

Metolachlor Refresh 2010

Papers that Were Accepted

Acceptable to Ecotox and to OPP

Bian, H., Chen, J., Cai, X., Liu, P., Wang, Y., Huang, L., Qiao, X., and Hao, C. (2009). Dechlorination of Chloroacetanilide Herbicides by Plant Growth Regulator Sodium Bisulfite. *Water Res.* 43: 3566-3574.

EcoReference No.: 118780

Chemical of Concern: NaBS,ACR,MTC; Habitat: A; Effect Codes: POP; Code: LITE EVAL CODED(MTC),OK(ACR),NO METHODS(NaBS).

Cook, M. E. and Moore, P. A. (2008). The Effects of the Herbicide Metolachlor on Agonistic Behavior in the Crayfish, *Orconectes rusticus*. *Arch.Environ.Contam.Toxicol.* 55: 94-102.

EcoReference No.: 109340

Chemical of Concern: MTL; Habitat: A; Effect Codes: BEH; Code: LITE EVAL CODED(MTL).

Debenest, T., Pinelli, E., Coste, M., Silvestre, J., Mazzella, N., Madigou, C., and Delmas, F. (2009). Sensitivity of Freshwater Periphytic Diatoms to Agricultural Herbicides. *Aquat.Toxicol.* 93: 11-17.

EcoReference No.: 118861

Chemical of Concern: MTC; Habitat: A; Effect Codes: POP; Code: LITE EVAL CODED(MTC).

Eleftherohorinos, I. G. and Dhima, K. V. (2002). Red Rice (*Oryza sativa*) Control in Rice (*O. sativa*) with Preemergence and Postemergence Herbicides. *Weed Technol.* 16: 537-540.

EcoReference No.: 95840

Chemical of Concern: GYP,GFS,PAQT,QZFE,MTL,DMM,ACR,ACO; Habitat: A; Effect Codes: POP,REP; Code: LITE EVAL CODED(ACR,PAQT,MTL),OK(QZFE,GYP,GFS).

Gardner, W. A. and Storey, G. K. (1985). Sensitivity of *Beauveria bassiana* to Selected Herbicides. *J.Econ.Entomol.* 78: 1275-1279.

EcoReference No.: 70790

Chemical of Concern:

SZ,PZM,ACF,ACR,BT,DFP,DU,FZF,GYP,MTL,MBZ,OYZ,OXF,PQT,PND,PPZ,SXD,TRB,TFN,24D;
Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED(DU,PQT,ACR,TFN,DM,BT,MTL),OK(SZ,PZM,GYP,OYZ,OXF,PPZ,SXD,24D).

Greenlee, A. R., Ellis, T. M., and Berg, R. L. (2004). Low-Dose Agrochemicals and Lawn-Care Pesticides Induce Developmental Toxicity in Murine Preimplantation Embryos. *Environ.Health Perspect.* 112: 703-709.

EcoReference No.: 82041

Chemical of Concern: PDM,CPY,DMB,PMR,MZB,24D,MCPP1,DDT,ATZ,MTL,TBO,CTN,NHN,DQT;
Habitat: T; Effect Codes: GRO,CEL; Code: LITE EVAL CODED(CTN,MZB,MTL,MCPP1,ATZ,CPY,24D,TBO,PDM,DQT,DMB,PMR,NHN,DDT).

Grisolia, C. K. and Ferrari, I. (1997). In Vitro and In Vivo Studies Demonstrate Non-Mutagenicity of the Herbicide Metolachlor. *Braz.J.Gen.* 20: 411-414.

EcoReference No.: 73422

Chemical of Concern: MTL; Habitat: T; Effect Codes: CEL; Code: LITE EVAL CODED(MTL).

Hayes, T. B., Case, P., Chui, S., Chung, D., Haeffele, C., Haston, K., Lee, M., Mai, V. P., Marjuoa, Y., Parker, J., and Tsui, M. (2006). Pesticide Mixtures, Endocrine Disruption, and Amphibian Declines: Are We Underestimating the Impact? *Environ.Health Perspect.* 114: 40-50.

EcoReference No.: 85815

Chemical of Concern: NSF,MTC,ATZ,ACR,CYF,PCZ,MLX; Habitat: A; Effect Codes:

MOR,GRO,CEL,BCM; Code : LITE EVAL CODED(ATZ,MTC,ACR,NSF,CYF,PCZ,MLX).

Jin-Clark, Y., Anderson, T. D., and Zhu, K. Y. (2008). Effect of Alachlor and Metolachlor on Toxicity of Chlorpyrifos and Major Detoxification Enzymes in the Aquatic Midge, *Chironomus tentans* (Diptera: Chironomidae). *Arch.Environ.Contam.Toxicol.* 54: 645-652.

EcoReference No.: 105238

Chemical of Concern: ACR,MTL,CPY; Habitat: A; Effect Codes: BCM,MOR; Code: LITE EVAL CODED(ACR,MTL,CPY).

Liu, H. and Xiong, M. (2009). Comparative Toxicity of Racemic Metolachlor and S-Metolachlor to *Chlorella pyrenoidosa*. *Aquat.Toxicol.* 93: 100-106.

EcoReference No.: 118860

Chemical of Concern: MTL,MTC; Habitat: A; Effect Codes: POP; Code: LITE EVAL

CODED(MTC,MTL).

Ma, J., Lin, F., Wang, S., and Xu, L. (2003). Toxicity of 21 Herbicides to the Green Alga *Scenedesmus quadricauda*. *Bull.Environ.Contam.Toxicol.* 71: 594-601.

EcoReference No.: 71458

Chemical of Concern:

GFS,CZE,AMTR,ACO,BTC,MTL,DU,BMN,GYP,PAQT,QNC,ATZ,SZ,FXP,MCPA,PMT,PQT; Habitat: A; Effect Codes: POP; Code: LITE EVAL CODED(GFSNH,GYP,ATZ,MTL,SZ,QNC,DU,PMT,PQT).

Ma, J., Xu, L., Wang, S., Zheng, R., Jin, S., Huang, S., and Huang, Y. (2002). Toxicity of 40 Herbicides to the Green Alga *Chlorella vulgaris*. *Ecotoxicol.Environ.Saf.* 51: 128-132.

EcoReference No.: 65938

Chemical of Concern:

DFP,QZF,HFP,FNP,FZF,CLT,NSF,TN,EMSF,BSFM,CRME,FTS,BP,ANL,TFN,PDM,BTC,MTL,MLT,ACO,ATZ,SZ,CZE,DU,PAQT,BMN,FXP,QNC,OXF,GYP,GFSNH,PMT,PQT; Habitat: A; Effect Codes: POP; Code: LITE EVAL CODED(GFSNH,OXF,GYP,FNP,ATZ,MLT,MTL,SZ,QNC,FTS,CLT,DU,PDM,PMT,PQT,TFN).

Osano, O., Admiraal, W., Klammer, H. J. C., Pastor, D., and Bleeker, E. A. J. (2002). Comparative Toxic and Genotoxic Effects of Chloroacetanilides, Formamidines and Their Degradation Products on *Vibrio fischeri* and *Chironomus riparius*. *Environ.Pollut.* 119: 195-202.

EcoReference No.: 65836

Chemical of Concern: ACR,MTL,AMZ,DEAL,DCA,AN,24DMA; Habitat: A; Effect Codes: MOR; Code: LITE EVAL CODED(ACR,AMZ,24DMA,DEAL,MTL,AN),NO SPECIES(DCA).

Pillai, C. G. P. and Davis, D. E. (1975). Mode of Action of CGA-18762, CGA-17020, and CGA-24705. *Proc.South.Weed Sci.Soc.* 28: 308-314.

EcoReference No.: 41594

Chemical of Concern: MTL,CZE; Habitat: A; Effect Codes: PHY; Code: LITE EVAL CODED(MTL).

Relyea, R. A. (2009). A Cocktail of Contaminants: how Mixtures of Pesticides at Low Concentrations Affect Aquatic Communities. *Oecologia* 159: 363-376.

EcoReference No.: 114296

Chemical of Concern: ACO,MTL,24D,ATZ,GYP,ES,DZ,CPY,CBL,MLN; Habitat: A; Effect Codes: MOR,POP,GRO; Code: LITE EVAL CODED(CBL,MLN,CPY,DZ,ES,GYP,ATZ,24D,MTL).

Russin, J. S., Carter, C. H., and Griffin, J. L. (1995). Effects of Grain Sorghum (*Sorghum bicolor*) Herbicides on Charcoal Rot Fungus. *Weed Technol.* 9: 343-351.

EcoReference No.: 73753

Chemical of Concern: ATZ,ACR,MTL; Habitat: T; Effect Codes: POP,GRO,REP; Code: LITE EVAL CODED(ACR,MTL),OK(ATZ).

Sbrilli, G., Bimbi, B., Cioni, F., Pagliai, L., Luchi, F., and Lanciotti, E. (2005). Surface and Ground Waters Characterization in Tuscany (Italy) by Using Algal Bioassay and Pesticide Determinations: Comparative Evaluation of the Results and Hazard Assessment of the Pesticides Impact on Primary Productivity. *Chemosphere* 58: 571-578.

EcoReference No.: 98204

Chemical of Concern: MTL,TFN,DIATZ,PZM,PPX,OXF,MLX,ATZ,SZ,TBZ,ODZ,PDM,FNT; Habitat: A; Effect Codes: POP,BCM; Code: LITE EVAL CODED(OXF,ATZ,MLX,PPX,FNT,PZM,TBZ,TFN,MTL),OK(DIATZ,SZ).

Singh, M. and Mersie, W. (1993). Metalaxyl Toxicity to Citrus with or Without Herbicides. *Weed Technol.* 7: 511-514.

EcoReference No.: 70317

Chemical of Concern: SZ,MLX,MTL,BMC; Habitat: T; Effect Codes: GRO; Code: LITE EVAL CODED(SZ,MLX,MTL,BMC).

St.Laurent, D., Blaise, C., MacQuarrie, P., Scroggins, R., and Trottier, B. (1992). Comparative Assessment of Herbicide Phytotoxicity to *Selenastrum capricornutum* Using Microplate and Flask Bioassay Procedures. *Environ.Toxicol.Water Qual.* 7: 35-48.

EcoReference No.: 45196

Chemical of Concern: CuS,HXZ,MTL,GYP,24DXY,BMN,ZnCl₂,CZE,DQTB_r,PL,PCL,IMB,Cr,MOL; Habitat: A; Effect Codes: GRO; Code: LITE EVAL CODED(GYP,24DXY,MTL,OW-Cu,HXZ,ZnCl₂,DQTB_r,MOL,CuS).

Vallotton, N., Moser, D., Eggen, R. I. L., Junghans, M., and Chevre, N. (2008). S-metolachlor Pulse Exposure on the Alga *Scenedesmus vacuolatus*: Effects During Exposure and the Subsequent Recovery. *Chemosphere* 73: 395-400.

EcoReference No.: 112203

Chemical of Concern: MTC; Habitat: A; Effect Codes: GRO,CEL,REP; Code: LITE EVAL CODED(MTC).

Wood, M. P. (1990). The Effects of Herbicides and Plant Growth Regulators on *Phymatotrichum omnivorum* (Shear) Duggar. *Ph.D Thesis, Texas A&M Univ.,College Station, Texas* 190 p. (UMI#9118332).

EcoReference No.: 115652

Chemical of Concern:

ASA,ACR,AMTL,ASM,ATZ,DKGNa,BT,BMN,CZE,24D,DMB,DU,EPH,FZFB,FMU,FOSNH,GYP,IZP,IMQ,LNR,MTL,MTZ,MBZ,MSMA,NFZ,PAQT,PDM,MQC,PMT,PCH,PPZ,SXD,TFR,TFN,VNT; Habitat: T; Effect Codes: POP,REP,GRO,PHY,BCM; Code: LITE EVAL

CODED(LNR,FOSNH,EPH,MTL),OK(ASA,ACR,ATZ,DKGNa,BT,24D,DMB,DU,GYP,IZP,FNZ,PAQT,PDM).

Wu, J. C., Xu, J. X., Liu, J. L., Yuan, S. Z., Cheng, J. A., and Heong, K. L. (2001). Effects of Herbicides on Rice Resistance and on Multiplication and Feeding of Brown Planthopper (BPH), *Nilaparvata lugens* (Stal) (Homoptera: Delphacidae). *Int.J.Pest Manag.* 47: 153-159.

EcoReference No.: 98462

Chemical of Concern: MTL,ODZ,QNC,BSFM,ACO,OXF,BTC; Habitat: T; Effect Codes: PHY,MOR,BEH,POP; Code: LITE EVAL CODED(OXF,QNC,MTL).

Wyss, G. S., Charudattan, R., Roskopf, E. N., and Littell, R. C. (2004). Effects of Selected Pesticides and Adjuvants on Germination and Vegetative Growth of *Phomopsis amaranthicola*, a Biocontrol Agent for *Amaranthus* spp. *Weed Res.* 44: 469-482 .

EcoReference No.: 96666

Chemical of Concern:

BT,PEB,DCF,EPTC,OXF,PAQT,CLT,TFN,NPM,PDM,AMTR,PRM,NPP,MBZ,IZT,IPD,VCZ,BMY,DM T,MLN,CYR,LNR,DU,BS,GYP,MTL,SXD,DCPA,IZP,SZ,ATZ,Maneb,MZB,CuOH,CTN,FSTL;

Habitat: T; Effect Codes: MOR,REP; Code: LITE EVAL

CODED(LNR,GYP,OXF,EPTC,CLT,DU,DCPA,ATZ,DMT,MLN,PAQT,PDM,DCF,TFN,BT,MTL),TARGET(FSTL,CTN,CuOH,MZB,Maneb,BMY,IPD,VCZ),OK(SXD,BS,CYR,AMTR,MBZ,NPM,NPP,PEB,PRM),NO ENDPOINT(SZ).

Youmans, C. D. (1985). Herbicidal Effects on the Soybean Cyst Nematode (*Heterodera glycines*) (Trifluralin, Aldicarb, Metolachlor). *Ph.D.Thesis, Univ.of Arkansas,Fayetteville,AR*: 130 p. (UMI#8618037).

EcoReference No.: 117327

Chemical of Concern: ACR,MTL,PDM,TFN,ADC,EDB; Habitat: T; Effect Codes: POP,GRO,REP; Code: LITE EVAL CODED(ADC,MTL),OK(ACR,PDM,TFN).

Metolachlor Refresh 2010

Papers that were not Accepted and that were Excluded

Acceptable to Ecotox but not to OPP

Americanos, P. G. (1984). Herbicides for Peas. *Cyprus Agric.Res.Inst.Tech.Bull.* 62: 1-7.

EcoReference No.: 116727

Chemical of Concern: BT,CZE,TBZ,PDM,PMT,MTL,DCPA,LNR; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED(LNR),TARGET(DCPA,PDM,BT),NO MIXTURE(MTL,PMT,TBZ).

Andrews, C. J., Skipsey, M., Townson, J. K., Morris, C., Jepson, I., and Edwards, R. (1997). Glutathione Transferase Activities Toward Herbicides Used Selectively in Soybean. *Pestic.Sci.* 51: 213-222.

EcoReference No.: 63423

Chemical of Concern: ACF,CRME,FSF,MTL; Habitat: T; Effect Codes: BCM,PHY; Code: NO ENDPOINT(FSF,MTL),TARGET(CRME).

Ayansina, A. D. V. and Oso, B. A. (2006). Effect of Two Commonly Used Herbicides on Soil Microflora at Two

Different Concentrations. *Afr.J.Biotechnol.* 5: 129-132.

EcoReference No.: 118857

Chemical of Concern: ATZ,MTL; Habitat: T; Effect Codes: POP; Code: OK(ATZ),NO MIXTURE(MTL).

Bailey, W. A., Wilson, H. P., and Hines, T. E. (2001). Influence of Cultivation and Herbicide Programs on Weed Control and Net Returns in Potato (*Solanum tuberosum*). *Weed Technol.* 15: 654-659.

EcoReference No.: 66788

Chemical of Concern: LNR,MTL,MBZ,RIM; Habitat: T; Effect Codes: PHY,POP; Code: NO MIXTURE(MBZ,MTL),TARGET(LNR).

Bowman, J. E. (1984). The Effect of Preplant Incorporated Herbicides and Cultural Practices on Soybean Seed Quality and Disease Development. *Ph.D.Thesis, University of Illinois at Urbana-Champaign, IL* 146 p. (UMI# 8502078) (Publ in Part As 73339,73952,109658,115141).

EcoReference No.: 115180

Chemical of Concern: NPM,MBZ,VNT,OYZ,BT,SXD,TFN,PDM,OXF,MTL,ACR; Habitat: T; Effect Codes: GRO,POP; Code: NO PUBL AS(MTL,PDM,OXF,ACR,TFN,DYZ,SXD,BT).

Castro-Escobar, A., Kells, J. J., and Penner, D. (1996). Evaluation of a Rapid Method to Detect Terbufos Residue Levels in Corn (*Zea mays*) Seedlings. *Weed Technol.* 10: 842-846.

EcoReference No.: 101249

Chemical of Concern: ATZ,MTL,NSF,PMS,TBO; Habitat: T; Effect Codes: GRO,ACC; Code: NO ENDPOINT(MTL,NSF,PMS,TBO),TARGET(ATZ).

Cummins, I., Cole, D. J., and Edwards, R. (1997). Purification of Multiple Glutathione Transferases Involved in Herbicide Detoxification from Wheat (*Triticum aestivum* L.) Treated with the Safener Fenchlorazole-Ethyl. *Pestic.Biochem.Physiol.* 59: 35-49.

EcoReference No.: 65260

Chemical of Concern: 24D,CuS,ETHN,MTL,PQT,SCA; Habitat: T; Effect Codes: BCM; Code: NO ENDPOINT(24D,CuS,ETHN,MTL,PQT,SCA).

DeRidder, B. P., Dixon, D. P., Beussman, D. J., Edwards, R., and Goldsbrough, P. B. (2002). Induction of Glutathione S-Transferases in Arabidopsis by Herbicide Safeners. *Plant Physiol.* 130: 1497-1505.

EcoReference No.: 107204

Chemical of Concern: MTL,ACR; Habitat: T; Effect Codes: BCM,CEL; Code: NO ENDPOINT(MTL,ACR).

Esbenshade, W. R., Curran, W. S., Roth, G. W., Hartwig, N. L., and Orzolek, M. D. (2001). Effect of Tillage, Row Spacing, and Herbicide on the Emergence and Control of Burcucumber (*Sicyos angulatus*) in Soybean (*Glycine max*). *Weed Technol.* 15: 229-235.

EcoReference No.: 67052

Chemical of Concern: CRM,GYP,MTL,PDM; Habitat: T; Effect Codes: POP; Code: NO TOX DATA(MTL,PDM),TARGET(GYP,CRM).

Foster, D. E. and Wintersteen, W. K. (1986). Stalk Borer Control; 1985. *Insectic.Acaric.Tests* 11: 230-231 (301).

EcoReference No.: 88664

Chemical of Concern: FNV,MTL,FNF,BFT,PMR,PAQT,LCYT,ATZ,CYF,CPY,CBL; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED(PMR,CBL),TARGET(BFT,CYF),NO

MIXTURE(PAQT,MTL,ATZ,FNV,CPY).

Frans, R. E., McClelland, M., and Terhune, E. (1980). Herbicide Field Trials on Field Crops, 1979. *Mimeogr.Ser.280, Ark.Agric.Exp.Stn., Univ.of Arkansas, Fayetteville, AR* 66 p.

EcoReference No.: 96750

Chemical of Concern:

ACR,ACO,MFD,NPM,BMN,PQT,PMT,DU,CZE,TFN,PDM,NFZ,OYZ,FMU,MTL,BT,ACF,MTZ,GYP,LNR,VNT,BBZ,OXF,BTY,24D,DMB,PPZ,ATZ,PCH; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(ACR,ACO,MFD,NPM,BMN,PQT,PMT,DU,CZE,TFN,PDM,NFZ,OYZ,FMU,MTL,BT,ACF,MTZ,GYP,LNR,VNT,BBZ,OXF,BTY,24D,DMB,PPZ,ATZ,PCH).

Glavic, Z., Begic, L., Bagaric, I., Sabalic, S., Simunovic, M., and Gotovac, M. (2007). Effect of Pesticides on Wound Contraction. *Coll.Antropol.* 31: 203-208.

EcoReference No.: 119010

Chemical of Concern: MTL,ATZ; Habitat: T; Effect Codes: PHY,CEL; Code: NO MIXTURE(MTL,ATZ).

Hirose, S., Kawahigashi, H., Tagiri, A., and Ohkawa, Y. (2008). Herbicide-Induced Anthocyanin Accumulation in Transgenic Rice by Expression of Rice OSB2 Under the Control of Rice CYP72A21 Promoter. *J.Agric.Food Chem.* 56: 1259-1263.

EcoReference No.: 107267

Chemical of Concern: MCPA,ACO,MTL,TFN,24D,ACR; Habitat: A; Effect Codes: CEL; Code: NO ENDPOINT(MTL,TFN,24D,ACR).

Hooker, D. C. and Vyn, T. J. (1993). Weed Control Strategies with Soybeans and White Beans in Conservation Tillage Systems. *M.S.Thesis, Univ.of Guelph, Canada* 126 p. (UMI#MM84742).

EcoReference No.: 116812

Chemical of Concern: MTL,LNR; Habitat: T; Effect Codes: POP; Code: NO MIXTURE(MTL,LNR).

Hsu, J. K. H. (1979). Weed Interference and Control for Soybean Production on Alluvial Portageville Clay. *Ph.D.Thesis, Univ.of Missouri, Columbia, MO* 78 p. (UMI#8024361).

EcoReference No.: 116866

Chemical of Concern: GYP,PQT,MSMA,OYZ,MBZ,MTL,LNR; Habitat: T; Effect Codes: GRO,POP; Code: CROP(GYP,PQT),NO MIXTURE(OYZ,MBZ,MTL,LNR).

Inui, H., Shiota, N., Ido, Y., Inoue, T., Hirose, S., Kawahigashi, H., Ohkawa, Y., and Ohkawa, H. (2001). Herbicide Metabolism and Tolerance in the Transgenic Rice Plants Expressing Human CYP2C9 and CYP2C19. *Pestic.Biochem.Physiol.* 71: 156-169.

EcoReference No.: 109555

Chemical of Concern: ACO,CSF,IMS,NFZ,MTL; Habitat: A; Effect Codes: PHY,ACC; Code: NO ENDPOINT(MTL,NFZ,IMS).

Johnson, M. D., Wyse, D. L., and Lueschen, W. E. (1989). The Influence of Herbicide Formulation on Weed Control in Four Tillage Systems. *Weed Sci.* 37: 239-249.

EcoReference No.: 70333

Chemical of Concern: ACR,CZE,GYP,MTL; Habitat: T; Effect Codes: POP; Code: NO ENDPOINT(ACR,GYP,MTL).

Johnson, W. G., Kendig, J. A., Massey, R. E., DeFelice, M. S., and Becker, C. D. (1997). Weed Control and

Economic Returns with Postemergence Herbicides in Narrow-Row Soybeans (*Glycine max*). *Weed Technol.* 11: 453-459.

EcoReference No.: 64678

Chemical of Concern: ACFNa,BT,CRM,CLT,GYP,IZT,MTL; Habitat: T; Effect Codes: PHY,GRO; Code: NO MIXTURE(BT,CLT,MTL,CRM),TARGET(GYP).

Kawahigashi, H., Hirose, S., Inui, H., Ohkawa, H., and Ohkawa, Y. (2005). Enhanced Herbicide Cross-Tolerance in Transgenic Rice Plants Co-Expressing Human CYP1A1, CYP2B6, and CYP2C19. *Plant Sci.* 168: 773-781.

EcoReference No.: 115263

Chemical of Concern: ACO,QZFE,NFZ,MTL; Habitat: A; Effect Codes: GRO,CEL,REP; Code: NO ENDPOINT(QZFE,NFZ,MTL).

Kawahigashi, H., Hirose, S., Ohkawa, H., and Ohkawa, Y. (2006). Broad Range of Herbicide Tolerance of Glutinous Upland Rice Variety 'Yumenohatamochi' Carrying Human Cytochrome P450 Genes. *Plant Biotechnol.* 23: 227-231.

EcoReference No.: 109941

Chemical of Concern: DU,NFZ,PDM,TFN,ACR,MTL; Habitat: AT; Effect Codes: CEL,POP; Code: NO ENDPOINT(DU,NFZ,PDM,TFN,ACR,MTL).

Kawahigashi, H., Hirose, S., Ohkawa, H., and Ohkawa, Y. (2005). Evaluation of Herbicide Metabolism in Transgenic Rice Plants Expressing CYP1A1 and CYP2B6. *ACS Symp.Ser.* 892: 18-27.

EcoReference No.: 101418

Chemical of Concern: TFN,PDM,ACO,QZFE,CPP,DU,NFZ,ACR,MTL; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT(MTL),NO DURATION(TFN,PDM,ACO,QZFE,CPP,DU,NFZ,ACR).

Kawahigashi, H., Hirose, S., Ohkawa, H., and Ohkawa, Y. (2008). Transgenic Rice Plants Expressing Human P450 Genes Involved in Xenobiotic Metabolism for Phytoremediation. *J.Mol.Microbiol.Biotechnol.* 15: 212-219.

EcoReference No.: 118859

Chemical of Concern: QZFE,ACR,ACO,MTL,SZ,ATZ,DU,NFZ,TFN; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT(QZFE,ACR,ACO,MTL,SZ,ATZ,DU,NFZ,TFN).

Kawahigashi, H., Hirose, S., Ozawa, K., Ido, Y., Kojima, M., Ohkawa, H., and Ohkawa, Y. (2005). Analysis of Substrate Specificity of Pig CYP2B22 and CYP2C49 Towards Herbicides by Transgenic Rice Plants. *Transgenic Res.* 14: 907-917.

EcoReference No.: 100194

Chemical of Concern: NFZ,MTL,DU,PDM,TFN,ACO,ACR; Habitat: T; Effect Codes: GRO; Code: NO COC(PMR,IXB),NO ENDPOINT,NO CONTROL(NFZ,MTL,DU,ACR,PDM,TFN).

Kraus, M. P. (1991). Cyanophage/Host Assay for Toxicity Assessment in Water, Wastewater, Sludges, and Composts. In: J.W.Gorsuch, W.R.Lower, W.Wang, and M.A.Lewis (Eds.), *Plants for Toxicity Assessment, Second Volume, ASTM STP 1115, Philadelphia, PA* 383-391.

EcoReference No.: 19244

Chemical of Concern: NO3,MTL,ATZ; Habitat: A; Effect Codes: POP,SYS; Code: NO ENDPOINT(MTL,ATZ).

Krutz, L. J., Koger III, C. H., Locke, M. A., and Steinriede, R. W. Jr. (2007). Reduced Surface Runoff Losses of Metolachlor in Narrow-Row Compared to Wide-Row Soybean. *J.Environ.Qual.* 36: 1331-1337.

EcoReference No.: 111552

Chemical of Concern: MTC; Habitat: T; Effect Codes: ACC; Code: NO CONTROL,NO ENDPOINT(MTC).

Kusanagi, T. (1985). Herbicides: Upland Crops. *Jpn.Pestic.Inf.* 47: 27-28.

EcoReference No.: 117867

Chemical of Concern: BT,TRB,DU,QZFE,LNR,FSF,ACR,MTL,ODZ,PMT; Habitat: T; Effect Codes: NOC; Code: NO ENDPOINT,NO CONTROL(BT,QZFE,FSF,ACR,MTL),NO MIXTURE(TRB,DU,LNR,PMT).

Liphadzi, K. B., Al-Khatib, K., Bensch, C. N., Stahlman, P. W., Dille, J. A., Todd, T., Rice, C. W., Horak, M. J., and Head, G. (2005). Soil Microbial and Nematode Communities as Affected by Glyphosate and Tillage Practices in a Glyphosate-Resistant Cropping System. *Weed Sci.* 53: 536-545.

EcoReference No.: 96934

Chemical of Concern: SFZ,MTC,ACO,ATZ,GYP; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED(GYP,SFZ),NO MIXTURE(ATZ,MTC).

Morton, C. A., Harvey, R. G., Wedberg, J. L., Kells, J. J., Landis, D. A., and Lueschen, W. E. (1994). Influence of Corn Rootworm Insecticides on the Response of Field Corn (*Zea mays*) to Nicosulfuron. *Weed Technol.* 8: 289-295.

EcoReference No.: 62641

Chemical of Concern: MTL,CPY,FNF,PRT,NSF,TBO,TFT,CBF; Habitat: T; Effect Codes: PHY,POP; Code: LITE EVAL CODED(CPY,CBF,PRT,TBO),OK(TFT,NSF,FNF),NO MIXTURE(MTL).

Norsworthy, J. K. (2004). Soil-Applied Herbicide Use in Wide- and Narrow-Row Glyphosate-Resistant Soybean (*Glycine max*). *Crop Prot.* 23: 1237-1244.

EcoReference No.: 115268

Chemical of Concern: FMX,CRM,MBZ,GYP,MTC,FTS,SFZ; Habitat: T; Effect Codes: PHY,GRO; Code: NO MIXTURE(MTC,FTS,SFZ),TARGET(GYP).

Pankey, J. H., Griffin, J. L., Colyer, P. D., Schneider, R. W., and Miller, D. K. (2005). Preemergence Herbicide and Glyphosate Effects on Seedling Diseases in Glyphosate-Resistant Cotton. *Weed Technol.* 19: 312-318.

EcoReference No.: 105487

Chemical of Concern: PDM,FMU,MTL,GYP; Habitat: T; Effect Codes: PHY; Code: NO MIXTURE(PDM,MTL),OK(GYP).

Parker, C. and Dean, M. L. (1976). Control of Wild Rice in Rice. *Pestic.Sci.* 7: 403-416.

EcoReference No.: 98533

Chemical of Concern:

EPTC,LNR,MTZ,MBZ,OYZ,PPN,ACR,BTC,MTL,EFS,MLT,ODZ,PZM,PPN,DFQ; Habitat: T; Effect Codes: GRO; Code: NO ENDPOINT(EPTC,LNR,MTZ,MBZ,OYZ,PPN,ACR,BTC,MTL,EFS,MLT,ODZ,PZM,PPN,DFQ),NO COC(OXF).

Phipps, P. M. (1990). Control of *Cylindrocladium* Black Rot of Peanut with Soil Fumigants Having Methyl Isothiocyanate as the Active Ingredient. *Plant Dis.* 74: 438-441 .

EcoReference No.: 91339

Chemical of Concern: DDMITC,MTAS,BMY,CTN,BORON,CaSO4,MTL,ACR,NPA,BT,ADC,CBL,FNF;

Habitat: T; Effect Codes: GRO,MOR; Code: TARGET(MTAS,DDMITC),NO TOX DATA(BMY,CTN,BORON,CaSO4,MTL,ACR,NPA,BT,ADC,CBL,FNF).

Reichel, H., Sisler, H. D., and Kaufman, D. D. (1991). Inducers, Substrates, and Inhibitors of a Propanil-Degrading Amidase of *Fusarium oxysporum*. *Pestic.Biochem.Physiol.* 39: 240-250.

EcoReference No.: 104856

Chemical of Concern:

THM,PPN,PCN,PEB,ACR,BDC,CBD,CBF,CBX,CPP,CMX,EPTC,IPD,LNR,MLX,MTL; Habitat: T;

Effect Codes: BCM; Code: NO

ENDPOINT(THM,PPN,PEB,ACR,CBD,CBF,CBX,EPTC,IPD,LNR,MLX,MTL).

Robert, S., Mansour, M. P., and Blackburn, S. I. (2007). Metolachlor-Mediated Selection of a Microalgal Strain Producing Novel Polyunsaturated Fatty Acids. *Mar.Biotechnol.* 9: 146-153.

EcoReference No.: 118798

Chemical of Concern: MTL; Habitat: A; Effect Codes: POP; Code: NO ENDPOINT(MTL).

Saayman-Du Toit, A. E. J. (2002). Phytotoxicity Resulting from a Combination of a Pre-emergence Herbicide and a Pesticide Seed Dressing in Maize (*Zea mays* L.). *S.Afr.J.Plant Soil (S.Afr.Tydskr.Plant Grond)* 19: 156-158.

EcoReference No.: 68409

Chemical of Concern: FTS,IMC,MTL; Habitat: T; Effect Codes: GRO,REP; Code: OK(IMC),NO MIXTURE(FTS,MTL).

Santos, B. M., Gilreath, J. P., Motis, T. N., Noling, J. W., Jones, J. P., and Norton, J. A. (2006). Comparing Methyl Bromide Alternatives for Soilborne Disease, Nematode and Weed Management in Fresh Market Tomato. *Crop Prot.* 25: 690-695.

EcoReference No.: 88744

Chemical of Concern: MTAS,NaN3,PRO,MB,CLP,MTL,PEB,NPP,HSF; Habitat: T; Effect Codes: GRO,POP; Code: NO ENDPOINT(NaN3,PRO),NO COC(CLPM),NO MIXTURE(MB,CLP,MTL,PEB,MTAS,NPP,HSF).

Sauls, B. T. (1999). Pesticide Risk Mitigation of Avian Wildlife in Iowa Agroecosystems. *Ph.D.Thesis, Texas Tech Univ., Lubbock, TX* 104 p.

EcoReference No.: 93607

Chemical of Concern: LCYT,TFN,LCF,GYP,IZT,24D,QZF,CRM,TBO,MTL,CZE,PDM ; Habitat: T;

Effect Codes: MOR,REP,POP; Code: NO

MIXTURE(GYP,24D,LCF,MTL,TBO,LCYT,PDM,CZE,TFN,IZT,QZF,CRM),NO COC(ATZ).

Schuh, J. F. and Harvey, R. G. (1990). Woolly Cupgrass (*Eriochloa villosa* (Thunb.) Kunth) Control in Corn (*Zea mays* L.) and Soybean (*Glycine max* (L.) Merr.) and the Influence of Moisture on Imazethapyr Diffusion. *Ph.D.Thesis, The Univ.of Wisconsin, Madison, WI* 334 p. (UMI#9100162).

EcoReference No.: 116575

Chemical of Concern:

CLT,HFP,FZF,QZF,NSF,MBZ,ACR,CMZ,TFN,AMTR,SXD,PAQT,GYP,PDM,MTL,BTY,CZE,CYC,EP TC,LNR; Habitat: T; Effect Codes: GRO,POP,PHY,MOR; Code: NO

MIXTURE(ACR,CMZ,TFN,PDM,MTL,BTY,EPTC),TARGET(CLT,MBZ,SXD,PAQT,GYP,LNR).

Sikkema, S. R., Soltani, N., Sikkema, P. H., and Robinson, D. E. (2008). Response of Sweet Maize (*Zea mays* L.) Hybrids to Halosulfuron. *Crop Prot.* 27: 695-699.

EcoReference No.: 114181

Chemical of Concern: BMN, MTC, ATZ, HSF; Habitat: T; Effect Codes: GRO, PHY; Code: MIXTURE(ATZ, MTC).

Svobodova, Z. and Vykusova, B. (1988). Comparing the Sensitivity of Rainbow Trout and Rasbora heteromorph to Various Toxic Substances (Porovnani Citlivosti Pstruha Duhoveho a Razbory Klinoskvrne k Ruznym Cizorodum Latkam). *Bul.VURH Vodnany* 24: 14-19 (CZE) (ENG ABS).

EcoReference No.: 315

Chemical of Concern: ATZ, MTL, TFN; Habitat: A; Effect Codes: MOR; Code: NO CONTROL(ATZ, TFN, MTL).

Sweat, J. K., Horak, M. J., Peterson, D. E., Lloyd, R. W., and Boyer, J. E. (1998). Herbicide Efficacy on Four Amaranthus Species in Soybean (Glycine max). *Weed Technol.* 12: 315-321.

EcoReference No.: 108601

Chemical of Concern:

ACO, ACR, MTC, MBZ, PDM, TFN, IMQ, SFZ, LNR, IZX, IZT, THF, ACF, FSF, LCF, PDM, TFN, FMC;

Habitat: T; Effect Codes: POP; Code: NO

CONTROL(ACO, ACR, MTC, MBZ, PDM, TFN, IMQ, SFZ, LNR, IZX, IZT, THF, ACF, FSF, LCF, PDM, TFN, FMC).

Takeuchi, S., Matsuda, T., Kobayashi, S., Takahashi, T., and Kojima, H. (2006). In Vitro Screening of 200 Pesticides for Agonistic Activity via Mouse Peroxisome Proliferator-Activated Receptor (PPAR)alpha and PPARGamma and Quantitative Analysis of In Vivo Induction Pathway. *Toxicol.Appl.Pharmacol.* 217: 235-244.

EcoReference No.: 89206

Chemical of Concern:

AND, HCCH, Captan, CHD, CTN, DDT, DBN, DCF, DLD, ES, EN, Folpet, HPT, MXC, PCP, ACF, ACFM, DFPM, FZFB, OXF, ACP, ANL, CPY, CPYM, DZ, DDVP, DMT, DS, ETN, FMP, FNT, FNTH, GYP, IFP, MLN, MTM, MDT, MP, PRN, PRT, PHSL, PSM, PIRM, PFF, TBO, TVP, TCM, TCF, CYF, CYH, CYP, DM, EFX, FNV, FYT, FVL, PMR, PYN, TFT, TLM, BDC, BMY, CBL, CBD, CBF, CPP, MCB, MOM, MLT, OML, PHMD, PIM, TBC, THM, ACR, ASM, FTL, MLX, MTL, PZM, ANZ, ATZ, MBZ, PRO, PMT, SZ, BSF, DFZ, DU, LNR, PPN, AMZ, BPH, BTN, DZM, EXQ, FRM, ILL, IMC, IPD, MCPA, 24DXY, PAQT, PDM, PCZ, SXD, TBAH, TPM, TDF, TFZ, TFN, TFR, TVMP, VCZ, FTL, FNZ; Habitat: T; Effect Codes: BCM, CEL; Code: OK(ILL, PYN, DFPM), NO IN VITRO(AND, HCCH, Captan, CHD, CTN, DDT, DBN, DCF, DLD, ES, EN, Folpet, HPT, MXC, PCP, ACF, ACFM, FZFB, OXF, ACP, ANL, CPY, CPYM, DZ, DDVP, DMT, DS, ETN, FMP, FNT, FNTH, GYP, IFP, MLN, MTM, MDT, MP, PRN, PRT, PHSL, PSM, PIRM, PFF, TBO, TVP, TCM, TCF, CYF, CYH, CYP, DM, EFX, FNV, FYT, FVL, PMR, TFT, TLM, BDC, BMY, CBL, CBD, CBF, CPP, MCB, MOM, MLT, OML, PHMD, PIM, TBC, THM, ACR, ASM, FTL, MLX, MTL, PZM, ANZ, ATZ, MBZ, PRO, PMT, SZ, BSF, DFZ, DU, LNR, PPN, AMZ, BPH, BTN, DZM, EXQ, FRM, IMC, IPD, MCPA, 24DXY, PAQT, PDM, PCZ, SXD, TBAH, TPM, TDF, TFZ, TFN, TFR, TVMP, VCZ, FTL, FNZ).

Thom, R., Cummins, I., Dixon, D. P., Edwards, R., Cole, D. J., and Lapthorn, A. J. (2002). Structure of a Tau Class Glutathione S-Transferase from Wheat Active in Herbicide Detoxification. *Biochemistry* 41 : 7008-7020.

EcoReference No.: 115677

Chemical of Concern: MTL, FNP; Habitat: T; Effect Codes: CEL; Code: NO IN VITRO(FNP, MTL).

Vykusova, B. and Svobodova, Z. (1987). Comparison of the Sensitivity of Male and Female Guppies (Poecilia reticulata Peters) to Toxic Substances (Porovnani Citlivosti Samcu a Samic Zivorodky Duhove (Poecilia reticulata Peters) k Cizorodum Latkam). *Bul.VURH Vodnany* 23: 20-23 (CZE) (ENG ABS).

EcoReference No.: 312

Chemical of Concern: ATZ, MTL, Cd; Habitat: A; Effect Codes: MOR; Code: NO FOREIGN(Cd), NO

CONTROL(ATZ,MTL).

Vyn, J. D., Swanton, C. J., Weaver, S. E., and Sikkema, P. H. (2006). Control of *Amaranthus tuberculatus* var. *rudis* (Common Waterhemp) with Pre and Post-emergence Herbicides in *Zea mays* L. (Maize). *Crop Prot.* 25: 1051-1056.

EcoReference No.: 113865

Chemical of Concern: MTC,DMB,PDM,ATZ; Habitat: T; Effect Codes: POP,GRO; Code: CROP(ATZ,PDM),TARGET(DMB),MIXTURE(MTC).

Way, M. O., Whitney, N. G., and Wallace, R. G. (1995). Evaluation of Dimilin and Benlate for Soybean Insect Pest and Disease Control, 1991. *Arthropod Manag.Tests* 20: 250-252 (127F).

EcoReference No.: 103960

Chemical of Concern: DFZ,BMY,GYP,MTL; Habitat: T; Effect Codes: POP; Code: NO MIXTURE(BMY,GYP,MTL),EFFICACY(DFZ).

Zendzian, R. P. (2003). Pesticide Residue on/in the Washed Skin and Its Potential Contribution to Dermal Toxicity. *J.Appl.Toxicol.* 23: 121-136.

EcoReference No.: 94210

Chemical of Concern:

VCZ,MTL,CYR,TVP,MLT,MCPA,MTAS,Maneb,EFX,ATZ,AZ,CCA,DDP,DS,EPTC,EFX; Habitat: T; Effect Codes: ACC; Code: NO ENDPOINT,NO CONTROL(VCZ,MTL,CYR,TVP,MLT,MCPA,MTAS,Maneb,EFX,ATZ,AZ,CCA,DDP,DS,EPTC,EFX).

Zhan, X. M., Liu, H. J., Miao, Y. G., and Liu, W. P. (2006). A Comparative Study of rac- and S-Metolachlor on Some Activities and Metabolism of Silkworm, *Bombyx mori* L. *Pestic.Biochem.Physiol.* 85: 133-138.

EcoReference No.: 97927

Chemical of Concern: MTL; Habitat: T; Effect Codes: BCM,GRO; Code: NO ENDPOINT(MTL).

Excluded

Analysis of Occurrence Data From the Unregulated Contaminant Monitoring Program (Ucm) and National Inorganics and Radionuclides Survey (Nirs) in Support Regulatory Determinations for the Second Drinking Water Contaminant Candidate List (Ccl 2), June 2008. *Govt Reports Announcements & Index (GRA&I)*, Issue 22, 2008.

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Determination of Polychlorinated Biphenyls, Selected Persistent Organochlorine Pesticides, and Polybrominated Flame Retardants in Fillets of Fishes From the 2007 Missouri Department of Conservation Monitoring Program. *Govt Reports Announcements & Index (GRA&I)*, Issue 22, 2009.

Chem Codes: Chemical of Concern: MTL Code: SURVEY.

Abe, Y., Aravena, R., Zopfi, J., Shouakar-Stash, O., Cox, E., Roberts, J. D., and Hunkeler, D. (Carbon and Chlorine Isotope Fractionation During Aerobic Oxidation and Reductive Dechlorination of Vinyl Chloride and Cis-1,2-Dichloroethene. *Environ Sci Technol.* 2009, Jan 1; 43(1):101-7. [*Environmental science & technology*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Aboul Eish, M. Y. and Wells, M. J. (Monitoring Stereoselective Degradation of Metolachlor in a Constructed Wetland: Use of Statistically Valid Enantiomeric and Diastereomeric Fractions as Opposed to Ratios. *J Chromatogr Sci.* 2008, Mar; 46(3):269-75. [*Journal of chromatographic science*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS/FATE.

- Accinelli Cesare, Caracciolo Anna Barra, and Grenni Paola (2007). Degradation of the Antiviral Drug Oseltamivir Carboxylate in Surface Water Samples. *International Journal of Environmental and Analytical Chemistry [Int. J. Environ. Anal. Chem.]*. Vol. 87, no. 8, pp. 579-587. Jul 2007.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Adamov, M., Panovska, M., and Zeskov, B. (1981). Residual Beta Activity in Beet. Concentrated Animal Feeds and Silage From Some Farms in Sr Macedonia (Rezidualna Beta Aktivnost U Mesu Goveda, Koncentrovanj Stocnoj Hrani I Silazi Na Farmama Sr Makedonije). *Vet.Glas.* 35: 99-101 (SCR) (ENG ABS).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Afon, Y. and Ervin, D. (An Assessment of Air Emissions From Liquefied Natural Gas Ships Using Different Power Systems and Different Fuels. *J Air Waste Manag Assoc.* 2008, Mar; 58(3):404-11. [*Journal of the Air & Waste Management Association (1995)*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Aguayo, S., Roset, J., De la Torre, A. I., Cuellar, M. L., and Munoz, M. J. (2000). Miniaturized Ecotoxicity Assay With *Chlorella Vulgaris* Using Different Endpoints (Ensayo De Ecotoxicidad Miniaturizado En *Chlorella Vulgaris* Utilizando Diferentes Parametros De Expresion). *Rev.Toxicol.* 17: 41-45 (SPA) (ENG ABS).
Chem Codes: Chemical of Concern: CdCl,AMTL,GYP,CuS,PDT Code: NON-ENGLISH.
- Ahlborg, U. G., Hakansson, H., Lindstrom, G., and Rappe, C. (1990). Studies on the Retention of Individual Polychlorinated Dibenzofurans (Pcdfs) in the Liver of Different Species. *Chemosphere* 20: 1235-1240.
Chem Codes: Chemical of Concern: FRN Code: MIXTURE/ECOCHEM VERIFICATION SOURCE.
- Aldrich, A. and Daniel, O. (2003). Literature Based Ecotoxicological Risk Assessment (Literaturbasierte Okotoxikologische Risikoabschätzung). *Final Rep.of Module 5a of the Proj.Org.Pollut.in Compost and Digestate in Switzerland, EPFL - Swiss Fed.Res.Stn.of Agroecol.and Agric., FAL* 68 p.
Chem Codes: Chemical of Concern: ATZ,Captan,CPY,Folpet,IPD,MTL,PAH,PCB,PHTH,TBA,VCZ
Code: REFS CHECKED/REVIEW.
- Alvarez, D. A., Cranor, W. L., Perkins, S. D., Schroeder, V. L., Iwanowicz, L. R., Clark, R. C., Guy, C. P., Pinkney, A. E., Blazer, V. S., and Mullican, J. E. (Reproductive Health of Bass in the Potomac, U.s.a., Drainage: Part 2. Seasonal Occurrence of Persistent and Emerging Organic Contaminants. *Environ Toxicol Chem.* 2009, May; 28(5):1084-95. [*Environmental toxicology and chemistry / SETAC*].
Chem Codes: Chemical of Concern: MTL Code: YEAST.
- Alvarez David A, Cranor Walter L, Perkins Stephanie D, Clark Randal C, and Smith Steven B (2008). Chemical and Toxicologic Assessment of Organic Contaminants in Surface Water Using Passive Samplers. *Journal of Environmental Quality [J. Environ. Qual.]*. Vol. 37, no. 3, pp. 1024-1033. 2008. 37: 1024-1033.
Chem Codes: Chemical of Concern: MTL Code: YEAST.
- Anderson, J. L. and Thomson, W. W. (1973). The Effects of Herbicides on the Ultrastructure of Plant Cells. *Residue Rev.* 47: 167-189.
Chem Codes: Chemical of Concern: SZ,PYZ,PCL,EPTC,DU,DCPA,24D,IAA,PAQT,AMTL,ATZ,BMC,CPP Code: REVIEW.
- Angelo, R. T., Cringan, M. S., Chamberlain, D. L., Stahl, A. J., Haslouer, S. G., and Goodrich, C. A. (2007). Residual Effects of Lead and Zinc Mining on Freshwater Mussels in the Spring River Basin (Kansas, Missouri, and Oklahoma, Usa). *Sci.Total Environ.* 384: 467-496.
Chem Codes: Chemical of Concern: Zn,Pb,Cd Code: NO DURATION/SURVEY.
- Anguiano, G. D. and Foreman, M. (Cost and Performance Report Low Impact Technologies to Reduce Pollution From Storm Water Runoff Si-200405. *Govt Reports Announcements & Index (GRA&I), Issue 02, 2010.*
Chem Codes : Chemical of Concern: MTL Code: CHEM METHODS.

- Anguiano, G. D. and Foreman, M. (Low Impact Technologies to Reduce Pollution From Storm Water Runoff Si-200405. *Govt Reports Announcements & Index (GRA&I)*, Issue 15, 2009.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Anisfeld, S. C., Barnes, R. T., Altabet, M. A., and Wu, T. (Isotopic Apportionment of Atmospheric and Sewage Nitrogen Sources in Two Connecticut Rivers. *Environ Sci Technol.* 2007, Sep 15; 41(18):6363-9. [Environmental science & technology].
Chem Codes: Chemical of Concern: MTL Code : FATE.
- Annola, K., Karttunen, V., Keski-Rahkonen, P., Myllynen, P., SegerbÄ, Ck, D., Heinonen, S., VÄ, HÄ, and Kangas, K. (Transplacental Transfer of Acrylamide and Glycidamide Are Comparable to That of Antipyrine in Perfused Human Placenta. *Toxicol Lett.* 2008, Nov 10; 182(1-3):50-6. [Toxicology letters].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Ao, L., Liu, J. Y., Gao, L. H., Liu, S. X., Yang, M. S., Huang, M. H., and Cao, J. (Differential Expression of Genes Associated With Cell Proliferation and Apoptosis Induced by Okadaic Acid During the Transformation Process of Balb/C 3t3 Cells. *Toxicol In Vitro.* 2008, Feb; 22(1):116-27. [Toxicology in vitro : an international journal published in association with BIBRA].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Arcury, T. A., Grzywacz, J. G., Barr, D. B., Tapia, J., Chen, H., and Quandt, S. A. (Pesticide Urinary Metabolite Levels of Children in Eastern North Carolina Farmworker Households. *Environ Health Perspect.* 2007, Aug; 115(8):1254-60. [Environmental health perspectives].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Arnold, S. J. (1985). Eastern Black Nightshade: An Increasing Concern for Soybean and Forage Producers. *Crops Soils Mag.* 37: 29-31.
Chem Codes: Chemical of Concern: EPTC,MTL,MBZ,OYZ,TFN,24D,SZ,ACR,ATZ,LNR Code: NO TOX DATA.
- Arnold, S. J. (1985). Eastern Black Nightshade: an Increasing Concern for Soybean and Forage Producers. *Crops Soils Mag.* 37: 29-31.
Chem Codes: Chemical of Concern: EPTC,MTL,MBZ,OYZ,TFN,24D,SZ,ACR,ATZ,LNR Code: NO TOX DATA.
- Arp, H. P., Schwarzenbach, R. P., and Goss, K. U. (Ambient Gas/Particle Partitioning. 1. Sorption Mechanisms of Apolar, Polar, and Ionizable Organic Compounds. *Environ Sci Technol.* 2008, Aug 1; 42(15):5541-7. [Environmental science & technology].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Arriagada, C., Sampedro, I., Garcia-Romera, I., and Ocampo, J. (Improvement of Growth of Eucalyptus Globulus and Soil Biological Parameters by Amendment With Sewage Sludge and Inoculation With Arbuscular Mycorrhizal and Saprobe Fungi. *Sci Total Environ.* 2009, Aug 15; 407(17):4799-806. [The Science of the total environment].
Chem Codes: Chemical of Concern: MTL Code : EFFLUENT.
- Auby, I., Bocquene, G., Quiniou, F., and Dreno, J. P. (2007). Arcachon Basin 's Weedkillers and Insecticides Contamination Analysis (2005-2006 Period) Environmental Impact.
Chem Codes: Chemical of Concern: MTL Code : SURVEY.
- Augustine, L. and Muller-Parker, G. (1998). Selective Predation by the Mosshead Sculpin Clinocottus Globiceps on the Sea Anemone Anthopleura Elegantissima and Its Two Algal Symbionts. *Limnol.Oceanogr.* 43: 711-715.
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.

- Aulagnier, F., Poissant, L., Brunet, D., Beauvais, C., Pilote, M., Deblois, C., and Dassylva, N. (Pesticides Measured in Air and Precipitation in the Yamaska Basin (QuÉbec): Occurrence and Concentrations in 2004. *Sci Total Environ.* 2008, May 15; 394(2-3):338-48. [*The Science of the total environment*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Aulagnier, Fabien, Poissant, Laurier, Brunet, Didier, Beauvais, Conrad, Pilote, Martin, Deblois, Christian, and Dassylva, Nathalie (2008-). Pesticides measured in air and precipitation in the Yamaska Basin (Québec): Occurrence and concentrations in 2004. *Science of The Total Environment* 394: 338-348.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Badham, H. J. and Winn, L. M. (Investigating the Role of the Aryl Hydrocarbon Receptor in Benzene-Initiated Toxicity in Vitro. *Toxicology.* 2007, Jan 18; 229(3):177-85. [*Toxicology*].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Baldrick, P. and Reeve, L. (Carcinogenicity Evaluation: Comparison of Tumor Data From Dual Control Groups in the Cd-1 Mouse. *Toxicol Pathol.* 2007; 35(4):562-9. [*Toxicologic pathology*].
Chem Codes: Chemical of Concern: MTL Code: REVIEW.
- Balestrino, D., Ghigo, J. M., Charbonnel, N., Haagensen, J. A., and Forestier, C. (The Characterization of Functions Involved in the Establishment and Maturation of Klebsiella Pneumoniae in Vitro Biofilm Reveals Dual Roles for Surface Exopolysaccharides. *Environ Microbiol.* 2008, Mar; 10(3):685-701. [*Environmental microbiology*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Ballach, H., Elling, W., Greven, H., and Wittig, R. (1987). Studies on Biocenoses Individual Organisms and Deposition Rates in the Egge Mountains West Germany an Area Heavily Affected by Forest Decline. In: *H.W.Georgii (Ed.), Atmospheric Pollutants In Forest Areas: Their Deposition And Interception, Second Symp., Oberursel/Taunus, West Germany, Nov.1985, D.Reidel Publ.Co., Dordrecht, Netherlands* 235-246.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Bandyopadhyay, A. and Biswas, M. N. (1959). Fly Ash Scrubbing in a Novel Dual Flow Scrubber. *Waste Manag.* 2007 27: Y.]].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Barnthouse, L. W., Suter, G. W., and Rosen, A. E. (1988). Inferring Population-Level Significance From Individual-Level Effects: an Extrapolation From Fisheries Science to Ecotoxicology. In: *Aquatic Toxicology and Environmental Fate, ASTM STP 1007, Philadelphia, PA* 11: 289-300.
Chem Codes: Chemical of Concern: MTL Code: METHODS.
- Bayless, E. R., Capel, P. D., Barbash, J. E., Webb, R. M., Hancock, T. L., and Lampe, D. C. (Simulated Fate and Transport of Metolachlor in the Unsaturated Zone, Maryland, Usa. *J Environ Qual.* 2008 May-Jun; 37(3):1064-72. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Bayne, B. L., Moore, M. N., Widdows, J., Livingstone, D. R., and Salkeld, P. (1979). Measurement of the Responses of Individuals to Environmental Stress and Pollution: Studies With Bivalve Molluscs. *Philos.Trans.R.Soc.Lond.B* 286: 563-581.
Chem Codes: Chemical of Concern: MTL Code: REVIEW.
- Bell, P. F., Adamu, C. A., Mulchi, C. L., Mcintosh, M., and Chaney, R. L. (1988). Residual Effects of Land Applied Municipal Sludge on Tobacco I. Effects on Heavy Metal Concentrations in Soils and Plants. *Tob.Sci.* 32: 46-51.
Chem Codes: Chemical of Concern: Cu Code: MIXTURE .
- Bencsath, F. A., Plakas, S. M., and Long, A. R. (1994). Optimization of the Analytical Performance of the Magnetic

- Sector Mass Spectrometer for the Identification of Residual Chloramphenicol in Shrimp. *Biol.Mass Spectrom.* 23: 665-674.
Chem Codes: Chemical of Concern: MTL Code: METHODS.
- Bexfield, L. M. (Decadal-Scale Changes of Pesticides in Ground Water of the United States, 1993-2003. *J Environ Qual.* 2008 Sep-Oct; 37(5 Suppl):S226-39. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Bhatia, S., Wong, C. T., and Abdullah, A. Z. (Optimization of Air-Borne Butyl Acetate Adsorption on Dual-Function Ag-Y Adsorbent-Catalyst Using Response Surface Methodology. *J Hazard Mater.* 2009, May 30; 164(2-3):1110-7. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Bielke, L. R., Elwood, A. L., Donoghue, D. J., Donoghue, A. M., Newberry, L. A., Neighbor, N. K., and Hargis, B. M. (2007). Approach for Selection of Individual Enteric Bacteria for Competitive Exclusion in Turkey Poults. *Poult.Sci.* 82: 1378-1382.
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.
- Binelli, A., Ricciardi, F., Riva, C., and Provini, A. (2006). Integrated Use of Biomarkers and Bioaccumulation Data in Zebra Mussel (*Dreissena Polymorpha*) for Site-Specific Quality Assessment. *Biomarkers* 11: 428-448.
Chem Codes: Chemical of Concern: PHE,CHR,FA,FLA,ANT,PYR,NAPH,PCB,DDT,ACR,MTL,HCC,CPY Code: SURVEY.
- Birks, R. and Hills, S. (Characterisation of Indicator Organisms and Pathogens in Domestic Greywater for Recycling. *Environ Monit Assess.* 2007, Jun; 129(1-3):61-9. [*Environmental monitoring and assessment*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Blankenship, A. L., Kannan, K., Villalobos, S. A., Villeneuve, D. L., Falandyz, J., Imagawa, T., Jakobsson, E., and Giesy, J. P. (2000). Relative Potencies of Individual Polychlorinated Naphthalenes and Halowax Mixtures to Induce Ah Receptor-Mediated Responses. *Environ.Sci.Technol.* 34: 3153-3158.
Chem Codes: Chemical of Concern: TCDD,CHN Code: IN VITRO.
- Boehm, P. D. and Quinn, J. G. (1976). The Effect of Dissolved Organic Matter in Sea Water on the Uptake of Mixed Individual Hydrocarbons and Number 2 Fuel Oil by a Marine Filter-Feeding Bivalve (*Mercenaria Mercenaria*). *Estuar.Coast.Mar.Sci.* 4: 93-105.
Chem Codes: Chemical of Concern: PHE Code: MIXTURE.
- Bonefeld-JØash, Rgensen, E. C., Long, M., Hofmeister, M. V., and Vinggaard, A. M. (Endocrine-Disrupting Potential of Bisphenol a, Bisphenol a Dimethacrylate, 4-N-Nonylphenol, and 4-N-Octylphenol in Vitro: New Data and a Brief Review. *Environ Health Perspect.* 2007, Dec; 115 Suppl 1:69-76. [*Environmental health perspectives*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Bonzini Sara, Verro Roberto, Otto Stefan, Lazzaro Luca, Finizio Antonio, Zanin Giuseppe, and Vighi Marco (2007). Experimental Validation of a Geographical Information Systems-Based Procedure for Predicting Pesticide Exposure in Surface Water. *Environmental Science & Technology* [*Environ. Sci. Technol.*]. Vol. 41, no. 1, pp. 7561-7569. 2007. 41: 7561-7569.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Boon, J. P., Oudejans, R. C. H. M., and Duinker, J. C. (1984). Kinetics of Individual Polychlorinated Biphenyl (Pcb) Components in Juvenile Sole (*Solea Solea*) in Relation to Their Concentrations in Food and to Lipid Metabolism. *Comp.Biochem.Physiol.C* 79: 131-142.
Chem Codes: Chemical of Concern: PCB Code: MIXTURE.
- Boon, J. P., Van Amhem, E., Jansen, S., Kannan, N., Petrick, G., and Schulz, D. (1992). The Toxicokinetic of Pcb

- in Marine Mammals With Special Reference to Possible Interactions of Individual Congeners With the Cytochrome P450-Dependent Mono-Oxygenase System- an Overview. *Publ.No.29 of the Appl.Sci.Proj.of the Netherlands Inst.for Sea Research; Note: Appeared In: C.H.Walker and D.L.Livingston (Eds.), Persistent Pollutants in Marine Ecosystems, Pergamon Press, Oxford 119-159 .*
Chem Codes: Chemical of Concern: PCB Code: REFS CHECKED/REVIEW.
- Boon, J. P., Van Zantvoort, M. B., and Govaert, M. J. M. A. (1985). Organochlorines in Benthic Polychaetes (Nephtys Spp.) And Sediments From the Southern North Sea. Identification of Individual Pcb Components. *Neth J Sea Res* 19: 93-109.
Chem Codes: Chemical of Concern: PCB Code: NO DURATION/SEDIMENT.
- Bordeleau, G., Savard, M. M., Martel, R., Ampleman, G., and Thiboutot, S. (Determination of the Origin of Groundwater Nitrate at an Air Weapons Range Using the Dual Isotope Approach. *J Contam Hydrol.* 2008, Jun 6; 98(3-4):97-105. [*Journal of contaminant hydrology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Botha, P. J. and Nel, P. C. (1972). Effect of Herbicides on Tuber Sprouting and Vegetative Growth of Nutsedge Plants (Cyperus Rotundus L.) [Die Invloed Van Onkruidodders Op Die Uitloop Van Knolle En Vegetatiewe Groei Van Bruinuintjieplante (Cyperus Rotundus L.)]. *Agroplantae* 4: 9-14 (GER) (ENG ABS).
Chem Codes: Chemical of Concern: DMB,ACR,EPTC,AMTL,LNR,FMU,TRB,PAQT Code: NON-ENGLISH.
- Bovey, R. W. and Scifres, C. J. (1971). Residual Characteristics of Picloram in Grassland Ecosystems. *Tex.Agric.Exp.Stn.Bull.No.B-1111* 24.
Chem Codes: Chemical of Concern: MTL Code: SURVEY.
- Bradley, D., Harkey, M. A., Kim, M. K., Biever, K. D., and Bauer, L. S. (1995). The Insecticidal CryIb Crystal Protein of Bacillus Thuringiensis Ssp. Thuringiensis Has Dual Specificity to Coleopteran and Lepidopteran Larvae. *J.Invertebr.Pathol.* 65: 162-173.
Chem Codes: Chemical of Concern: MTL Code: BACTERIA/BIOLOGICAL TOXICANT.
- Branchini, B. R., Ablamsky, D. M., Murtiashaw, M. H., Uzasci, L., Fraga, H., and Southworth, T. L. (Thermostable Red and Green Light-Producing Firefly Luciferase Mutants for Bioluminescent Reporter Applications. *Anal Biochem.* 2007, Feb 15; 361(2):253-62. [*Analytical biochemistry*].
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.
- Brennan, A. A., You, J., and Lydy, M. J. (Comparison of Cleanup Methods for Fipronil and Its Degradation Products in Sediment Extracts. *Talanta.* 2009, Jun 15; 78(4-5):1408-13. [*Talanta*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Brewster, M. A., Rupe, W., and Rafferty, M. H. (1992). Small Area Pesticides Data: Multiplicity and Variability of Pesticide Usage on Southern Row Crops. *Arch.Environ.Contam.Toxicol.* 23: 289-294.
Chem Codes: Chemical of Concern:
ACP,ADC,AZ,CBL,CBF,CPY,DCTP,DMT,FNV,MLN,MDT,MOM,MP,PMR,BMY,Captan,CBX,CLNB,CTN,MZB,Maneb,THM,PMT,DMB,OYZ,ACF,CZE,DSMA,PPN,TBC,TFN,24D,24DB,ACR,BT,DU,GY P,LNR,MFD,MTL,MLT,NFZ,PAQT,PDM,MSMA,NPM,ODZ,SPS,TXP,PNB,TBA,TPE,SZ,FMU,MBZ
Code: REFS CHECKED/REVIEW.
- Bridges, M., Henry, W. B., Shaner, D. L., Khosla, R., Westra, P., and Reich, R. (Spatial Variability of Atrazine and Metolachlor Dissipation on Dryland No-Tillage Crop Fields in Colorado. *J Environ Qual.* 2008 Nov-Dec; 37(6):2212-20. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Brown, R. S. (Ln3+-Catalyzed Alcoholysis of Organophosphates: New Methodology for the Catalytic

- Transformation of Phosphorus Pesticides and Cw Agents. *Govt Reports Announcements & Index (GRA&I)*, Issue 25, 2007.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Brungs, W. A. (1973). Effects of Residual Chlorine on Aquatic Life. *J.Water Pollut.Control Fed.* 45: 2180-2193.
Chem Codes: Chemical of Concern: MTL Code: REFS CHECKED/REVIEW.
- Buckley, J. A. (1976). Acute Toxicity of Residual Chlorine in Wastewater to Coho Salmon (*Oncorhynchus Kisutch*) and Some Resultant Hematologic Changes. *J.Fish.Res.Board Can.* 33: 2854-2856.
Chem Codes: Chemical of Concern: MTL Code: EFFLUENT.
- Buhler, D. D., Schreiber, M. M., and Koskinen, W. C. (1994). Weed Control With Starch-Encapsulated Alachlor, Metolachlor, and Atrazine. *Weed Technol.* 8: 277-284.
Chem Codes: Chemical of Concern: MTL,ACR,ATZ Code: MIXTURE.
- Bullock, A. N., Das, S., Debreczeni, J. E., Rellos, P., Fedorov, O., Niesen, F. H., Guo, K., Papagrigoriou, E., Amos, A. L., Cho, S., Turk, B. E., Ghosh, G., and Knapp, S. (Kinase Domain Insertions Define Distinct Roles of Clk Kinases in Sr Protein Phosphorylation. *Structure.* 2009, Mar 11; 17(3):352-62. [*Structure (London, England : 1993)*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Burger, J., Nisbet, I. C. T., and Gochfeld, M. (1992). Metal Levels in Regrown Feathers: Assessment of Contamination on the Wintering and Breeding Grounds in the Same Individuals. *J.Toxicol.Environ.Health* 37: 363-374.
Chem Codes: Chemical of Concern: Se,Pb,Cel,Hg Code: NO CONC/NO DURATION/SURVEY.
- Burns, D. A., Boyer, E. W., Elliott, E. M., and Kendall, C. (Sources and Transformations of Nitrate From Streams Draining Varying Land Uses: Evidence From Dual Isotope Analysis. *J Environ Qual.* 2009 May-Jun; 38(3):1149-59. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Butler, M. M., Lamarr, W. A., Foster, K. A., Barnes, M. H., Skow, D. J., Lyden, P. T., Kustigian, L. M., Zhi, C., Brown, N. C., Wright, G. E., and Bowlin, T. L. (Antibacterial Activity and Mechanism of Action of a Novel Anilinouracil-Fluoroquinolone Hybrid Compound. *Antimicrob Agents Chemother.* 2007, Jan; 51(1):119-27. [*Antimicrobial agents and chemotherapy*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Caldwell, J. M. and Levine, J. F. (Domestic Wastewater Influent Profiling Using Mitochondrial Real-Time Pcr for Source Tracking Animal Contamination. *J Microbiol Methods.* 2009, Apr; 77(1):17-22. [*Journal of microbiological methods*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS/IN VITRO.
- Caldwell, J. M., Raley, M. E., and Levine, J. F. (Mitochondrial Multiplex Real-Time Pcr as a Source Tracking Method in Fecal-Contaminated Effluents. *Environ Sci Technol.* 2007, May 1; 41(9):3277-83. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: EFFLUENT/IN VITRO.
- Callihan, R. H. and Bellinder, R. R. (1993). Management of Weeds. In: R.C.Rowe (Ed.), *Potato Health Management*, Am.Phytopathol.Soc.(APS) Press, St.Paul, MN 95-102.
Chem Codes: Chemical of Concern: 24D,GYP,TFN,PDM,MTC,LNR,MBZ Code: NO TOX DATA.
- Canesi, L., Lorusso, L. C., Ciacci, C., Betti, M., Rocchi, M., Pojana, G., and Marcomini, A. (2007). Immunomodulation of Mytilus Hemocytes by Individual Estrogenic Chemicals and Environmentally Relevant Mixtures of Estrogens: in Vitro and in Vivo Studies. *Aquat.Toxicol.* 81: 36-44.
Chem Codes: Chemical of Concern: EED,NYP Code: MIXTURE.

- Cao, X., Ma, L., Gao, B., and Harris, W. (Dairy-Manure Derived Biochar Effectively Sorbs Lead and Atrazine. *Environ Sci Technol.* 2009, May 1; 43(9):3285-91. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Carey, R. L. (1993). Effects of Guthion (Azinphos-Methyl) on Individual Fitness Correlates of Gray-Tailed Voles in Field Enclosures. *M.S.Thesis, Oregon State Univ., Corvallis, OR* 36 p.
Chem Codes: Chemical of Concern: AZ Code: PUBL AS .
- Carpenter, K. D., Sobieszczyk, S., Arnsberg, A. J., and Rinella, F. A. (Pesticide Occurrence and Distribution in the Lower Clackamas River Basin, Oregon, 2000-2005. *Govt Reports Announcements & Index (GRA&I), Issue 07, 2009.*
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Carriger, J. F. and Rand, G. M. (2008). Aquatic Risk Assessment of Pesticides in Surface Waters in and Adjacent to the Everglades and Biscayne National Parks: II. Probabilistic Analyses. *Ecotoxicology* 17: 680-696.
Chem Codes: Chemical of Concern: ES2,ES1,MLN,MTL,ATZ,CPY,ES Code: REFS
CHECKED/REVIEW.
- Carriger John F and Rand Gary M* (2008). Aquatic Risk Assessment of Pesticides in Surface Waters in and Adjacent to the Everglades and Biscayne National Parks: I. Hazard Assessment and Problem Formulation. *Ecotoxicology [Ecotoxicology]. Vol. 17, no. 7, pp. 660-679. Oct 2008.*
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Carter, H. L., Evans, M. A., and Waldron, A. C. (1980). Pesticide Use on Major Crops in Ohio - 1978. *Ohio Agric.Res.Dev.Cent.Res.Bull.* 1117: 1-47.
Chem Codes : Chemical of Concern:
THM,TXP,PRN,HPT,MXC,FNF,VNT,TRB,PCH,PEB,NPM,EDT,DDP,CYC,CPP,BTY,PCL,AMTL,AMT
R,HCCH,AND,MPCA,EPTC,CZE,PSM,OXD,TCF,MVP,PYZ,PHMD,MTL,Captan,TCF,PRT,MP,MDT,
MLN,DS,DMT,DZ,CPY,CBF,CBL,AZ,ACP,TFN,SZ,PDM,PAQT,OYZ,MBZ,LNR,GYP,Dicamba,BT,AT
Z,ACR,24D,BMY Code: NO EFFECT.
- Carvalho-Oliveira, R., Saiki, M., Pires-Neto, R. C., Lorenzi-Filho, G., Macchione, M., and Saldiva, P. H. N. (2005). Anti-Oxidants Reduce the Acute Adverse Effects of Residual Oil Fly Ash on the Frog Palate Mucociliary Epithelium. *Environ.Res.* 98 : 349-354.
Chem Codes: Chemical of Concern: As,Br2,Co,Cr,Fe,Sb,Se,Tl,Zn,EDTA Code: IN VITRO.
- Catricala, C. E., Bowden, W. B., Smith, C. T., and McDowell, W. H. (1996). Chemical Characteristics of Leachate From Pulp and Paper Mill Residuals Used to Reclaim and Sandy Soil. *Water Air Soil Pollut.* 89: 167-187.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE .
- Caurent, F., Amiard, J. C., Amiard-Triquet, C., and Sauriau, P. G. (1994). Ecological and Biological Factors Controlling the Concentrations of Trace Elements (as,Cd,Cu,Hg,Se,Zn) in Delphinids Globicephala Melas From the North Atlantic Ocean. *Mar.Ecol.Prog.Ser.* 103: 207-219.
Chem Codes: Chemical of Concern: Se Code: SURVEY.
- Cazanave, S., Vadrot, N., Tinel, M., Berson, A., LettÉ, Ron, P., Larosche, I., Descatoire, V., Feldmann, G., Robin, M. A., and Pessayre, D. (Ibuprofen Administration Attenuates Serum Tnf-Alpha Levels, Hepatic Glutathione Depletion, Hepatic Apoptosis and Mouse Mortality After Fas Stimulation. *Toxicol Appl Pharmacol.* 2008, Sep 15; 231(3):336-43. [*Toxicology and applied pharmacology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Challier, A., Eyraud, M., and Laveissiere, C. (1978). Selective Spraying of Residual Insecticides in Resting Places of Riverine Tsetse Flies Tests in Guinea Savannah and Possibility of Application in the Different Bio Climatic Areas of West Africa (Application Selective D'insecticides Remanents Aux Lieux De Repos Des Glossines Riveraines: Essais En Zone De Savane Guineenne Et Possibilite D'application Dans Les

- Differentes Zones Bioclimatiques D'Afrique Occidentale). *Cah.O.R.S.T.O.M.Ser.Entomol.Med.Parasitol.* 16: 5-16 (FRE) (ENG ABS).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Chan, A. W., Galloway, M. M., Kwan, A. J., Chhabra, P. S., Keutsch, F. N., Wennberg, P. O., Flagan, R. C., and Seinfeld, J. H. (Photooxidation of 2-Methyl-3-Buten-2-ol (Mbo) as a Potential Source of Secondary Organic Aerosol. *Environ Sci Technol.* 2009, Jul 1; 43(13):4647-52. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Chang, Y. J., Hussain, A. K. M. A., Stephen, J. R., Mullen, M. D., White, D. C., and Peacock, A. (2001). Impact of Herbicides on the Abundance and Structure of Indigenous beta-Subgroup Ammonia-Oxidizer Communities in Soil Microcosms. *Environ.Toxicol.Chem.* 20: 2462-2468.
Chem Codes: Chemical of Concern: SFZ,MTL,FMU,DMB,ATZ Code: BACTERIA.
- Chang, Y. J., Hussain, A. K. M. A., Stephen, J. R., Mullen, M. D., White, D. C., and Peacock, A. (2001). Impact of Herbicides on the Abundance and Structure of Indigenous Beta-Subgroup Ammonia-Oxidizer Communities in Soil Microcosms. *Environ.Toxicol.Chem.* 20: 2462-2468.
Chem Codes: Chemical of Concern: SFZ,MTL,FMU,DMB,ATZ Code: BACTERIA.
- Charudattan, R. (1986). Integrated Control of Waterhyacinth (Eichhornia Crassipes) With a Pathogen, Insects, and Herbicides. *Weed Sci.* 34: 26-30.
Chem Codes: Chemical of Concern: DMB,24D,AMTL,GYP Code: REFS CHECKED/REVIEW.
- Chen, B. Y., Chen, W. M., and Chang, J. S. (Optimal Biostimulation Strategy for Phenol Degradation With Indigenous Rhizobium Ralstonia Taiwanensis. *J Hazard Mater.* 2007, Jan 10; 139(2):232-7. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Chen, B. Y., Lin, C. Y., and Hsu, S. Y. (Toxicity Assessment Upon Augmented Biostimulation Source to Indigenous Rhizobium Cupriavidus Taiwanensis. *J Hazard Mater.* 2009, Apr 15; 163(1):143-51. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Chen, B. Y., You, J. W., and Chang, J. S. (Optimal Exponential Feeding Strategy for Dual-Substrate Biostimulation of Phenol Degradation Using Cupriavidus Taiwanensis. *J Hazard Mater.* 2009, Aug 30; 168(1):507-14. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Chen, H., Zuo, X., Su, S., Tang, Z., Wu, A., Song, S., Zhang, D., and Fan, C. (An Electrochemical Sensor for Pesticide Assays Based on Carbon Nanotube-Enhanced Acetylcholinesterase Activity. *Analyst.* 2008, Sep; 133(9):1182-6. [*The Analyst*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Chen, M., Huo, Y., and Wang, J. (Speciation of Inorganic Arsenic in a Sequential Injection Dual Mini-Column System Coupled With Hydride Generation Atomic Fluorescence Spectrometry. *Talanta.* 2009, Apr 15; 78(1):88-93. [*Talanta*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Chen, X., Zhu, G., Jin, T., Akesson, A., Bergdahl, I. A., Lei, L., Weng, S., and Liang, Y. (Changes in Bone Mineral Density 10 Years After Marked Reduction of Cadmium Exposure in a Chinese Population. *Environ Res.* 2009, Oct; 109(7):874-9. [*Environmental research*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Chen, X., Zhu, G., Jin, T., and Gu, S. (Effects of Cadmium on Forearm Bone Density After Reduction of Exposure

- for 10 Years in a Chinese Population. *Environ Int.* 2009, Nov; 35(8):1164-8. [*Environment international*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Cheng, J., Thanassi, J. A., Thoma, C. L., Bradbury, B. J., Deshpande, M., and Pucci, M. J. (Dual Targeting of Dna Gyrase and Topoisomerase Iv: Target Interactions of Heteroaryl Isothiazolones in Staphylococcus Aureus. *Antimicrob Agents Chemother.* 2007, Jul; 51(7):2445-53. [*Antimicrobial agents and chemotherapy*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Chester, M., Martin, E., and Sathaye, N. (Energy, Greenhouse Gas, and Cost Reductions for Municipal Recycling Systems. *Environ Sci Technol.* 2008, Mar 15; 42(6):2142-9. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: NO TOX DATA.
- Chevrot, G., Schurhammer, R., and Wipff, G. (Synergistic Effect of Dicarbolide Anions in Liquid-Liquid Extraction: a Molecular Dynamics Study at the Octanol-Water Interface. *Phys Chem Chem Phys.* 2007, Apr 28; 9(16):1991-2003. [*Physical chemistry chemical physics : PCCP*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Chi, K. H., Chang, S. H., and Chang, M. B. (Reduction of Dioxin-Like Compound Emissions From a Waelz Plant With Adsorbent Injection and a Dual Baghouse Filter System . *Environ Sci Technol.* 2008, Mar 15; 42(6):2111-7. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Cho, C. H., Chen, B. W., Poon, Y. K., Ng, M. M. T., Hui, W. M., Lam, S. K., and Ogle, C. W. (1989). Dual Effects of Zinc Sulphate on Ethanol-Induced Gastric Injury in Rats: Possibly Mediated by an Action on Mucosal Blood Flow. *J.Pharm.Pharmacol.* 41: 685-689.
Chem Codes: Chemical of Concern: ZnS,ETHN Code: HUMAN HEALTH.
- Cho, H. Y. and Kong, K. H. (Study on the Biochemical Characterization of Herbicide Detoxification Enzyme, Glutathione S-Transferase. *Biofactors.* 2007; 30(4):281-7. [*BioFactors (Oxford, England)*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Choudhury, G. K., Pothiraj, P., Palaniappan, S., and Rao, P. (1992). A Methodology for Evaluation of Residual Effect of Weed-Management Practices in Rice (Oryza Sativa)-Rice-Greengram (Phaseolus Radiatus) Cropping System. *Indian J.Agron.* 37: 407-410.
Chem Codes: Chemical of Concern: MLT,BTC,ANL,24DXY Code: MIXTURE.
- Chui, J. N., Kahumbura, J. M., and Kusewa, T. M. (1997). On-Farm Weed Control in Maize Using Cultural, Physical and Chemical Methods. In: *Brighton Crop Prot.Counc., The 1997 Brighton Crop Prot.Conf.: Weeds, Volumes 1-3, Int.Conf., Nov.17-20, 1997, Brighton, England* 179-184.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Ciba-Geigy Corporation (1992). Best Management Practices to Reduce Runoff of Pesticides into Surface Water: A Review and Analysis of Supporting Research. *Tech.Rep.9-92, Environ.and Public Affairs Dep., Greensboro, NC* 47 p.
Chem Codes: Chemical of Concern: DMB,MBZ,PCL,SZ,TFN,24D,ACR,ADC,ATZ,BTY,CBF,DZE,FNF,MTL Code: FATE.
- Ciba-Geigy Corporation (1992). Best Management Practices to Reduce Runoff of Pesticides Into Surface Water: a Review and Analysis of Supporting Research. *Tech.Rep.9-92, Environ.and Public Affairs Dep., Greensboro, NC* 47 p.
Chem Codes: Chemical of Concern: DMB,MBZ,PCL,SZ,TFN,24D,ACR,ADC,ATZ,BTY,CBF,DZE,FNF,MTL Code: FATE.
- Cobb, A. (1992). Herbicides That Inhibit Photosynthesis. In: *A.Cobb (Ed.), Herbicides and Plant Physiology, Chapter 3, Chapman & Hall, London, England* 36, 79-81.

Chem Codes: Chemical of Concern: SZ,MTL,PHMD,SXD,IZP,DMB Code: REFS
CHECKED/REVIEW.

Coeurdassier, M., De Vaufleury, A., Crini, N., Scheifler, R., and Badot, P. M. (2005). Assessment of Whole Effluent Toxicity on Aquatic Snails: Bioaccumulation of Cr, Zn, and Fe, and Individual Effects in Bioassays. *Environ.Toxicol.Chem.* 24 : 198-204.

Chem Codes: Chemical of Concern: MTL Code: EFFLUENT/MIXTURE.

Colborn, T. and Short, P. (1999). Pesticide Use in the U.s. And Policy Implications: a Focus on Herbicides. *Toxicol.Ind.Health* 15: 241-276.

Chem Codes: Chemical of Concern:

TNM,TSF,THFM,RIM,PSF,PMSM,NSF,MTSM,CSF,CRME,BSFM,IZT,IMQ,IZP,IZX,IMBM,SMM,TFN,TPZ,SZ,PCL,ACO,ACR,AMTL,ATZ,BMC,BMN,CZE,DCPA,LNR,MTAS,MBX,MLT,PAQT Code:
REVIEW.

Cotugno, M., Gallone, U., Sansone, G., Sinno, P., and Biondi, A. (1980). Localization and Individualization of Anomalous Carbonates in the Valve of Mytilus Galloprovincialis (Localizzazione Ed Individualizzazione Di Carbonati Anomali Nel La Valva Di Mytilus Galloprovincialis). *Boll.Soc.Ital.Biol.Sper.* 56: 257-262 (ITA) (ENG ABS).

Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.

Crous, P. W., Braun, U., and Groenewald, J. Z. (Mycosphaerella Is Polyphyletic. *Stud Mycol.* 2007; 58:1-32. [*Studies in mycology*].

Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.

Cuenco, M. L., Stickney, R. R., and Grant, W. E. (1985). Fish Bioenergetics and Growth in Aquaculture Ponds: I. Individual Fish Model Development. *Ecol.Model.* 27: 169-190.

Chem Codes: Chemical of Concern: MTL Code: MODELING.

Cuenco, M. L., Stickney, R. R., and Grant, W. E. (1985). Fish Bioenergetics and Growth in Aquaculture Ponds: Ii. Effects of Interactions Among Size, Temperature, Dissolved Oxygen, Unionized Ammonia and Food on Growth of Individual Fish. *Ecol.Model.* 27: 191-206.

Chem Codes: Chemical of Concern: NH Code: MODELING.

Curwin, B. D., Hein, M. J., Sanderson, W. T., Striley, C., Heederik, D., Kromhout, H., Reynolds, S. J., and Alavanja, M. C. (Pesticide Dose Estimates for Children of Iowa Farmers and Non-Farmers. *Environ Res.* 2007, Nov; 105(3):307-15. [*Environmental research*].

Chem Codes : Chemical of Concern: MTL Code: HUMAN HEALTH.

Curwin, B. D., Hein, M. J., Sanderson, W. T., Striley, C., Heederik, D., Kromhout, H., Reynolds, S. J., and Alavanja, M. C. (Urinary Pesticide Concentrations Among Children, Mothers and Fathers Living in Farm and Non-Farm Households in Iowa. *Ann Occup Hyg.* 2007, Jan; 51(1):53-65. [*The Annals of occupational hygiene*].

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Dacre, J. C. (1974). Residual Organochlorine Pesticides in the Fat of Mutton Birds of New Zealand. *Bull.Environ.Contam.Toxicol.* 11: 517-522.

Chem Codes: Chemical of Concern: MTL Code: NO CONC/NO DURATION/SURVEY.

Dai, Y., Yuan, Z., Wang, X., Oehmen, A., and Keller, J. (Anaerobic Metabolism of Defluviicoccus Vanus Related Glycogen Accumulating Organisms (Gaos) With Acetate and Propionate as Carbon Sources. *Water Res.* 2007, May; 41(9):1885-96. [*Water research*].

Chem Codes: Chemical of Concern: MTL Code: BACTERIA.

Dalton, M. S. and Frick, E. A. (Fate and Transport of Pesticides in the Ground Water Systems of Southwest

- Georgia, 1993-2005. *J Environ Qual*. 2008 Sep-Oct; 37(5 Suppl):S264-72. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Dalton, S. R., Miller, R. T., and Meyer, S. A. (1998). Liver Egf Receptor and Thyroid Response to Tumor Promoter Phenobarbital Compared With Responses to Metolachlor a Nongenotoxic Rat Hepatocarcinogen. *In: 89th Annu.Meet.of the Am.Assoc.for Cancer Res., Mar.28-Apr.1, 1998, New Orleans, LA, Proc.of the Am.Assoc.for Cancer Res.* 483-484 (ABS).
Chem Codes: Chemical of Concern: MTL Code: ABSTRACT.
- Dana, M. N. (1989). The American Cranberry Industry. *Acta.Hortic.* 241: 287-294.
Chem Codes: Chemical of Concern: GYP,NFZ,DBN,AMTL,FeS Code: REFS CHECKED/REVIEW.
- Darlington, S. T., Gower, A. M., and Ebdon, L. (1986). The Measurement of Copper in Individual Aquatic Insect Larvae. *Environ.Technol.Lett.* 7: 141-146.
Chem Codes: Chemical of Concern: Cu Code: NO DURATION/SURVEY.
- Davidson, C. and Knapp, R. A. (2007). Multiple Stressors and Amphibian Declines: Dual Impacts of Pesticides and Fish on Yellow-Legged Frogs. *Ecol.Appl.* 17: 587-597.
Chem Codes: Chemical of Concern: MTL Code: NO DURATION/SURVEY.
- De, A. K. and Ghosh, J. J. (1992). Capsaicin and Its Dual Nature of Action on Inflammatory Responses in Rat Paw. *Neuropeptides* 22: 15-16 (ABS).
Chem Codes: Chemical of Concern: CPS Code: ABSTRACT.
- De Windt, L., Badreddine, R., and Lagneau, V. (Long-Term Reactive Transport Modelling of Stabilized/Solidified Waste: From Dynamic Leaching Tests to Disposal Scenarios. *J Hazard Mater.* 2007, Jan 31; 139(3):529-36. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Dearfield, K. L., Stack, H. F., Quest, J. A., Whiting, R. J., and Waters, M. D. (1993). A Survey of Epa/Opp and Open Literature Data on Selected Pesticide Chemicals Tested for Mutagenicity: I. Introduction and First Ten Chemicals. *Mutat.Res.* 297: 197-233.
Chem Codes: Chemical of Concern: PRN,HCCH,Folpet,DPDP,CPYM,CTN,ATZ,RTN,AMTL,PPZ
Code: REFS CHECKED/REVIEW.
- Depledge, M. H. (1990). New Approaches in Ecotoxicology: Can Inter-Individual Physiological Variability Be Used as a Tool to Investigate Pollution. *Ambio* 19: 251.
Chem Codes: Chemical of Concern: MTL Code: NO TOX DATA.
- Dermou, E. and Vayenas, D. V. (A Kinetic Study of Biological Cr(VI) Reduction in Trickling Filters With Different Filter Media Types. *J Hazard Mater.* 2007, Jun 25; 145(1-2):256-62. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Devault, D. A., Merlina, G., Lim, P., Probst, J. L., and Pinelli, E. (2007). Multi-Residues Analysis of Pre-Emergence Herbicides in Fluvial Sediments: Application to the Mid-Garonne River. *Journal of Environmental Monitoring [J. Environ. Monit.].* Vol. 9, no. 9, pp. 1009-1017. Sep 2007.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Dimenna, R. A., Lee, S. Y., Tamburello, D. A., and Rector, D. (Advanced Mixing Models. *Govt Reports Announcements & Index (GRA&I), Issue 07, 2009.*
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Ditta, I. B., Steele, A., Liptrot, C., Tobin, J., Tyler, H., Yates, H. M., Sheel, D. W., and Foster, H. A. (Photocatalytic Antimicrobial Activity of Thin Surface Films of TiO₂, CuO and TiO₂/CuO Dual Layers on Escherichia

- Coli and Bacteriophage T4. *Appl Microbiol Biotechnol.* 2008, May; 79(1):127-33. [Applied microbiology and biotechnology].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA/VIRUS.
- Dixit, S., Verma, N., Tiwari, S., and Mishra, D. D. (An Innovative Technique for Lake Management With Reference to Aeration Unit Installed at Lower Lake, Bhopal, India. *Environ Monit Assess.* 2007, Jan; 124(1-3):33-7. [Environmental monitoring and assessment].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Dong, X., Chen, J., Zeng, S., and Zhao, D. (Integrated Assessment of Urban Drainage System Under the Framework of Uncertainty Analysis. *Water Sci Technol.* 2008; 57(8):1227-34. [Water science and technology : a journal of the International Association on Water Pollution Research].
Chem Codes: Chemical of Concern: MTL Code: FATE/MODELING.
- Dores, E. F., Carbo, L., Ribeiro, M. L., and De-Lamonica-Freire, E. M. (Pesticide Levels in Ground and Surface Waters of Primavera Do Leste Region, Mato Grosso, Brazil. *J Chromatogr Sci.* 2008, Aug; 46(7):585-90. [Journal of chromatographic science].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Dosdall, L. M., Galloway, M. M., and Arnason, J. T. (1992). Toxicity and Residual Action of the Photoactivated Compound, Cyano-Alpha-Terthienyl, and Its Efficacy for Reducing Pre-Imaginal Populations of Mosquitoes. *J.Am.Mosq.Control Assoc.* 8: 166-172.
Chem Codes: Chemical of Concern: MTL Code: CAS # UNAVAILABLE.
- Douben, P. E. T. and Siepel, H. (1993). Extrapolation From Laboratory to Field and From Individual to Populations: Pitfalls to Avoid. *Sci.Total Environ. Suppl.* '93: 1025-1036.
Chem Codes: Chemical of Concern: MTL Code: REFS CHECKED/REVIEW.
- Dousset, S., Thevenot, M., Pot, V., Simunek, J., and Andreux, F. (Evaluating Equilibrium and Non-Equilibrium Transport of Bromide and Isoproturon in Disturbed and Undisturbed Soil Columns. *J Contam Hydrol.* 2007, Dec 7; 94(3-4):261-76. [Journal of contaminant hydrology].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Droge, S. T. and Hermens, J. L. (Nonlinear Sorption of Three Alcohol Ethoxylates to Marine Sediment: a Combined Langmuir and Linear Sorption Process? *Environ Sci Technol.* 2007, May 1; 41(9):3192-8. [Environmental science & technology].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Droge, S. T., Yarza-Irusta, L., and Hermens, J. L. (Modeling Nonlinear Sorption of Alcohol Ethoxylates to Sediment: the Influence of Molecular Structure and Sediment Properties. *Environ Sci Technol.* 2009, Aug 1; 43(15):5712-8. [Environmental science & technology].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Du Preez, L. H., Jansen van Resburg, P. J., Jooste, A. M., Carr, J. A., Giesy, J. P., Gross, T. S., Kendall, R. J., Smith, E. E., Van der Kraak, G., and Solomon, K. R. (2005). Seasonal Exposures to Triazine and Other Pesticides in Surface Waters in the Western Highveld Corn-Production Region in South Africa. *Environ.Pollut.* 135: 131-141.
Chem Codes: Chemical of Concern: Se,MTL,ATZ Code: NO SPECIES.
- Dubreuil, J. D. (Escherichia Coli Stb Toxin and Colibacillosis: Knowing Is Half the Battle. *FEMS Microbiol Lett.* 2008, Jan; 278(2):137-45. [FEMS microbiology letters].
Chem Codes: Chemical of Concern: MTL Code: BIOLOGICAL TOXICANT.
- Dutka, B. J., McInnis, R., Jurkovic, A., Liu, D., and Castillo, G. (1996). Water and Sediment Ecotoxicity Studies in Temuco and Rapel River Basin, Chile. *Environ.Toxicol.Water Qual.* 11: 237-247.

- Chem Codes: Chemical of Concern: BMY,MTL,ATZ Code: BACTERIA/FATE/MIXTURE.
- Eapen, S., Singh, S., and D'souza, S. F. (Advances in Development of Transgenic Plants for Remediation of Xenobiotic Pollutants. *Biotechnol Adv.* 2007 Sep-Oct; 25(5):442-51. [*Biotechnology advances*].
Chem Codes: Chemical of Concern: MTL Code : REVIEW.
- Easton, G. D., Nagle, M. E., and Bailey, D. L. (1975). Residual Effect of Soil Fumigation With Vine Burning on Control of Verticillium Wilt of Potato. *Phytopathology* 65: 1419-1422.
Chem Codes: Chemical of Concern: DPDP,13DPE,CLP Code: MIXTURE.
- Eisses, K. T., Schoonen, W., Aben, W., Scharloo, W., and Thorig, G. (Dual Function of the Alcohol Dehydrogenase Ec-1.1.1.1 Of Drosophila Melanogaster Ethanol and Acetaldehyde Oxidation by 2 Allozymes Alcohol Dehydrogenase 71k and Alcohol Dehydrogenase. *Mol.Gen.Genet.* 199: 76-81.
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Ekholm, P., JouttijÄ, Rvi, T., Priha, M., Rita, H., and Nurmesniemi, H. (Determining Algal-Available Phosphorus in Pulp and Paper Mill Effluents: Algal Assays Vs Routine Phosphorus Analyses. *Environ Pollut.* 2007, Feb; 145(3):715-22. [*Environmental pollution (Barking, Essex : 1987)*].
Chem Codes: Chemical of Concern: MTL Code: EFFLUENT.
- Eltz, T., Whitten, W. M., Roubik, D. W., and Linsenmair, K. E. (1999). Fragrance Collection, Storage, and Accumulation by Individual Male Orchid Bees. *J.Chem.Ecol.* 25: 157-176.
Chem Codes: Chemical of Concern: VNL Code : NO CONC.
- England, G. C., Watson, J. G., Chow, J. C., Zielinska, B., Chang, M. C., Loos, K. R., and Hidy, G. M. (Dilution-Based Emissions Sampling From Stationary Sources: Part 2--Gas-Fired Combustors Compared With Other Fuel-Fired Systems. *J Air Waste Manag Assoc.* 2007, Jan; 57(1):79-93. [*Journal of the Air & Waste Management Association (1995)*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Epstein, S. S. and Legator, M. S. (1971). The Mutagenicity of Pesticides Concepts and Evaluation. In: S.S.Epstein and M.S.Legator (Eds.), *The Mutagenicity of Pesticides Concepts and Evaluation*, MIT Press 52-69, 185, 213.
Chem Codes: Chemical of Concern:
PRN,MP,MLN,DEM,DMT,PRT,PPHD,AND,PYN,24DXY,DDT,EDB,MLH,PAQT,PCP,CBL,PCH,HPT,
CBF,ADC,THM,Ziram,DU,LNR,AMTL,AZ,ACL,ACY,TBR,CCA,ATZ,TFN,DNT,DDT,PCL,DMB,DZ,T
XP,CHD,EN,DOD,MB,HCCH,Captan,PYT,DU Code: REFS CHECKED/REVIEW.
- Fandrei, G. L. (1975). Total Residual Chlorine: Its Effect on the Emerald Shiner Notropis Atherinoides (Rafinesque). *M.S.Thesis, University of Minnesota, Minneapolis, MN* 53 p. (Publ As 5381).
Chem Codes: Chemical of Concern: Cl Code: PUBL AS.
- Farenhorst, A., Topp, E., Bowman, B. T., Tomlin, A. D., and Bryan, R. D. (2001). Sorption of Atrazine and Metolachlor by Burrow Linings Developed in Soils with Different Crop Residues at the Surface. *J.Environ.Sci.Health Part B* 36: 389-396.
Chem Codes: Chemical of Concern: ATZ,MTL Code: FATE.
- Farivar, T. N., Varnousfaderani, P. J., and Borji, A. (Mutation in Alkylhydroperoxidase D Gene Dramatically Decreases Persistence of Mycobacterium Bovis Bacillus Calmette-Guerin in Infected Macrophage. *Indian J Med Sci.* 2008, Jul; 62(7):275-82. [*Indian journal of medical sciences*].
Chem Codes: Chemical of Concern: MTL Code : BACTERIA.
- Farkas, M., Berry, J. O., and Aga, D. S. (Determination of Enzyme Kinetics and Glutathione Conjugates of Chlortetracycline and Chloroacetanilides Using Liquid Chromatography-Mass Spectrometry. *Analyst.* 2007, Jul; 132(7):664-71. [*The Analyst*].

- Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Faustini, C., Garrison, M., and Goldstein, D. (Environmental Review of Proposed Changes to the Easton Utilities Plant No. 2. *Govt Reports Announcements & Index (GRA&I), Issue 15, 2008.*
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Felix, J., Ivany, J., Kegode, G. O., and Doohan, D. (2009). Timing Potato Cultivation Using the Weedcast Model. *Weed Science* 57 : 87-93.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Feng, L., Carvalho, R., and Suh, B. I. (Insufficient Cure Under the Condition of High Irradiance and Short Irradiation Time. *Dent Mater.* 2009, Mar; 25(3):283-9. [*Dental materials : official publication of the Academy of Dental Materials*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Fernandes, V. C., Albergaria, J. T., Oliva-Teles, T., Delerue-Matos, C., and De Marco, P. (Dual Augmentation for Aerobic Bioremediation of Mtbe and Tce Pollution in Heavy Metal-Contaminated Soil. *Biodegradation.* 2009, Jun; 20(3):375-82. [*Biodegradation*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Fisk, A. T., Cymbalisty, C. D., Tomy, G. T., and Muir, D. C. G. (1998). Dietary Accumulation and Depuration of Individual C10-, C11- and C14-Polychlorinated Alkanes by Juvenile Rainbow Trout (*Oncorhynchus Mykiss*). *Aquat.Toxicol.* 43: 209-221.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Focazio, M. J., Kolpin, D. W., Barnes, K. K., Furlong, E. T., Meyer, M. T., Zaugg, S. D., Barber, L. B., and Thurman, M. E. (A National Reconnaissance for Pharmaceuticals and Other Organic Wastewater Contaminants in the United States--Ii) Untreated Drinking Water Sources. *Sci Total Environ.* 2008, Sep 1; 402(2-3):201-16. [*The Science of the total environment*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Fogarty, L. R. and Duris, J. W. (Screening for the Pesticides Atrazine, Chlorpyrifos, Diazinon, Metolachlor, and Simazine in Selected Michigan Streams, March-November 2005. *Govt Reports Announcements & Index (GRA&I), Issue 14, 2008.*
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Foppen, J. W., Van Herwerden, M., and Schijven, J. (Transport of Escherichia Coli in Saturated Porous Media: Dual Mode Deposition and Intra-Population Heterogeneity. *Water Res.* 2007, Apr; 41(8):1743-53. [*Water research*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Fox, G. A., Pulijala, S. H., and Sabbagh, G. J. (Influence of Rainfall Distribution on Simulations of Atrazine, Metolachlor, and Isoxaflutole/Metabolite Transport in Subsurface Drained Fields. *J Agric Food Chem.* 2007, Jul 11; 55(14):5399-407. [*Journal of agricultural and food chemistry*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Fox, J. E., Starcevic, M., Jones, P. E., Burow, M. E., and McLachlan, J. A. (2004). Phytoestrogen Signaling and Symbiotic Gene Activation are Disrupted by Endocrine-Disrupting Chemicals. *Environ.Health Perspect.* 112: 672-677.
Chem Codes: Chemical of Concern:
 PAH,PCB,NYP,VCL,ACO,ACR,MTL,ATZ,TFN,PDM,24D,DZ,CBF,DLD,DDT,PCP,MP,HCCH,DCF,M
 LN,TXP,MTPN,ES,MXC,AND Code: BACTERIA.
- Fox, J. E., Starcevic, M., Jones, P. E., Burow, M. E., and McLachlan, J. A. (2004). Phytoestrogen Signaling and Symbiotic Gene Activation Are Disrupted by Endocrine-Disrupting Chemicals. *Environ.Health Perspect.*

112: 672-677.

Chem Codes: Chemical of Concern:

PAH,PCB,NYP,VCL,ACO,ACR,MTL,ATZ,TFN,PDM,24D,DZ,CBF,DLD,DDT,PCP,MP,HCCH,DCF,M
LN,TXP,MTPN,ES,MXC,AND Code: BACTERIA.

Freitas, Luciana Gomides (2005). Herbicide losses to surface waters in a small agricultural catchment: Spatial and temporal variability and influence of substance properties. UMI# C821947.

Chem Codes: Chemical of Concern: MTL Code: FATE.

Freitas, Luciana Gomides, Singer, Heinz, Mnller, Stephan R., Schwarzenbach, Ren0 P., and Stamm, Christian (2008). Source area effects on herbicide losses to surface waters--A case study in the Swiss Plateau. *Agriculture, Ecosystems & Environment* 128: 177-184.

Chem Codes: Chemical of Concern: MTL Code: FATE.

Frequez, P. R., Keller, D. C., and Hathcock, C. D. (Bird Surveys at Darht Before and During Operations: Comparison of Species Abundance and Composition and Trace Element Uptake. *Govt Reports Announcements & Index (GRA&I), Issue 10, 2008.*

Chem Codes: Chemical of Concern: MTL Code: SURVEY.

Frick, E. A. and Dalton, M. S. (2007). Alachlor and Two Degradates of Alachlor in Ground and Surface Water, Southwestern Georgia and Adjacent Parts of Alabama and Florida, 1993-2005. [np].

Chem Codes: Chemical of Concern: MTL Code: FATE.

Friday, D., Shrewsbury, M., Deibert, S., and Peterson, G. W. (Residual Life Indicator (Rli) for Physical Adsorption Capacity of Nuclear, Biological, and Chemical Filters. Part 3. A Novel Rli Design for Collective Protection Demonstrated Using Breakthrough and Chemical Pulse Data. *Govt Reports Announcements & Index (GRA&I), Issue 09, 2009.*

Chem Codes: Chemical of Concern: MTL Code: FATE.

Fu, H. H. and Luan, S. (1998). Atkup1: a Dual-Affinity K⁺ Transporter From Arabidopsis. *The Plant Cell.* 10: 63-73.

Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.

Fukuyama, A. K., Shigenaka, G., and Hoff, R. Z. (2000). Effects of Residual Exxon Valdez Oil on Intertidal Protothaca Staminea: Mortality, Growth, and Bioaccumulation of Hydrocarbons in Transplanted Clams. *Mar.Pollut.Bull.* 40: 1042-1050.

Chem Codes: Chemical of Concern: PAH,NAPH,FLU,PHE,FA,CHR,BAP Code: SURVEY.

Gagnaire, B., Gay, M., Huvet, A., Daniel, J. Y., Saulnier, D., and Renault, T. (2007). Combination of a Pesticide Exposure and a Bacterial Challenge: In Vivo Effects on Immune Response of Pacific Oyster, Crassostrea gigas (Thunberg). *Aquat.Toxicol.* 84: 92-102.

Chem Codes: Chemical of Concern: CBL,DU,TBZ,FSTAL,MTL,ACR,GYP,ATZ Code: MIXTURE .

Gagnaire, B., Gay, M., Huvet, A., Daniel, J. Y., Saulnier, D., and Renault, T. (2007). Combination of a Pesticide Exposure and a Bacterial Challenge: in Vivo Effects on Immune Response of Pacific Oyster, Crassostrea Gigas (Thunberg). *Aquat.Toxicol.* 84: 92-102.

Chem Codes: Chemical of Concern: CBL,DU,TBZ,FSTAL,MTL,ACR,GYP,ATZ Code: MIXTURE.

Gagnaire, B., Thomas-Guyon, H., Burgeot, Th., and Renault, T. (2006). Pollutant Effects on Pacific Oyster, Crassostrea Gigas (Thunberg), Hemocytes: Screening of 23 Molecules Using Flow Cytometry. *Cell Biol.Toxicol.* 22: 1-14.

Chem Codes: Chemical of Concern:

PAH,PYR,PHE,ANT,PCB,ACR,MTL,ATZ,GYP,DU,24DXY,DDT,CBF,CHD,DLD,CBL,CTN,PCP
Code: IN VITRO.

- Gamble, D. S. (Herbicide Sorption by Immersed Soils: Stoichiometry and the Law of Mass Action in Support of Predictive Kinetics. *Environ Sci Technol.* 2009, Mar 15; 43(6):1930-4. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Gardner, J. G. and Nelson, G. C. (2008). Herbicides, Glyphosate Resistance and Acute Mammalian Toxicity: Simulating an Environmental Effect of Glyphosate-Resistant Weeds in the USA. *Pest Manag.Sci.* 64: 470-478.
Chem Codes: Chemical of Concern: PMT,MTC,FSF,ATZ,GYP,GYP2 Code: MODELING.
- Gardner, J. G. and Nelson, G. C. (2008). Herbicides, Glyphosate Resistance and Acute Mammalian Toxicity: Simulating an Environmental Effect of Glyphosate-Resistant Weeds in the Usa. *Pest Manag.Sci.* 64: 470-478.
Chem Codes: Chemical of Concern: PMT,MTC,FSF,ATZ,GYP,GYP2 Code: MODELING.
- Gaynor, J. D., MacTavish, D. C., and Hamill, A. S. (1992). Gc/Msd Detection of the Metabolic Residues of Metolachlor in Tomato Fruit. *Chromatographia* 33: 147-150.
Chem Codes: Chemical of Concern: MTL Code: METABOLISM/NO DURATION.
- Gaynor, J. D. MacTavish D. C. and Findlay, W. I. (1995). Organic Chemicals in the Environment: Atrazine and Metolachlor Loss in Surface and Subsurface Runoff From Three Tillage Treatments in Corn. *J.Environ.Qual.* 24: 246-256.
Chem Codes: Chemical of Concern: Se,ATZ,MTL Code: SURVEY.
- Gej, B. (1976). Physiological Characteristics of Individual Lettuce Leaves in Simazine-Treated Plants (Charakterystyka Fizjologiczna Poszczegolnych Lisci Salaty Traktowanej Symazyna). *Rocz.Nauk Roln.Ser.A Prod.Rosl.* 101: 7-19 (POL) (ENG ABS).
Chem Codes: Chemical of Concern: SZ Code: NON-ENGLISH.
- Genter, R. B. (1987). Altered Abundance of Algal-Periphyton Taxa in Response to Individual and Combined Treatments of Zinc and Phosphate. *North American Benthological Society Meeting* 57 (ABS No.22).
Chem Codes: Chemical of Concern: Zn Code: ABSTRACT.
- George, T. K., Waite, D., Liber, K., and Sproull, J. (2003). Toxicity of a Complex Mixture of Atmospherically Transported Pesticides to Ceriodaphnia Dubia. *Environ.Monit.Assess.* 85: 309-326.
Chem Codes: Chemical of Concern: Se,ATZ,MTL Code: MIXTURE.
- Gervais, G., Brosillon, S., Laplanche, A., and Helen, C. (1972). Ultra-Pressure Liquid Chromatography-Electrospray Tandem Mass Spectrometry for Multiresidue Determination of Pesticides in Water. *J Chromatogr A.* 2008, Aug 22 1202: A].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Gish, T. J., Prueger, J. H., Kustas, W. P., Daughtry, C. S., Mckee, L. G., Russ, A., and Hatfield, J. L. (Soil Moisture and Metolachlor Volatilization Observations Over Three Years. *J Environ Qual.* 2009 Sep-Oct; 38(5):1785-95. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Goldstein, R. M., Schalk, C. W., and Kempf, J. P. (Primary Productivity in Meduxnekeag River, Maine, 2005. Scientific Investigations Report 2009-5029. *Govt Reports Announcements & Index (GRA&I), Issue 18,* 2009.
Chem Codes: Chemical of Concern: MTL Code: SURVEY.
- Gomaa, E. A. A., Belal, M. H., and Ashour, M. B. (1979). Influence of Temik (Aldicarb) on Herbicide Persistence in Cultivated Cotton Field Soil Under Field Conditions. *Bull.Environ.Contam.Toxicol.* 22: 717-725.
Chem Codes: Chemical of Concern: ADC,MTL Code: FATE/NO EFFECT.

- Gomaa, E. A. A., Belal, M. H., and Ashour, M. B. (1979). Influence of Temik (Aldicarb) on Herbicide Persistence in Cultivated Cotton Field Soil Under Field Conditions. *Bull.Environ.Contam.Toxicol.* 22: 717-725.
Chem Codes: Chemical of Concern: ADC,MTL Code: FATE/NO EFFECT.
- Gomez, J., De Gracia, M., Ayesa, E., and Garcia-Heras, J. L. (Mathematical Modelling of Autothermal Thermophilic Aerobic Digesters. *Water Res.* 2007, Mar; 41(5):959-68. [*Water research*].
Chem Codes: Chemical of Concern: MTL Code: MODELING/BACTERIA.
- Goodbred, S. L., Gilliom, R. J., Gross, T. S., Denslow, N. P., Bryant, W. L., and Schoeb, T. R. (1996). Reconnaissance of 17beta-Estradiol, 11-Ketotestosterone, Vitellogenin, and Gonad Histopathology in Common Carp of United States Streams: Potential for Contaminant-Induced Endocrine Disruption. *Report 96-627, U.S Geological Survey, Washington, DC* 60 p.
Chem Codes: Chemical of Concern: TFN,TRL,TXP,TBC,TBO,TRB,SZ,PPX,PPG,PPN,PCH,PRO,PCB,PRT,PDM,PEB,PRN,MXC,OYZ,DDT,NPP,MRX,MBZ,MTL,MP,MCB,DEAL,ACR,ADC,AND,ATZ,AZ,BFL,CBL,CBF,CPY,CPMR,CZE,DCP,A,DZ,DLD,DMT,DS,EN,EPTC,EFL,EP,HPT,HCCH,ATZ,MLN Code: NO DURATION/SEDIMENT CONC/SURVEY.
- Goody, D. C., Mathias, S. A., Harrison, I., Lapworth, D. J., and Kim, A. W. (The Significance of Colloids in the Transport of Pesticides Through Chalk. *Sci Total Environ.* 2007, Oct 15; 385(1-3):262-71. [*The Science of the total environment*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Goswami, J., Pandey, R. K., Tewari, J. P., and Goswami, B. K. (1940). Management of Root Knot Nematode on Tomato Through Application of Fungal Antagonists, Acremonium Strictum and Trichoderma Harzianum. *J Environ Sci Health B.* 2008 Mar-Apr 43: Part. B, Pesticides, food contaminants, and agricultural wastes].
Chem Codes: Chemical of Concern: MTL Code: BIOLOGICAL TOXICANT.
- Graybill, E. R., Rouhier, M. F., Kirby, C. E., and Hawes, J. W. (Functional Comparison of Citrate Synthase Isoforms From *S. Cerevisiae*. *Arch Biochem Biophys.* 2007, Sep 1; 465(1):26-37. [*Archives of biochemistry and biophysics*].
Chem Codes: Chemical of Concern: MTL Code: YEAST.
- Griggs, J. L. and Belden, L. K. (2008). Effects of Atrazine and Metolachlor on the Survivorship and Infectivity of *Echinostoma trivolvis* Trematode Cercariae. *Arch.Environ.Contam.Toxicol.* 54: 195-202.
Chem Codes: Chemical of Concern: ATZ,MTL Code: MIXTURE.
- Griggs, J. L. and Belden, L. K. (2008). Effects of Atrazine and Metolachlor on the Survivorship and Infectivity of *Echinostoma Trivolvis* Trematode Cercariae. *Arch.Environ.Contam.Toxicol.* 54: 195-202.
Chem Codes: Chemical of Concern: ATZ,MTL Code: MIXTURE.
- Gringof, I. G., Nishankhodzhaeva, S. A., and Izrael, Y. (1979). Residual Quantities of Some Pesticides in Model Systems. *Izuch.Zagryaz.Okruzh.Prir.Sredy Ego Vliyaniya Biosferu, Mater.Sovesch.Proektu No.14 MAB YuNESKO* 37-41 (RUS).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Grover, B. D., Eatough, N. L., Woolwine, W. R., Eatough, D. J., and Cary, R. A. (Modifications to the Sunset Laboratory Carbon Aerosol Monitor for the Simultaneous Measurement of Pm2.5 Nonvolatile and Semi-Volatile Carbonaceous Material. *J Air Waste Manag Assoc.* 2009, Aug; 59(8):1007-17. [*Journal of the Air & Waste Management Association* (1995)].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Guizzetti, Stefania, Benaglia, Maurizio, Cozzi, Franco, and Annunziata, Rita (2009-). Chiral Lewis base promoted trichlorosilane reduction of ketimines. An enantioselective organocatalytic synthesis of chiral amines. *Tetrahedron* 65: 6354-6363.

Chem Codes: Chemical of Concern: MTL Code : CHEM METHODS.

Gunasekara, A. S., Dela Cruz, I. D., Curtis, M. J., Claassen, V. P., and Tjeerdema, R. S. (The Behavior of Clomazone in the Soil Environment. *Pest Manag Sci.* 2009, Jun; 65(6):711-6. [*Pest management science*].
Chem Codes: Chemical of Concern: MTL Code: FATE.

Gundacker, C., Wittmann, K. J., Kukuckova, M., Komarnicki, G., Hikkel, I., and Gencik, M. (Genetic Background of Lead and Mercury Metabolism in a Group of Medical Students in Austria. *Environ Res.* 2009, Aug; 109(6):786-96. [*Environmental research*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Gupta, J. C. (1978). Effect of Residual Sodium Carbonate in Irrigation Waters on Soil Properties and Crop Growth. *Annu.Rep.Central Soil Salinity Res.Inst.(CSSRI), Karnal, India* 17.
Chem Codes : Chemical of Concern: MTL Code: MIXTURE.

Gupta, V. K., Gupta, A. P., and Raj, H. (1983). Micronutrient Contents and Yield of Lentil and Maize as Influenced by Direct and Residual Application of Organic Manure and Zinc. *Indian J.Agric.Sci.* 53: 826-830.
Chem Codes: Chemical of Concern: MTL Code: NO TOX DATA.

HØ, Nning, J., Broholm, M. M., and Bjerg, P. L. (Role of Diffusion in Chemical Oxidation of Pce in a Dual Permeability System. *Environ Sci Technol.* 2007, Dec 15; 41(24):8426-32. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.

Ha, J. H. and Ong, S. K. (Nitrification and Denitrification in Partially Aerated Biological Aerated Filter (Baf) With Dual Size Sand Media. *Water Sci Technol.* 2007; 55(1-2):9-17. [*Water science and technology : a journal of the International Association on Water Pollution Research*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Haldar, C. and Sarkar, R. (1997). Reproductive Phase Dependent Effects of Dietary L-Tryptophan on Biochemical Constituents of Pineal Gland in Male Indian Palm Squirrel, *Funambulus Pennanti*. *Indian J.Exp.Biol.* 5.
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.

Hancock, T. C., Sandstrom, M. W., Vogel, J. R., Webb, R. M., Bayless, E. R., and Barbash, J. E. (Pesticide Fate and Transport Throughout Unsaturated Zones in Five Agricultural Settings, Usa. *J Environ Qual.* 2008 May-Jun; 37(3):1086-100. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.

Hardisty, J. F., Anderson, D. C., Brodie, S., Cline, J. M., Hahn, F. F., Kolenda-Roberts, H., Lele, S. M., and Lowenstine, L. J. (Histopathology of the Urinary Bladders of Cynomolgus Monkeys Treated With Ppar Agonists. *Toxicol Pathol.* 2008; 36(6):769-76. [*Toxicologic pathology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Harrison, D. D., Miller, C. I., and Crews, R. C. (1979). Residual Levels of 2,3,7,8-Tetrachlorodibenzo-P-Dioxin (Tcdd) Near Herbicide Storage and Loading Areas at Eglin Afb, Florida. *AFATL-TR-79-20 or ADA078819, NTIS, Springfield, VA.*
Chem Codes: Chemical of Concern: TCDD Code: SURVEY.

Haseman, J. K., Winbush, J. S., and O'Donnell, M. W. Jr. (1986). Use of Dual Control Groups to Estimate False Positive Rates in Laboratory Animal Carcinogenicity Studies. *Fundam.Appl.Toxicol.* 7: 573-584.
Chem Codes: Chemical of Concern: MTL Code: NO CONC.

Hatakeyama, S. and Shiraishi, H. (1994). Assessment of Residual Fenthion in Sediment Based on Growth Inhibition and Mortality of a Freshwater Shrimp, *Paratya Compressa Improvisa*. *Chemosphere* 29: 819-826 .
Chem Codes: Chemical of Concern: MTL Code: SEDIMENT/SEDIMENT CONC.

- Hatch, R. C., Clark, J. D., Jain, A. V., and Weiss, R. (1982). Induced Acute Aflatoxicosis in Goats: Treatment With Activated Charcoal or Dual Combinations of Oxytetracycline, Stanozolol, and Activated Charcoal. *Am.J.Vet.Res.* 43: 644-648.
Chem Codes: Chemical of Concern: OXT Code: NO TOX DATA.
- Hatton, P. J., Cummins, I., Cole, D. J., and Edwards, R. (1999). Glutathione Transferases Involved in Herbicide Detoxification in the Leaves of *Setaria faberi* (Giant Foxtail). *Physiol.Plant.* 105: 9-16.
Chem Codes: Chemical of Concern: ACR,ATZ,MTL Code: IN VITRO.
- He, Z., Marron, C. A., Chin, Y. P., and Weavers, L. K. (2008). Photodegradation of Ciprofloxacin and Metolachlor in Natural and Constructed Wetlands.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Head, J. A., Trudeau, V. L., and Kennedy, S. W. (2003). Variation in Cytochrome P4501a Mrna Inducibility Among Individual Chickens and Herring Gulls. *Organohalogen Compounds* 64: 403-406.
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Hellmold, H., Zhang, H., Andersson, U., Blomgren, B., Holland, T., Berg, A. L., Elebring, M., SjÖ, Gren, N., Bamberg, K., Dahl, B., Westerberg, R., Dillner, B., Tugwood, J., Tugwood, J., Roberts, R., Lundholm, E., Camejo, G., Sk&Arling, Nberg, I., and Evans, J. (Tesaglitazar, a Pparalpha/Gamma Agonist, Induces Interstitial Mesenchymal Cell Dna Synthesis and Fibrosarcomas in Subcutaneous Tissues in Rats. *Toxicol Sci.* 2007, Jul; 98(1):63-74. [*Toxicological sciences : an official journal of the Society of Toxicology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Henderson, R. K., Baker, A., Murphy, K. R., Hambly, A., Stuetz, R. M., and Khan, S. J. (Fluorescence as a Potential Monitoring Tool for Recycled Water Systems: a Review. *Water Res.* 2009, Mar; 43(4):863-81. [*Water research*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Henderson, T. J. and Cullinan, D. B. (Characterization of Chemical Weapons Convention Schedule 3 Compounds by Quantitative ¹³C Nmr Spectroscopy. *Govt Reports Announcements & Index (GRA&I), Issue 08, 2008.*
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Herman, R. A., Scherer, P. N., Young, D. L., Mihaliak, C. A., Meade, T., Woodsworth, A. T., Stockhoff, B. A., and Narva, K. E. (2002). Binary Insecticidal Crystal Protein From *Bacillus Thuringiensis*, Strain Ps149b1: Effects of Individual Protein Components and Mixtures in Laboratory Bioassays. *J.Econ.Entomol.* 95: 635-639.
Chem Codes: Chemical of Concern: MTL Code: BIOLOGICAL TOXICANT.
- Hildebrandt, A., GuillaumÓ, N. M., Lacorte, S., Tauler, R., BarcelÓ, and D (Impact of Pesticides Used in Agriculture and Vineyards to Surface and Groundwater Quality (North Spain). *Water Res.* 2008, Jul; 42(13):3315-26. [*Water research*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Hinesly, T. D., Ziegler, E. L., and Barrett, G. L. (1979). Residual Effects of Irrigating Corn With Digested Sewage Sludge. *J.Environ.Qual.* 8: 35-38.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Hladik, Michelle L. (2006). Occurrence of neutral chloroacetamide herbicide degradates in natural waters and their removal during drinking water treatment. UMI# 3197168.
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Hladik, Michelle L., Bouwer, Edward J., and Roberts, A. Lynn (2008). Neutral degradates of chloroacetamide herbicides: Occurrence in drinking water and removal during conventional water treatment. *Water Research* 42: 4905-4914.

- Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Hodgson, S., Thomas, L., Fattore, E., Lind, P. M., Alfven, T., HellstrÖ, M, L., HÅ, Kansson, H., Carubelli, G., Fanelli, R. , and Jarup, L. (Bone Mineral Density Changes in Relation to Environmental Pcb Exposure. *Environ Health Perspect.* 2008, Sep; 116(9):1162-6. [*Environmental health perspectives*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Hoffmann, G. and Kunze, D. (1988). Measurement of the Uptake of Heavy Metals in Soil Cultures From Baden-Wuerttemberg and Their Effects on Agricultural Plants Adapted to Them (Ausmass Und Ursachen Unterschiedlicher Schwermetallgehalte in Kulturboden Von Baden-Wurttemberg Und Deren Auswirkung Auf Landwirtschaftliche Kulturpflanzen Einschliesslich Geeigneter Abhilfemassnahmen). *Bundesminist.Forsch.Technol.* 110-123 (GER) (ENG ABS).
Chem Codes: Chemical of Concern: Cr,Cd,Pb,Zn,Ni Code: NON-ENGLISH.
- Holiday, A. D. and Hardin, D. P. (1980). Activated Carbon Treatment of Pesticide Containing Water. *Chem.Eng.* :6 p.
Chem Codes: Chemical of Concern: 24DXY,TBO,PRT,MLN,MTL,CBL,ATZ Code: NO SPECIES.
- Holiday, A. D. and Hardin, D. P. (1980). Activated Carbon Treatment of Pesticide Containing Water. *Chem.Eng.* :6 p.
Chem Codes: Chemical of Concern: 24DXY,TBO,PRT,MLN,MTL,CBL,ATZ Code: NO SPECIES.
- Hong, S. B., Kim, G. S., Jung, Y. G., and Lee, J. H. (The Determination of Ambient Formaldehyde Using a Dual Coil System and an Assessment of Dominant Factors That Influence Its Abundance in Korea. *Environ Monit Assess.* 2008, Mar; 138(1-3):1-15. [*Environmental monitoring and assessment*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Horowitz, M. (1976). Bioassay Techniques for Foliar-Applied Herbicides. *Residue Rev.* 61: 113-123.
Chem Codes: Chemical of Concern: AMTL,PAQT,24D,PCL Code: REVIEW.
- Hsieh, C. H., Rau, C. S., Hsieh, M. W., Chen, Y. C., Jeng, S. F., Lu, T. H., and Chen, S. S. (Simvastatin-Induced Heme Oxygenase-1 Increases Apoptosis of Neuro 2a Cells in Response to Glucose Deprivation. *Toxicol Sci.* 2008, Jan; 101(1):112-21. [*Toxicological sciences : an official journal of the Society of Toxicology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Huang, B., Xiao, H., Zhang, J., Zhang, L., Yang, H., Zhang, Y., and Jin, J. (Dual-Label Time-Resolved Fluoroimmunoassay for Simultaneous Detection of Aflatoxin B1 and Ochratoxin a. *Arch Toxicol.* 2009, Jun; 83(6):619-24. [*Archives of toxicology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Huang, H., Zhang, S., Chen, H., and Wang, Z. (1999). Studies on Toxicity of Residual Chlorine to Larvae of Rhabdosargus Sarba and Sparus Macrocephalus in Daya Bay. *Trop.Oceanol.(Redai Haiyang)* 18: 38-44(CHI)(ENG ABS).
Chem Codes: Chemical of Concern: Cl Code: NON-ENGLISH.
- Huang, S. B., Mayer, T. J., and Yokley, R. A. (Direct Aqueous Injection Lc-Esi/Ms/Ms Analysis of Water for 11 Chloro- and Thiomethyltriazines and Metolachlor and Its Ethanesulfonic and Oxanilic Acid Degradates. *J Agric Food Chem.* 2008, Apr 23; 56(8):2595-602. [*Journal of agricultural and food chemistry*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Huet, A. C., Charlier, C., Singh, G., Godefroy, S. B., Leivo, J., VehniÄ, Inen, M., Nielen, M. W., Weigel, S., and Delahaut, P. (Development of an Optical Surface Plasmon Resonance Biosensor Assay for (Fluoro)Quinolones in Egg, Fish, and Poultry Meat. *Anal Chim Acta.* 2008, Aug 15; 623(2):195-203. [*Analytica chimica acta*].
Chem Codes: Chemical of Concern: MTL Code: FOOD.

- Huntscha, S., Singer, H., Canonica, S., Schwarzenbach, R. P., and Fennert, K. (Input Dynamics and Fate in Surface Water of the Herbicide Metolachlor and of Its Highly Mobile Transformation Product Metolachlor. *Environ Sci Technol.* 2008, Aug 1; 42(15):5507-13. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Hutchinson, P. J. S. (2007). A Comparison of Flumioxazin and Rimsulfuron Tank Mixtures for Weed Control in Potato. *Weed Technology* 21 : 1023-1028.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Hyne, R. V. and Aistrophe, M. (Calibration and Field Application of a Solvent-Based Cellulose Membrane Passive Sampling Device for the Monitoring of Polar Herbicides. *Chemosphere.* 2008, Mar; 71(4):611-20. [*Chemosphere*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Igarashi, A., Ohtsu, S., Muroi, M., and Tanamoto, K. (2006). Effects of Possible Endocrine Disrupting Chemicals on Bacterial Component-Induced Activation of Nf-Kb. *Biol.Pharm.Bull.* 29: 2120-2122.
Chem Codes: Chemical of Concern:
ACR,ADC,AMTL,ATZ,BMY,CBL,24D,24DC,MLN,MOM,MXC,MBZ,PCP,PMR,SZ,TFN,VCZ,Ziram
Code: IN VITRO.
- Igoudjil, A., Massart, J., Begriche, K., Descatoire, V., Robin, M. A., and Fromenty, B. (High Concentrations of Stavudine Impair Fatty Acid Oxidation Without Depleting Mitochondrial Dna in Cultured Rat Hepatocytes. *Toxicol In Vitro.* 2008, Jun; 22(4):887-98. [*Toxicology in vitro : an international journal published in association with BIBRA*].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Ikema, N., Shiroma, I., Omija, T., Shimoji, K., and Miyagi, T. (1983). Residual Effects of Mep on Aquatic Environment After Aerial and Earthly Control for Pine Bark Beetle. *Annu.Rep.Okinawa Perfectural Inst.Public Health* 17: 37-43 (JPN).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Ikema, N., Shiroma, I., Omija, T., Shimoji, K., and Miyagi, T. (1985). Residual Effects of Mep on Aquatic Environment After Aerial Spray on to Pine Bark Beetle (Part Iii). *Annu.Rep.Okinawa Perfectural Inst.Public Health* 19: 59-62 (JPN) (ENG ABS).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Ikema, N., Shiroma, I., Omija, T., Shimoji, K., Miyagi, T., and Oyama, M. (1985). Residual Effects of Mep on Aquatic Environment After Aerial Control for Pine Bark Beetle (Part Ii). *Annu.Rep.Okinawa Perfectural Inst.Public Health* 18: 87-90 (JPN).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Imamura, H. (1987). Environmental Toxicity of Low Residual Chemical Substances. *Kankyo Gijutsu* 16: 287-292.
Chem Codes: Chemical of Concern: MTL Code: REVIEW.
- Ishaya, D. B., Tunku, P., and Yahaya, M. S. (2008). Effect of Pre-Emergence Herbicide Mixtures on Cowpea (*Vigna Unguiculata* (L.) Walp) at Samaru, in Northern Nigeria. *Crop Protection* 27 : 1105-1109.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Isidori, M., Bellotta, M., Cangiano, M., and Parrella, A. (Estrogenic Activity of Pharmaceuticals in the Aquatic Environment. *Environ Int.* 2009, Jul; 35(5):826-9. [*Environment international*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Jaworska, J. S., Rose, K. A., and Brenkert, A. L. (1997). Individual-Based Modeling of Pcb Effects on Young-of-the-Year Largemouth Bass in Southeastern Usa Reservoirs. *Ecol.Model.* 99: 113-135.
Chem Codes: Chemical of Concern: PCB Code: MODELING/REFS CHECKED/REVIEW.

- Jecklin, M. C., Gamez, G., Touboul, D., and Zenobi, R. (Atmospheric Pressure Glow Discharge Desorption Mass Spectrometry for Rapid Screening of Pesticides in Food. *Rapid Commun Mass Spectrom.* 2008, Sep; 22(18):2791-8. [*Rapid communications in mass spectrometry : RCM*].
Chem Codes: Chemical of Concern: MTL Code: FOOD.
- Jeffree, R. A., Warnau, M., Teyssie, J. L., and Markich, S. J. (2006). Comparison of the Bioaccumulation From Seawater and Depuration of Heavy Metals and Radionuclides in the Spotted Dogfish *Scyliorhinus Canicula* (Chondrichthys) and the Turbot Psetta Maxima (Actinopterygii: Teleostei) . *Sci.Total Environ.* 368: 839-852.
Chem Codes: Chemical of Concern: Cd,Co,Cr,Mn,Zn Code: MIXTURE.
- Jeon, J. R., Murugesan, K., Kim, Y. M., Kim, E. J., and Chang, Y. S. (Synergistic Effect of Laccase Mediators on Pentachlorophenol Removal by Ganoderma Lucidum Laccase. *Appl Microbiol Biotechnol.* 2008, Dec; 81(4):783-90. [*Applied microbiology and biotechnology*].
Chem Codes: Chemical of Concern: MTL Code: NO EFFECT.
- Jiang, Y., Wen, J., Lan, L., and Hu, Z. (Biodegradation of Phenol and 4-Chlorophenol by the Yeast Candida Tropicalis. *Biodegradation.* 2007, Dec; 18(6):719-29. [*Biodegradation*].
Chem Codes: Chemical of Concern: MTL Code: YEAST.
- Johnson, D. L. (A First Generation Dynamic Ingress, Redistribution and Transport Model of Soil Track-in: Dirt. *Environ Geochem Health.* 2008, Dec; 30(6):589-96. [*Environmental geochemistry and health*].
Chem Codes: Chemical of Concern: MTL Code : NO TOX DATA.
- Johnson, K. E., Knopper, L. D., Schneider, D. C. , Ollson, C. A., and Reimer, K. J. (Effects of Local Point Source Polychlorinated Biphenyl (Pcb) Contamination on Bone Mineral Density in Deer Mice (Peromyscus maniculatus). *Sci Total Environ.* 2009, Sep 1; 407(18):5050-5. [*The Science of the total environment*].
Chem Codes: Chemical of Concern: MTL Code: SURVEY.
- Johnson, M. S. and Eaton, J. W. (1980). Environmental Contamination Through Residual Trace Metal Dispersal From a Derelict Lead-Zinc Mine. *J.Environ.Qual.* 9: 175-179.
Chem Codes: Chemical of Concern: Pb Code: MIXTURE.
- Johnson, R. L. and Simon, M. A. (Evaluation of Groundwater Flow Patterns Around a Dual-Screened Groundwater Circulation Well. *J Contam Hydrol.* 2007, Aug 15; 93(1-4):188-202. [*Journal of contaminant hydrology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Jones, H., Visoottiviseth, P., Bux, M. K., FÖ, DÉ, Nyi, R., KovÁ, Ts, N., BorbÉ, Ly, G., GalbÁ, and Cs, Z. (Case Reports: Arsenic Pollution in Thailand, Bangladesh, and Hungary. *Rev Environ Contam Toxicol.* 2008; 197:163-87. [*Reviews of environmental contamination and toxicology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Jong, W. S., Ten Hagen-Jongman, C. M., Den Blaauwen, T., Slotboom, D. J., Tame, J. R., WickstrÖ, M, D., De Gier, J. W., Otto, B. R., and Luirink, J. (Limited Tolerance Towards Folded Elements During Secretion of the Autotransporter Hbp. *Mol Microbiol.* 2007, Mar; 63(5):1524-36. [*Molecular microbiology*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Julshamn, K., Andersen, A., Ringdal, O., and Morkore, J. (1987). Trace Elements Intake in the Faroe Islands I. Element Levels in Edible Parts of Pilot Whales (Globicephalus Meleanus). *Sci.Total Environ.* 65: 53-62.
Chem Codes: Chemical of Concern: Se Code: NO CONC/NO DURATION/SURVEY.
- Kakiuchi-Kiyota, S., Vetro, J. A., Suzuki, S., Varney, M. L., Han, H. Y., Nascimento, M., Pennington, K. L., Arnold, L. L., Singh, R. K., and Cohen, S. M. (Effects of the Ppargamma Agonist Troglitazone on Endothelial Cells in Vivo and in Vitro: Differences Between Human and Mouse. *Toxicol Appl Pharmacol.* 2009, May 15; 237(1):83-90. [*Toxicology and applied pharmacology*].

- Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Kale, V. M., Miranda, S. R., Wilbanks, M. S., and Meyer, S. A. (Comparative Cytotoxicity of Alachlor, Acetochlor, and Metolachlor Herbicides in Isolated Rat and Cryopreserved Human Hepatocytes. *J Biochem Mol Toxicol.* 2008, Feb; 22(1):41-50. [*Journal of biochemical and molecular toxicology*].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Kana, A. (2007). Quantitative structure-activity relationship: Prediction of anaerobic transformation of chloroacetanilide herbicides. UMI# 1445920.
Chem Codes: Chemical of Concern: MTL Code: QSAR.
- Kanayama, T., Kobayashi, N., Marniya, S., Nakanishi, T., and Nishikawa, J. I. (2005). Organotin Compounds Promote Adipocyte Differentiation as Agonists of the Peroxisome Proliferator-Activated Receptor Gamma/Retinoid X Receptor Pathway. *Mol.Pharmacol.* 67: 766-774.
Chem Codes: Chemical of Concern: HCCH,MXC,ADC,BAP,TBT,NYP,24DC,DCF,MLN,TFN,AMTL,PCP,ACR,SL,24D,PMR,Ziram,MZB,Maneb,MOM,CBL,VCZ Code: IN VITRO.
- Kannan, V. and Job, S. V. (1979). Studies on the Residual Levels of Pesticide Pollution in the Sathiar Reservoir. *J.Radioanal.Chem.* 53: 247-253.
Chem Codes: Chemical of Concern: MTL Code: NO CONC/NO DURATION/SURVEY.
- Karacan, C. O. (Swelling-Induced Volumetric Strains Internal to a Stressed Coal Associated With Co2 Sorption. *Govt Reports Announcements & Index (GRA&I), Issue 18, 2008.*
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Kari-Matti, V. (1995). Assessing the Impact of River Pollution Via Individuals, Populations and Guilds of Hydropsychid Caddis Larvae. *Joensuu Yliopiston Luonnontieteellisä Julkaisuja* 32: 5-28 (Published in part as Ecoref #16786,16643).
Chem Codes: Chemical of Concern: Cd,Al Code: MIXTURE/PUBL AS/SURVEY.
- Karim, A. A., Sufha, E. H., and Zaidul, I. S. (Dual Modification of Starch Via Partial Enzymatic Hydrolysis in the Granular State and Subsequent Hydroxypropylation. *J Agric Food Chem.* 2008, Nov 26; 56(22):10901-7. [*Journal of agricultural and food chemistry*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Kashian, D. R. (2002). Reproduction and Development in Daphnia: the Role of Hormones, Pesticides and Detoxification. *Ph.D.Thesis, Univ.of Wisconsin, Madison, WI* 92 p. (UMI#3049341).
Chem Codes: Chemical of Concern: CZE,24D,AMZ,MBZ,ACR,ACO,LNR,PPB,TXP,DDT,PTH,DFZ,MTL Code : PUBL AS.
- Kataoka, M., Toyozumi, H., Yamamoto, A., Ochiai, M., and Horiuchi, Y. (2002). Chinese Hamster Ovary (Cho) Cell Clustering Does Not Correlate With in Vivo Histamine-Sensitization When Measuring Residual Activity of Aldehyde-Treated Pertussis Toxin (Pt). *Biologicals* 30: 297-302.
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Katsura, N. (1985). Herbicides: Vegetable Fields. *Jpn.Pestic.Inf.* 47: 30-32.
Chem Codes: Chemical of Concern: LNR,DQT,PQT,SXD,GFS,ATZ,MTL Code: NO EFFECT.
- Kawahara, T. and Nakamura, T. (1972). Studies on the Residual Organochlorine Pesticides in Crops and Soils. Report Xxi. Absorption and Translocation of Chlorinated Hydrocarbons in Potted Turnips. *Bull.Agric.Chem.Insp.Stn.Jpn.* 12: 52-56 (JPN).
Chem Codes: Chemical of Concern: BHC,EN,DLD Code: NON-ENGLISH.
- Khan, M., Gassman, M., and Haque, R. (1976). Biodegradation of Pesticides. *Chem.Technol.* 6: 62-69.

Chem Codes: Chemical of Concern:

MLO,PCH,HMTL,ATZ,DMT,PPN,MXC,DMT,PRN,MLN,DCTP,DEAC,DLD,PRT,PPX,NCTN,DDT,SZ,CBL,DZ,24DXY Code: FATE.

Khan, M., Gassman, M., and Haque, R. (1976). Biodegradation of Pesticides. *Chem.Technol.* 6: 62-69.

Chem Codes: Chemical of Concern:

MLO,PCH,HMTL,ATZ,DMT,PPN,MXC,DMT,PRN,MLN,DCTP,DEAC,DLD,PRT,PPX,NCTN,DDT,SZ,CBL,DZ,24DXY Code: FATE.

Khardenavis, A. A., Vaidya, A. N., Kumar, M. S., and Chakrabarti, T. (1965). Utilization of Molasses Spentwash for Production of Bioplastics by Waste Activated Sludge. *Waste Manag.* 2009, Sep 29: Y.].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Khummueng, W., Morrison, P., and Marriott, P. J. (Dual Npd/Ecd Detection in Comprehensive Two-Dimensional Gas Chromatography for Multiclass Pesticide Analysis. *J Sep Sci.* 2008, Oct; 31(19):3404-15. [*Journal of separation science*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Klok, C. and De Roos, A. M. (1996). Population Level Consequences of Toxicological Influences on Individual Growth and Reproduction in Lumbricus Rubellus (Lumbricidae, Oligochaeta). *Ecotoxicol.Environ.Saf.* 33: 118-127.

Chem Codes: Chemical of Concern: MTL Code: REFS CHECKED/REVIEW.

KnÖ, Ller, K., Vogt, C., Feisthauer, S., Weise, S. M., Weiss, H., and Richnow, H. H. (Sulfur Cycling and Biodegradation in Contaminated Aquifers: Insights From Stable Isotope Investigations. *Environ Sci Technol.* 2008, Nov 1; 42(21):7807-12. [*Environmental science & technology*].

Chem Codes: Chemical of Concern: MTL Code: BACTERIA.

Knezevic, M., Durkic, M., Knezevic, I., and Loncaric, Z. (2003). Effects of Pre- and Post-Emergence Weed Control on Weed Population and Maize Yield in Different Tillage Systems. *Plant Soil Environ.* 49: 223-229.

Chem Codes: Chemical of Concern: ATZ,MTC,PMSM,BMN,THFM,NSF Code: MIXTURE.

Knight, S. S., Lizotte, R. E., Moore, M. T., Smith, S., and Shields, F. D. (2009). Mississippi Oxbow Lake Sediment Quality During an Artificial Flood. *Bulletin of Environmental Contamination and Toxicology [Bull. Environ. Contam. Toxicol.]*. Vol. 82, no. 4, pp. 496-500. Apr 2009. 82: 496-500.

Chem Codes: Chemical of Concern: MTL Code: EFFLUENT.

Kojima, H., Katsura, E., Takeuchi, S., Niiyama, K., and Kobayashi, K. (2004). Screening for Estrogen and Androgen Receptor Activities in 200 Pesticides by In Vitro Reporter Gene Assays Using Chinese Hamster Ovary Cells. *Environ.Health Perspect.* 112: 524-531.

Chem Codes: Chemical of Concern:

AND,HCCH,Captan,CHD,CTN,DDT,DBN,DCF,DLD,ES,EN,Folpet,HPT,MXC,PCP,ACF,ACFM,DFPM,FZFB,OXF,ACP,ANL,CPY,CPYM,DZ,DDVP,DMT,DS,ETN,FMP,FNT,FNTH,GYP,IFP,MLN,MTM,MDT,MP,PRN,PRT,PHSL,PSM,PIRM,PFF,TBO,TVP,TCM,TCF,CYF,CYH,CYP,DM,EFX,FNV,FYT,FVL,PMR,PYN,TFT,TLM,BCD,BMY,CBL,CBD,CBF,CP,MCB,MOM,MLT,OML,PHMD,PIM,TBC,THM,ACR,ASM,FTL,MLX,MTL,PZM,ANZ,ATZ,MBZ,PRO,PMT,SZ,BSFM,DFZ,DU,LNR,PPN,AMZ,BT,BPH,BTN,DZM,EXQ,FRM,FNZ,ILL,IMC,IPD,MCPA,24D,PAQT,PDM,PCZ,SZD,TBA,TPE,TDF,TFZ,TFN,TFR,VCZ Code: IN VITRO.

Kojima, H., Katsura, E., Takeuchi, S., Niiyama, K., and Kobayashi, K. (2004). Screening for Estrogen and Androgen Receptor Activities in 200 Pesticides by In Vitro Reporter Gene Assays Using Chinese Hamster Ovary Cells. *Environ.Health Perspect.* 112: 524-531.

Chem Codes: Chemical of Concern:

AND,HCCH,Captan,CHD,CTN,DDT,DBN,DCF,DLD,ES,EN,Folpet,HPT,MXC,PCP,ACF,ACFM,DFPM,FZFB,OXF,ACP,ANL,CPY,CPYM,DZ,DDVP,DMT,DS,ETN,FMP,FNT,FNTH,GYP,IFP,MLN,MTM,M

DT,MP,PRN,PRT,PHSL,PSM,PIRM,PFF,TBO,TVP,TCM,TCF,CYF,CYH,CYP,DM,EFX,FNV,FYT,FVL,PMR,PYN,TFT,TLM,BCD,BMY,CBL,CBD,CBF,CP,MCB,MOM,MLT,OML,PHMD,PIM,TBC,THM,ACR,ASM,FTL,MLX,MTL,PZM,ANZ,ATZ,MBZ,PRO,PMT,SZ,BSFM,DFZ,DU,LNR,PPN,AMZ,BT,BPH,BTN,DZM,EXQ,FRM,FNZ,ILL,IMC,IPD,MCPA,24D,PAQT,PDM,PCZ,SZD,TBA,TPE,TDF,TFZ,TFN,TFR,VCZ Code: IN VITRO.

Kolok, A. S., Plaisance, E. P., and Abdelghani, A. (1998). Individual Variation in the Swimming Performance of Fishes: an Overlooked Source of Variation in Toxicity Studies. *Environ.Toxicol.Chem.* 17: 282-285.
Chem Codes: Chemical of Concern: Cd Code: MIXTURE.

Kooijman, S. A. L. and Metz, J. A. J. (1984). On the Dynamics of Chemically Stressed Populations: the Deduction of Population Consequences From Effects on Individuals. *Ecotoxicol.Environ.Saf.* 8: 254-274.
Chem Codes: Chemical of Concern: MTL Code: NO TOX DATA.

KozdrÓ, J. J., Piotrowska-Seget, Z., and Krupa, P. (Mycorrhizal Fungi and Ectomycorrhiza Associated Bacteria Isolated From an Industrial Desert Soil Protect Pine Seedlings Against Cd(Ii) Impact. *Ecotoxicology.* 2007, Aug; 16(6):449-56. [*Ecotoxicology (London, England)*].
Chem Codes: Chemical of Concern: MTL Code: SURVEY.

Kraft, G. J., Browne, B. A., Devita, W. M., and Mechenich, D. J. (Agricultural Pollutant Penetration and Steady State in Thick Aquifers. *Ground Water.* 2008 Jan-Feb; 46(1):41-50. [*Ground water*].
Chem Codes: Chemical of Concern: MTL Code: FATE.

Krutz LJason, Locke Martin A, and Steinriede RWade (2009). Interactions of Tillage and Cover Crop on Water, Sediment, and Pre-Emergence Herbicide Loss in Glyphosate-Resistant Cotton: Implications for the Control of Glyphosate-Resistant Weed Biotypes. *Journal of Environmental Quality [J. Environ. Qual.].* Vol. 38, no. 3, pp. 1240-1247. 2009. 38: 1240-1247.
Chem Codes: Chemical of Concern: MTL Code: FATE.

KubÁ, N. P., PelcovÁ, P, MargetÍ, NovÁ, J, KubÁ, and N, V. (Mercury Speciation by Ce: an Update. *Electrophoresis.* 2009, Jan; 30(1):92-9. [*Electrophoresis*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Kulandaivelu, G. and Gnanam, A. (1975). Effect of Growth Regulators and Herbicides on Photosynthetic Partial Reactions in Isolated Leaf Cells. *Physiol.Plant.* 33: 234-240.
Chem Codes: Chemical of Concern: 24DXY,AMTL,IAA Code: IN VITRO.

Kurt-Karakus, P. B., Bidleman, T. F., Muir, D. C., Cagampan, S. J., Struger, J., Sverko, E., Small, J. M., and Jantunen, L. M. (Chiral Current-Use Herbicides in Ontario Streams. *Environ Sci Technol.* 2008, Nov 15; 42(22):8452-8. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.

Kurt-Karakus, Perihan Binnur, Bidleman, Terry F., Muir, Derek C. G., Struger, John, Sverko, Ed, Cagampan, Steve J., Small, Jeff M., and Jantunen, Liisa M. (Comparison of concentrations and stereoisomer ratios of mecoprop, dichlorprop and metolachlor in Ontario streams, 2006-2007 vs. 2003-2004. *Environmental Pollution* In Press, Corrected Proof.
Chem Codes: Chemical of Concern: MTL Code : FATE.

Kuster, M., LÓ, Pez De Alda, M. J., Barata, C., RaldÚ, A, D., BarcelÓ, and D (Analysis of 17 Polar to Semi-Polar Pesticides in the Ebro River Delta During the Main Growing Season of Rice by Automated on-Line Solid-Phase Extraction-Liquid Chromatography-Tandem Mass Spectrometry. *Talanta.* 2008, Apr 15; 75(2):390-401. [*Talanta*].
Chem Codes: Chemical of Concern: MTL Code: FATE.

Laabs, V., Wehrhan, A., Pinto, A., Dores, E., and Amelung, W. (2007). Pesticide Fate in Tropical Wetlands of

- Brazil: an Aquatic Microcosm Study Under Semi-Field Conditions. *Chemosphere [Chemosphere]*. Vol. 67, no. 5, pp. 975-989. Mar 2007.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Larsbo, M., Fenner, K., Stoob, K., Burkhardt, M., Abbaspour, K., and Stamm, C. (Simulating Sulfadimidine Transport in Surface Runoff and Soil at the Microplot and Field Scale. *J Environ Qual*. 2008 May-Jun; 37(3):788-97. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Larsbo, M., Lapen, D. R., Topp, E., Metcalfe, C., Abbaspour, K. C., and Fenner, K. (Simulation of Pharmaceutical and Personal Care Product Transport to Tile Drains After Biosolids Application. *J Environ Qual*. 2009 May-Jun; 38(3):1274-85. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Latimer, D. L. (1975). The Toxicity of 30-Minute Exposures of Residual Chlorine to the Copepods *Limnocalanus macrurus* and *Cyclops bicuspidatus thomasi*. *M.S.Thesis, Univ.of Wisconsin, Milwaukee, WI* 36 p.
Chem Codes: Chemical of Concern: MTL Code: PUBL AS.
- Le Roy, K., Lammens, W., Van Laere, A., and Van Den Ende, W. (Influencing the Binding Configuration of Sucrose in the Active Sites of Chicory Fructan 1-Exohydrolase and Sugar Beet Fructan 6-Exohydrolase. *New Phytol*. 2008; 178(3):572-80. [*The New phytologist*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Lee, H. 2nd, Reusser, D. A., Olden, J. D., Smith, S. S., Graham, J., Burkett, V., Dukes, J. S., Piorkowski, R. J., and Mcphedran, J. (Integrated Monitoring and Information Systems for Managing Aquatic Invasive Species in a Changing Climate. *Conserv Biol*. 2008, Jun; 22(3):575-84. [*Conservation biology : the journal of the Society for Conservation Biology*].
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.
- Lee, T. S., Park, K. K., Cho, H. S., Choo, Y. A., and Hwang, M. (1931). Effects of Bioactive Ceramics on the Pathogenesis of Rat Vascular Smooth Muscle Cells Treated With Phorbol 12-Myristate 13-Acetate. *J Mater Sci Mater Med*. 2008, Mar 19: Materials in medicine].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Lee, Y., Zimmermann, S. G., Kieu, A. T., and Von Gunten, U. (Ferrate (Fe(VI)) Application for Municipal Wastewater Treatment: a Novel Process for Simultaneous Micropollutant Oxidation and Phosphate Removal. *Environ Sci Technol*. 2009, May 15; 43(10):3831-8. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Lee, Y. S., Yoon, S., Yoon, H. J., Lee, K., Yoon, H. K., Lee, J. H., and Song, C. W. (Inhibitor of Differentiation 1 (Id1) Expression Attenuates the Degree of Tio2-Induced Cytotoxicity in H1299 Non-Small Cell Lung Cancer Cells. *Toxicol Lett*. 2009, Sep 28; 189(3):191-9. [*Toxicology letters*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Lehmann, G. M. and McCabe, M. J. Jr (Arsenite Slows S Phase Progression Via Inhibition of Cdc25a Dual Specificity Phosphatase Gene Transcription. *Toxicol Sci*. 2007, Sep; 99(1):70-8. [*Toxicological sciences : an official journal of the Society of Toxicology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Lemaire, G., Mnif, W., Pascussi, J. M., Pillon, A., Rabenoelina, F., Fenet, H., Gomez, E., Casellas, C., Nicolas, J. C., Cavailles, V., Duchesne, M. J., and Balaguer, P. (2006). Identification of New Human Pregnane X Receptor Ligands Among Pesticides Using a Stable Reporter Cell System. *Toxicol.Sci*. 91: 501-509.
Chem Codes: Chemical of Concern:
HPT,MP,CBL,TBA,DFZ,FPN,PMR,TXP,ATZ,MCP,MTL,CYP,FNV,FRM,PCZ,FNB,ILL,MZB,VCZ,O
DZ,ACR,24D,DU,NCTN Code: HUMAN HEALTH.

- Lemaire, G., Mnif, W., Pascussi, J. M., Pillon, A., Rabenoelina, F., Fenet, H., Gomez, E., Casellas, C., Nicolas, J. C., Cavailles, V., Duchesne, M. J., and Balaguer, P. (2006). Identification of New Human Pregnane X Receptor Ligands Among Pesticides Using a Stable Reporter Cell System. *Toxicol.Sci.* 91: 501-509.
Chem Codes: Chemical of Concern: HPT,MP,CBL,TBA,DFZ,FPN,PMR,TXP,ATZ,MCP,MTL,CYP,FNV,FRM,PCZ,FNB,ILL,MZB,VCZ,ODZ,ACR,24D,DU,NCTN Code: HUMAN HEALTH/IN VITRO.
- Lennartz, B. and Louchart, X. (Effect of Drying on the Desorption of Diuron and Terbutylazine From Natural Soils. *Environ Pollut.* 2007, Mar; 146(1):180-7. [*Environmental pollution (Barking, Essex : 1987)*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Li, J., Xu, Z. Y., An, H. G., and Liu, L. Q. (Study of Using Microfiltration and Reverse Osmosis Membrane Technologies for Reclaiming Cooling Water in the Power Industry. *Water Environ Res.* 2007, Jul; 79(7):753-8. [*Water environment research : a research publication of the Water Environment Federation*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Li, L., Yang, C., Lan, W., Xie, S., Qiao, C., and Liu, J. (Removal of Methyl Parathion From Artificial Off-Gas Using a Bioreactor Containing a Constructed Microbial Consortium. *Environ Sci Technol.* 2008, Mar 15; 42(6):2136-41. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Li, Q., Wang, L., Liu, Z., and Kamens, R. M. (Could Ozonation Technology Really Work for Mitigating Air Emissions From Animal Feeding Operations? *J Air Waste Manag Assoc.* 2009, Oct; 59(10):1239-46. [*Journal of the Air & Waste Management Association (1995)*].
Chem Codes: Chemical of Concern: MTL Code: REVIEW.
- Liden, L. H., Morgan, E. L., Eagleson, K. W., Burton, D. T., and Margrey, S. L. (1978). The Effect of Total Residual Chlorine on Goldfish Carassius-Auratus Previously Exposed to Long-Term Sublethal Metal Stress. *ASB (Assoc.Southeast.Biol.) Bull.* 25: 79.
Chem Codes: Chemical of Concern: Cu Code: ABSTRACT.
- Lin, W. Y., Wang, L. C., Wang, Y. F., Li, H. W., and Chang-Chien, G. P. (Removal Characteristics of Pcdd/Fs by the Dual Bag Filter System of a Fly Ash Treatment Plant. *J Hazard Mater.* 2008, May 30; 153(3):1015-22. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Lindahl, A. M., SÖ, DerstrÖ, M, M., and Jarvis, N. (Influence of Input Uncertainty on Prediction of Within-Field Pesticide Leaching Risks. *J Contam Hydrol.* 2008, Jun 6; 98(3-4):106-14. [*Journal of contaminant hydrology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Lindquist, L. (1993). Individual and Interspecific Variation in Metal Concentrations in Five Species of Bumblebees (Hymenoptera: Apidae). *Environ.Entomol.* 22: 1355-1357.
Chem Codes: Chemical of Concern: MTL Code: NO CONC/SURVEY.
- Liu, C., Qiang, Z. M., Tian, F., and Zhang, T. (1933). [Reactivity of Several Classes of Pesticides With Uv, Ozone and Permanganate]. *Huan Jing Ke Xue.* 2009, Jan 30:].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Liu, J., Cui, Z. J., Fan, G. L., and Xu, H. Y. (:2771-6 [Huan jing ke xue= Huanjing kexue / [bian ji, Zhongguo ke xue yuan huan jing ke xue wei yuan hui "Huan jing ke xue" bian ji wei yuan hui). [Source Apportionment of Dioxin-Like Polychlorinated Biphenyls in Soil of the Modern Yellow River Delta]. *Huan Jing Ke Xue.* 2007, Dec 28:].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.

- Liu, J., Zhang, L., Zhang, Y., Hong, H., and Deng, H. (Validation of an Agricultural Non-Point Source (Agnps) Pollution Model for a Catchment in the Jiulong River Watershed, China. *J Environ Sci (China)*. 2008; 20(5):599-606. [*Journal of environmental sciences (China)*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Liu, X., Kramer, J. A., Hu, Y., Schmidt, J. M., Jiang, J., and Wilson, A. G. (Development of a High-Throughput Human Hepg(2) Dual Luciferase Assay for Detection of Metabolically Activated Hepatotoxicants and Genotoxicants. *Int J Toxicol*. 2009 May-Jun; 28(3):162-76. [*International journal of toxicology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Ljaljevic, M. (1971). Individual Differences in Guinea Pig Sensitization Over a Long Period of Time. *Glas.Srp.Akad.Nauk.Umet.Od.Med.Nauka* 281: 171-180 (SER).
Chem Codes: Chemical of Concern: PAH Code: NON-ENGLISH.
- Lobel, P. B. (1987). Intersite, Intrasite and Inherent Variability of the Whole Soft Tissue Zinc Concentrations of Individual Mussels *Mytilus Edulis*: Importance of the Kidney. *Mar Environ Res* 21: 59-71.
Chem Codes: Chemical of Concern: Zn Code: NO CONC.
- Lobel, P. B. (1986). Role of the Kidney in Determining the Whole Soft Tissue Zinc Concentration of Individual Mussels (*Mytilus Edulis*). *Mar Biol* 92: 355-359.
Chem Codes: Chemical of Concern: Zn Code: NO DURATION/SURVEY.
- Lobel, P. B., Belkhode, S. P., Jackson, S. E., and Longerich, H. P. (1989). A Universal Method for Quantifying and Comparing the Residual Variability of Element Concentrations in Biological Tissues Using 25 Elements in the Mussel *Mytilus Edulis* as a Model. *Mar.Biol.(Berlin)* 102: 513-518.
Chem Codes: Chemical of Concern: Se Code: NO CONC/NO DURATION/SURVEY.
- Long, G. G., Reynolds, V. L., Lopez-Martinez, A. , Ryan, T. E., White, S. L., and Eldridge, S. R. (Urothelial Carcinogenesis in the Urinary Bladder of Rats Treated With Naveglitazar, a Gamma-Dominant Ppar Alpha/Gamma Agonist: Lack of Evidence for Urolithiasis as an Inciting Event. *Toxicol Pathol*. 2008; 36(2):218-31. [*Toxicologic pathology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Lu, F. C. (1985). Safety Assessments of Chemicals With Thresholded Effects. *Regul.Toxicol.Pharmacol*. 5: 460-464.
Chem Codes: Chemical of Concern: CHD,Captan,CBF,AMTL,AZ Code: REFS CHECKED/REVIEW.
- Lu, F. C. and Dourson, M. L. (1992). Safety/Risk Assessment of Pesticides: Principles, Procedures and Examples. *Toxicol.Lett*. 64/65: 783-787.
Chem Codes: Chemical of Concern: ETN,PPHD,ACR,BMY,GYP,CTN,MOM,PAQT,BFT,FST,AMTL,CHD,Folpet,TBT Code: NO DURATION/NO SPECIES.
- Luebke, D., Myers, C., Ilconich, J., and Pennline, H. (Carbon Dioxide Separation With Supported Ionic Liquid Membranes. Sixth Annual Conference on Carbon Capture & Sequestration. *Govt Reports Announcements & Index (GRA&I)*, Issue 19, 2008.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Lukowski, A. B. (1978). The Content of Organochlorine Insecticides in the Eggs and Tissues of Young Individuals of the Great Crested Grebe (*Podiceps Cristatus* L.) And of the Coot (*Fulica Atra* L.) From the Masurian Lakes. *Ekol.Pol*. 26: 467-478.
Chem Codes: Chemical of Concern: MTL Code: NO CONC/NO DURATION/SURVEY.
- Ma, W., Zhao, Y. Q., and Kearney, P. (:961-8 [*Journal of environmental science and health*]). A Study of Dual Polymer Conditioning of Aluminum-Based Drinking Water Treatment Residual. *J Environ Sci Health A*

- Tox Hazard Subst Environ Eng.* 2007, Jun 42: Part A, Toxic/hazardous substances & environmental engineering].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Macek, J., Cencelj, J., Dorer, M., and Milharcic, L. (1974). Contamination of Potato Field Soil and Potato Tubers With Residuals of Carbaryl Ddt and Lindane in Slovenia (Kontaminacija Zemlje Iz Krompirisc in Gomoljev Krompirja Z Residui Carbarila, Diklordifeniltriokloretana in Lindana V Sloveniji). *Zb.Biotteh.Fak.Univ.Ljubl.Kmetijstvo* 23: 57-68 (SLO).
Chem Codes: Chemical of Concern: CBL,HCCH Code: NON-ENGLISH.
- Macek, J. and Ilc, T. (1991). Weed Control Trials With Some Herbicides in Medicinal Herbs (Echinacea Purpurea L. And Plantago Afra L.) (Versuche Zur Unkrautbekämpfung in Heilpflanzen (Echinacea Pupurea L. Und Plantago Afra L.) Mit Einigen Herbiziden). *Meded.Fac.Landbouwwet.Rijksuniv.Gent* 56: 665-671 (GER) (ENG ABS).
Chem Codes: Chemical of Concern: SZ,MTL,PHMD,CBL Code: NON-ENGLISH.
- Madenjian, C. P., Carpenter, S. R., Eck, G. W., and Miller, M. A. (1993). Accumulation of Pcb's by Lake Trout (Salvelinus Namaycush): an Individual-Based Model Approach. *Can.J.Fish.Aquat.Sci.* 50: 97-109.
Chem Codes: Chemical of Concern: PCB Code: MODELING.
- Maheshwari, D. K., Gupta, M., Sawhney, R., and Khandelwal, A. (1993). Dual Behaviour of Carbaryl and 2,4-Dichlorophenoxyacetic Acid in Rhizobium Leguminosarum 2005 Under Explanta Conditions. *Zentralbl.Mikrobiol.* 148: 588-592.
Chem Codes: Chemical of Concern: CBL,24DXY Code: BACTERIA.
- Mahmoudi, E., Essid, N., Beyrem, H., Hedfi, A., Boufahja, F., Vitiello, P., and Aissa, P. (2007). Individual and Combined Effects of Lead and Zinc on a Free-Living Marine Nematode Community: Results From Microcosm Experiments. *J.Exp.Mar.Biol.Ecol.* 343: 217-226.
Chem Codes: Chemical of Concern: ZnCl₂,PbCl Code: SEDIMENT CONC.
- Mailman, R. B. and Hodgson, E. (1972). The Cytochrome P-450 Substrate Optical Difference Spectra of Pesticides With Mouse Hepatic Microsomes. *Bull.Environ.Contam.Toxicol.* 8: 186-192.
Chem Codes: Chemical of Concern: MLH,BMY,PAQT,PCL,24DXY,BMC,ATZ,AMTL,RTN,PYN,ATN,NCTN,HCCH,HPT,AND,DLD,EN,MRX,DDT,PPB,DZ,TCF,DMT,MTM,PPX,CBL,DU,OYZ,DBN,PPN Code: IN VITRO.
- Malik, M. (2009). Biology and ecology of wild radish (Raphanus raphanistrum). UMI# 3360124.
Chem Codes: Chemical of Concern: MTL Code: REVIEW.
- Malik, M. S., Norsworthy, J. K., Culpepper, A. S., Riley, M. B., and Bridges, J. r. W (2008). Use of Wild Radish (Raphanus Raphanistrum) and Rye Cover Crops for Weed Suppression in Sweet Corn. *Weed Science* 56 : 588-595.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Mancini, S. A., Devine, C. E., Elsner, M., Nandi, M. E., Ulrich, A. C., Edwards, E. A., and Lollar, B. S. (Isotopic Evidence Suggests Different Initial Reaction Mechanisms for Anaerobic Benzene Biodegradation. *Environ Sci Technol.* 2008, Nov 15; 42(22):8290-6. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Marchesini, G. R., Haasnoot, W., Delahaut, P., GerÇ, Ek, H., and Nielen, M. W. (Dual Biosensor Immunoassay-Directed Identification of Fluoroquinolones in Chicken Muscle by Liquid Chromatography Electrospray Time-of-Flight Mass Spectrometry. *Anal Chim Acta.* 2007, Mar 14; 586(1-2):259-68. [*Analytica chimica acta*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

- Marinier, S. L. and Alexander, A. J. (1991). Selective Grazing Behaviour in Horses: Development of Methodology and Preliminary Use of Tests to Measure Individual Grazing Ability. *Appl.Anim.Behav.Sci.* 30: 203-221.
Chem Codes: Chemical of Concern: DBAC Code: NO CONC .
- Marneri, M., Mamais, D., and Koutsiouki, E. (Microthrix Parvicella and Gordona Amarae in Mesophilic and Thermophilic Anaerobic Digestion Systems. *Environ Technol.* 2009, Apr 14; 30(5):437-44.
[Environmental technology].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Marsh, R. S. and Taylor, C. F. (1947). Observed Residual Effects on Apples of 2,4-D in a Central Spray System. *Proc.Am.Soc.Hortic.Sci.* 49: 59-62.
Chem Codes: Chemical of Concern: 24DXY Code: NO QUANTIFIABLE TOXICITY RESULTS.
- Martin, A. N., Farquar, G. R., Frank, M., Gard, E. E., and Fergenson, D. P. (Single-Particle Aerosol Mass Spectrometry for the Detection and Identification of Chemical Warfare Agent Simulants. *Anal Chem.* 2007, Aug 15; 79(16):6368-75. [Analytical chemistry].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Martins, E. L., Weber, O. L., Does, E. F., and Spadotto, C. A. (1982). Leaching of Seven Pesticides Currently Used in Cotton Crop in Mato Grosso State-Brazil. *J Environ Sci Health B.* 2007, Nov 42: Part. B, Pesticides, food contaminants, and agricultural wastes].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Mason, J. M., Valencia, R., and Zimmering, S. (1992). Chemical Mutagenesis Testing in Drosophila: Viii. Reexamination of Equivocal Results. *Environ.Mol.Mutagen.* 19: 227-234.
Chem Codes: Chemical of Concern: CLP,DNT,TFN,PCL,HCCP,AMTL,ETU,MLN,MLH Code: REFS CHECKED/REVIEW.
- Mastrocicco, M., Colombani, N., Cavazzini, A., and Pasti, L. (:6802-9 [Journal of chromatography). A Green and Fast Chromatographic Method for Determining Organic Compound Mobility in Soils. *J Chromatogr A.* 2009, Oct 2 1216: A].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Matsumoto, N., Uemoto, H., and Saiki, H. (Case Study of Electrochemical Metal Removal From Actual Sediment, Sludge, Sewage and Scallop Organs and Subsequent Ph Adjustment of Sediment for Agricultural Use. *Water Res.* 2007, Jun; 41(12):2541-50. [Water research].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Matthews, L. J. (1965). Tolerance of Clovers to Herbicides. In: *Proc.N.Z.Weed Pest Control Conf.* 18: 37-41.
Chem Codes: Chemical of Concern: MCPB,AMTL,PAQT,PCL,DMB,DPP1,24DB,MCPA,MCP1 Code: REFS CHECKED/REVIEW.
- Mazzella, N., Delmas, F., Delest, B., Mechin, B., Madigou, C., Allenou, J. P., Gabellec, R., and Caquet, T. (2009). Investigation of the Matrix Effects on a Hplc-Esi-MS/MS Method and Application for Monitoring Triazine, Phenylurea and Chloroacetanilide Concentrations in Fresh and Estuarine Waters. *Journal of Environmental Monitoring [J. Environ. Monit.].* Vol. 11, no. 1, pp. 108-115. Jan 2009. 11: 108-115.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- McCarthy Annette M, Bales Jerad D, Cope WGregory , and Shea Damian (2007). Modeling Pesticide Fate in a Small Tidal Estuary. *Ecological Modelling [Ecol. Model.].* Vol. 200, no. 1-2, pp. 149-159. Jan 2007.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- McCarty, G. W., McConnell, L. L., Hapeman, C. J. , Sadeghi, A., Graff, C., Hively, W. D., Lang, M. W., Fisher, T. R., Jordan, T., Rice, C. P., Codling, E. E., Whitall, D., Lynn, A., Keppler, J., and Fogel, M. L. (2008). Water Quality and Conservation Practice Effects in the Choptank River Watershed. *Journal of Soil and*

Water Conservation [J. Soil Water Conserv.]. Vol. 63, no. 6, pp. 461-474. Nov-Dec 2008.

Chem Codes: Chemical of Concern: MTL Code: FATE.

McConnell Laura L, Rice Clifford P, Hapeman Cathleen J, Drakeford Leticia, Harman-Fetcho Jennifer A, Bialek Krystyna, Fulton Michael H., Leight Andrew K, and Allen Gregory (2007). Agricultural Pesticides and Selected Degradation Products in Five Tidal Regions and the Main Stem of Chesapeake Bay, Usa. *Environmental Toxicology and Chemistry [Environ. Toxicol. Chem.]. Vol. 26, no. 12, pp. 2567-2578. Dec 2007.*

Chem Codes: Chemical of Concern: MTL Code: FATE.

McDaniel, T. V., Martin, P. A., Struger, J., Sherry, J., Marvin, C. H., McMaster, M. E., Clarence, S., and Tetreault, G. (2008). Potential Endocrine Disruption of Sexual Development in Free Ranging Male Northern Leopard Frogs (*Rana pipiens*) and Green Frogs (*Rana clamitans*) from Areas of Intensive Row Crop Agriculture. *Aquat.Toxicol.* 88: 230-242.

Chem Codes: Chemical of Concern: CPR,DMP,GYP,NO3,ATZ,NH,MCPA,MCP,MTL Code: SURVEY.

McDaniel, T. V., Martin, P. A., Struger, J., Sherry, J., Marvin, C. H., McMaster, M. E., Clarence, S., and Tetreault, G. (2008). Potential Endocrine Disruption of Sexual Development in Free Ranging Male Northern Leopard Frogs (*Rana pipiens*) and Green Frogs (*Rana clamitans*) From Areas of Intensive Row Crop Agriculture. *Aquat.Toxicol.* 88: 230-242.

Chem Codes: Chemical of Concern: CPR,DMP,GYP,NO3,ATZ,NH,MCPA,MCP,MTL Code: SURVEY.

Mcdermott, C., Allshire, A., Van Pelt, F. N., and Heffron, J. J. (Sub-Chronic Toxicity of Low Concentrations of Industrial Volatile Organic Pollutants in Vitro. *Toxicol Appl Pharmacol.* 2007, Feb 15; 219(1):85-94. *[Toxicology and applied pharmacology]*.

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Meador, J. P., Varanasi, U., Robisch, P. A., and Chan, S. L. (1993). Toxic Metals in Pilot Metals (*Globicephala melaena*) From Strandings in 1986 and 1990 on Cape Cod, Massachusetts. *Can.J.Fish.Aquat.Sci.* 50: 2698-2706.

Chem Codes: Chemical of Concern: Se Code: NO CONC/NO DURATION/SURVEY.

Meeks, H. N., Chesser, R. K., Rodgers, B. E., Gaschak, S., and Baker, R. J. (Understanding the Genetic Consequences of Environmental Toxicant Exposure: Chernobyl as a Model System. *Environ Toxicol Chem.* 2009, Sep; 28(9):1982-94. *[Environmental toxicology and chemistry / SETAC]*.

Chem Codes: Chemical of Concern: MTL Code: SURVEY.

Mekebri, A., Crane, D. B., Blondina, G. J., Oros, D. R., and Rocca, J. L. (Extraction and Analysis Methods for the Determination of Pyrethroid Insecticides in Surface Water, Sediments and Biological Tissues at Environmentally Relevant Concentrations. *Bull Environ Contam Toxicol.* 2008, May; 80(5):455-60. *[Bulletin of environmental contamination and toxicology]*.

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Merbach, W. and Schilling, G. (1977). Influence of Several Herbicidal Substances on Photosynthesis and Its Individual Steps in *Sinapis alba* L. (Einfluss einiger Herbizider Wirkstoffe auf die Photosynthese und ihre Teilschritte bei *Sinapis alba* L.). *Biochem.Physiol.Pflanz.* 171: 171-186 (GER) (ENG ABS).

Chem Codes: Chemical of Concern: ATZ,CP,PPY,AMTR,PMT,DU,PHMD Code: NON-ENGLISH.

Metz, R. and Dorn, J. (1995). Individual and Combined Effects of Organic Noxious Substances (Pah, Pcb) and Heavy Metals in Sewage Farm Soils on Soil-Biological Parameters and the Growth of Seedling Roots of Several Farm Crops. In: M.Anke (Ed.), 15th, Mengen Spurenelemente, Arbeitstag, Verlag MTV Hammerschmidt, Gersdorf, Germany 653-660 (GER).

Chem Codes: Chemical of Concern: PAH,PCB,Cu Code: NON-ENGLISH.

- Meyer Michael T, Scribner Elisabeth A, and Kalkhoff Stephen J (2007). Comparison of Fate and Transport of Isoxaflutole to Atrazine and Metolachlor in 10 Iowa Rivers. *Environmental Science & Technology [Environ. Sci. Technol.]*. Vol. 41, no. 20, pp. 6933-6939. 2007.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Meyer, N. K. and Ristovski, Z. D. (Ternary Nucleation as a Mechanism for the Production of Diesel Nanoparticles: Experimental Analysis of the Volatile and Hygroscopic Properties of Diesel Exhaust Using the Volatilization and Humidification Tandem Differential Mobility Analyzer. *Environ Sci Technol*. 2007, Nov 1; 41(21):7309-14. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Miller, G., Shulaev, V., and Mittler, R. (Reactive Oxygen Signaling and Abiotic Stress. *Physiol Plant*. 2008, Jul; 133(3):481-9. [*Physiologia plantarum*].
Chem Codes: Chemical of Concern: MTL Code: NO CONC.
- Mize, S. V., Porter, S. D., and Demcheck, D. K. (2008). Influence of Fipronil Compounds and Rice-Cultivation Land-Use Intensity on Macroinvertebrate Communities in Streams of Southwestern Louisiana, USA. *Environ.Pollut*. 152: 491-503.
Chem Codes: Chemical of Concern: EPTC,TET,PRO,MTL,ACR,PPN,SZ,AZ,MLT,TBC,PDM,DZ,CBF,CBL,MLN,FPN Code: NO DURATION/SURVEY.
- Mize, S. V., Porter, S. D., and Demcheck, D. K. (2008). Influence of Fipronil Compounds and Rice-Cultivation Land-Use Intensity on Macroinvertebrate Communities in Streams of Southwestern Louisiana, Usa. *Environ.Pollut*. 152: 491-503.
Chem Codes: Chemical of Concern: EPTC,TET,PRO,MTL,ACR,PPN,SZ,AZ,MLT,TBC,PDM,DZ,CBF,CBL,MLN,FPN Code: NO DURATION/SURVEY.
- Mo, J. S., Wu, Z. B., Cheng, C. J., Guan, B. H., and Zhao, W. R. (Oxidation Inhibition of Sulfite in Dual Alkali Flue Gas Desulfurization System. *J Environ Sci (China)*. 2007; 19(2):226-31. [*Journal of environmental sciences (China)*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Mochizuki, T., Chiba, S., Hanada, S., and Saitoh, H. (1975). Apple Orchard Soils Contaminated by Inorganic Agricultural Chemicals. I. Effects of the Contents of Residual Copper, Lead, and Arsenate on the Soil Macrofauna on an Apple Orchard in the Tsugaru District of Aomori Prefecture, Japan. *Nippon Dojo-Hiryogaku Zasshi* 46: 45-50 (JPN).
Chem Codes: Chemical of Concern: As,Cu,Pb Code: NON-ENGLISH.
- Mohammadipour, M., Mousivand, M., Salehi Jouzani, G., and Abbasalizadeh, S. (Molecular and Biochemical Characterization of Iranian Surfactin-Producing Bacillus Subtilis Isolates and Evaluation of Their Biocontrol Potential Against Aspergillus Flavus and Colletotrichum Gloeosporioides. *Can J Microbiol*. 2009, Apr; 55(4):395-404. [*Canadian journal of microbiology*].
Chem Codes: Chemical of Concern: MTL Code: BIOLOGICAL TOXICANT.
- Mondello, L., Casilli, A., Tranchida, P. Q., Lo Presti, M., Dugo, P., and Dugo, G. (Comprehensive Gas Chromatography Coupled to Mass Spectrometry for the Separation of Pesticides in a Very Complex Matrix. *Anal Bioanal Chem*. 2007, Nov; 389(6):1755-63. [*Analytical and bioanalytical chemistry*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Monty, C. N., Oh, I., and Masel, R. I. (Acetylcholinesterase-Based Electrochemical Multiphase Microreactor for Detection of Organophosphorous Compounds (Preprint). *Govt Reports Announcements & Index (GRA&I)*, Issue 26, 2007.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

- Morais, S., Tortajada-Genaro, L. A., Arnandis-Chover, T., Puchades, R., and Maquieira, A. (Multiplexed Microimmunoassays on a Digital Versatile Disk. *Anal Chem.* 2009, Jul 15; 81(14):5646-54. [*Analytical chemistry*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Mori, C., Morsey, B., Levin, M., Gorton, T. S., Guise, S. de, and De Guise, S. (2008). Effects of Organochlorines, Individually and in Mixtures, on B-Cell Proliferation in Marine Mammals and Mice. *J.Toxicol.Environ.Health Part A* 71: 266-275.
Chem Codes: Chemical of Concern: PCB, TCDD Code: IN VITRO.
- Morrison, M. L. and Meslow, E. C. (1983). Impacts of Forest Herbicides on Wildlife: Toxicity and Habitat Alteration. In: Sabol,K.(Ed), *Transactions of the 48th North American Wildlife and Natural Resources Conference, March 19-24,1983, Kansas City, MO.* 175-185.
Chem Codes: Chemical of Concern: DXN,TCDD,PCL,ATZ,GYP,AMTL,24DXY,DDT,EN Code: REVIEW.
- Mose, T., Mortensen, G. K., Hedegaard, M., and Knudsen, L. E. (1991). Phthalate Monoesters in Perfusate From a Dual Placenta Perfusion System, the Placenta Tissue and Umbilical Cord Blood. *Reprod Toxicol.* 2007, Jan 23: Y.)).
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Muir, D. C. G., Wagemann, R., Grift, N. P., Norstrom, R. J., Simon, M., and Lien, J. (1988). Organochlorine Chemical and Heavy Metal Contaminants in White-Beaked Dolphins (*Lagenorhynchus Albirostris*) and Pilot Whales (*Globicephala Melaena*) From the Coast of Newfoundland, Canada. *Arch.Environ.Contam.Toxicol.* 17: 613-629.
Chem Codes: Chemical of Concern: Se Code: NO CONC/NO DURATION/SURVEY.
- Muller, M., Rabenoelina, F., Balaguer, P., Patureau, D., Lemenach, K., Budzinski, H., BarcelÓ, D, De Alda, M. L., Kuster, M., DelgenÈ, S, J. P., and Hernandez-Raquet, G. (Chemical and Biological Analysis of Endocrine-Disrupting Hormones and Estrogenic Activity in an Advanced Sewage Treatment Plant. *Environ Toxicol Chem.* 2008, Aug; 27(8):1649-58. [*Environmental toxicology and chemistry / SETAC*].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Munn, M. D. and Gilliom, R. J. (2001). Pesticide Toxicity Index for Freshwater Aquatic Organisms. *Water-Resour.Investig.Rep.No.01-4077, U.S.Geol.Surv., Sacramento, CA* 55 p.
Chem Codes: Chemical of Concern: MCPB,CBL,CPY,DZ,MLN,ACR,ATZ,BFL,BTY,CZE,LNR,MTL,MBZ,PDM,PRO,SZ,TET,TFN Code: REFS CHECKED/REVIEW.
- Nakagawa, M., Murata, K., Shimokawa, T., Honda, T., Kojima, S., and Uchiyama, M. (1984). Determination of Residual Methylene Blue and Malachite Green in Muscle and Liver of Rainbow Trout and Eel. *J Hyg Chem /Eisei Kagaku* 30: 301-308.
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Namdeo, K. N. and Dube, J. N. (1973). Residual Effect of Urea and Herbicides on Hexosamine Content and Urease and Proteinase Activities in a Grassland Soil. *Soil Biol.Biochem.* 5: 855-859.
Chem Codes: Chemical of Concern: UREA,PQT Code: NO EFFECT.
- Nayak, M. K., Collins, P. J., and Kopittke, R. A. (2003). Residual Toxicities and Persistence of Organophosphorus Insecticides Mixed With Carbaryl as Structural Treatments Against Three Liposcelidid Psocid Species (Psocoptera: Liposcelididae) Infesting Stored Grain. *J.Stored Prod.Res.* 39: 343-353.
Chem Codes: Chemical of Concern: CBL Code: MIXTURE .
- Nilufar, F. (2006). Fate and transport of herbicides in soil in the presence of surfactants in irrigation water. UMI# MR24757.

- Chem Codes: Chemical of Concern: MTL Code : FATE.
- Niwa, T., Asaki, T., and Kimura, S. (Ns-187 (Inno-406), a Bcr-Abl/Lyn Dual Tyrosine Kinase Inhibitor. *Anal Chem Insights*. 2007; 2:93-106. [Analytical chemistry insights].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Norris, L. A., Lorz, H. W., and Gregory, S. V. (1991). Forest Chemicals. In: W.R.Meehan (Ed.), *Am.Fish.Soc.Spec.Publ.No.19, Influences of Forest and Rangeland Management on Salmonid Fishes and Their Habitats, Chapter 7, Am.Fish.Soc., Bethesda, MD* 207-296.
Chem Codes: Chemical of Concern:
DMB,AMTL,ATZ,AZ,CBL,CBF,DDT,DMB,GYP,HCCH,HXZ,MLN,MXC,PCZ,SZ,TXP,24DXY Code: REVIEW.
- Novo, M. C. S. S., Cruz, L. S. P., Portugal, E. P., Nagai, V., and Ortolan, M. C. A. (1990). Influence of Herbicides in Nodulation and Nitrogenase Activities in Peanuts Crop [Herbicidas na Nodulacao e na Atividade da Nitrogenase em Cultura de Amendoim]. *Bragantia* 49: 183-191 (POR) (ENG ABS).
Chem Codes: Chemical of Concern: LNR,TFN,MTL Code: NON-ENGLISH.
- Novo, M. C. S. S., Cruz, L. S. P., Portugal, E. P., Nagai, V., and Ortolan, M. C. A. (1990). Influence of Herbicides in Nodulation and Nitrogenase Activities in Peanuts Crop [Herbicidas Na Nodulacao E Na Atividade Da Nitrogenase Em Cultura De Amendoim]. *Bragantia* 49: 183-191 (POR) (ENG ABS).
Chem Codes: Chemical of Concern: LNR,TFN,MTL Code: NON-ENGLISH.
- Nwachukwu, E. O. and Osuji, J. O. (2007). Bioremedial Degradation of Some Herbicides by Indigenous White Rot Fungus, *Lentinus Subnudus*. *Journal of Plant Sciences* 2 : 619-624.
Chem Codes: Chemical of Concern: MTL Code: NO EFFECT.
- Ogborn, M. R., Nitschmann, E., Goldberg, A., Bankovic-Calic, N., Weiler, H. A., and Aukema, H. M. (Dietary Conjugated Linoleic Acid Renal Benefits and Possible Toxicity Vary With Isomer, Dose and Gender in Rat Polycystic Kidney Disease. *Lipids*. 2008, Sep; 43(9):783-91. [Lipids].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Ohnishi, T., Yoshida, T., Igarashi, A., Muroi, M., Tanamoto, K., and K.Tanamoto (2008). Effects of Possible Endocrine Disruptors on Myd88-Independent Tlr4 Signaling. *FEMS Immunol.Med.Microbiol*. 52: 293-295 .
Chem Codes: Chemical of Concern:
TFN,Ziram,MLN,MOM,MXC,MBZ,PCP,PMR,SZ,ADC,AMTL,ATZ,BMY,CBL,24D,24DC,PHTH,VCZ, TDC Code: IN VITRO.
- Oosterhuis, B., Vukman, K., VÁacute, Gi, E., Glavinas, H., Jablonkai, I., and Krajcsi, P. (Specific Interactions of Chloroacetanilide Herbicides With Human Abc Transporter Proteins. *Toxicology*. 2008, Jun 3; 248(1):45-51. [Toxicology].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Osten, V. A., Walker, S. R., Storrie, A., Widderick, M., Moylan, P., Robinson, G. R., and Galea, K. (2007). Survey of Weed Flora and Management Relative to Cropping Practices in the North-Eastern Grain Region of Australia. *Australian Journal of Experimental Agriculture* 47 : 57-70.
Chem Codes: Chemical of Concern: MTL Code: SURVEY.
- Otto, S., Vianello, M., Infantino, A., Zanin, G., and Di Guardo, A. (2008). Effect of a Full-Grown Vegetative Filter Strip on Herbicide Runoff: Maintaining of Filter Capacity Over Time. *Chemosphere [Chemosphere]*. Vol. 71, no. 1, pp. 74-82. Mar 2008.
Chem Codes: Chemical of Concern: MTL Code : EFFLUENT.
- Oyediran, I. O., Higdon, M. L., Clark, T. L., and Hibbard, B. E. (2007). Interactions of Alternate Hosts,

- Postemergence Grass Control, and Rootworm-Resistant Transgenic Corn on Western Corn Rootworm (Coleoptera: Chrysomelidae) Damage and Adult Emergence. *J.Econ.Entomol.* 100: 557-565.
Chem Codes: Chemical of Concern: GYP,MTL,ATZ Code: MIXTURE .
- Oyediran, I. O., Higdon, M. L., Clark, T. L., and Hibbard, B. E. (2007). Interactions of Alternate Hosts, Postemergence Grass Control, and Rootworm-Resistant Transgenic Corn on Western Corn Rootworm (Coleoptera: Chrysomelidae) Damage and Adult Emergence. *J.Econ.Entomol.* 100: 557-565.
Chem Codes: Chemical of Concern: GYP,MTL,ATZ Code: MIXTURE .
- PÉ, Rez, J. I., Ramos, A., OrdÓ, Ñ, Ez, J., GÓ, and Mez, M. A. (:1125-30 [Journal of environmental science and health). Dual-Stage Peat Beds in Small Community Wastewater Treatment. *J Environ Sci Health A Tox Hazard Subst Environ Eng.* 2007, Jul 42: Part A, Toxic/hazardous substances & environmental engineering].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Pagani, A., Villarreal, L., Capdevila, M., and Atrian, S. (The *Saccharomyces Cerevisiae* Crs5 Metallothionein Metal-Binding Abilities and Its Role in the Response to Zinc Overload. *Mol Microbiol.* 2007, Jan; 63(1):256-69. [Molecular microbiology].
Chem Codes: Chemical of Concern: MTL Code: YEAST.
- Pal, A. K. and Kushwah, H. S. (1995). Biological Evaluation of Residual Malathion in the Meat of Dipped Hens: Influence on Carbohydrate Metabolism. *Indian J.Anim.Sci.* 65: 1326-1328.
Chem Codes: Chemical of Concern: MLN Code: NO CONC.
- Pan, Z. and Newcomb, M. (Kinetics and Mechanism of Oxidation Reactions of Porphyrin-Iron(IV)-Oxo Intermediates. *Inorg Chem.* 2007, Aug 6; 46(16):6767-74. [Inorganic chemistry].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Papaefthimiou, C., Cabral, M. G., Mixailidou, C., Viegas, C. A., Sa-Correia, I., and Theophilidis, G. (2004). Comparison of Two Screening Bioassays, Based on the Frog Sciatic Nerve and Yeast Cells, for the Assessment of Herbicide Toxicity. *Environ.Toxicol.Chem.* 23: 1211-1218.
Chem Codes: Chemical of Concern: 24D,24DC,MTL,ACR,MBZ,MCPA Code: IN VITRO.
- Papaefthimiou, C., Cabral, M. G., Mixailidou, C., Viegas, C. A., Sa-Correia, I., and Theophilidis, G. (2004). Comparison of Two Screening Bioassays, Based on the Frog Sciatic Nerve and Yeast Cells, for the Assessment of Herbicide Toxicity. *Environ.Toxicol.Chem.* 23: 1211-1218.
Chem Codes: Chemical of Concern: 24D,24DC,MTL,ACR,MBZ,MCPA Code: IN VITRO.
- Paredes, J. I. and Burghard, M. (2004). Dispersions of Individual Single-Walled Carbon Nanotubes of High Length. *Langmuir* 20: 5149-5152.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Parker, R., Arnold, J. G., Barrett, M., Burns, L., Carrubba, L., Neitsch, S. L., Snyder, N. J., and Srinivasan, R. (2007). Evaluation of Three Watershed-Scale Pesticide Environmental Transport and Fate Models. *Journal of the American Water Resources Association [J. Am. Water Resour. Assoc.]*. Vol. 43, no. 6, pp. 1424-1443. Dec 2007.
Chem Codes: Chemical of Concern: MTL Code: FATE/MODELING.
- Pauli, B. D., Perrault, J. A., and Money, S. L. (2000). Ratl: a Database of Reptile and Amphibian Toxicology Literature. *Tech.Rep.Ser.No.357, Natl.Wildl.Res.Ctr.* 494 p.
Chem Codes: Chemical of Concern:
FMP,FNT,FTH,FNV,FRN,HPT,Hg,IFP,MLN,MDT,MCB,ACP,Ag,Al,ADC,AND,PCB,As,ATZ,AZ,Ba,Bc ,BDC,HCCH,CBL,CBF,Cd,CHD,CPH,Co,CMPH,Cr,Cu,DDT,DEM,DZ,DDVP,DLF,DCTP,DLDD,DMT,D XN,DS,ES,EN,ETN,EP,Fe,MOM,MXC,MTL,MVP,Mg,MRX,Mn,Mo,MYC,Naled,Ni,PHTH,OML,PAH,P RN,MP,Pb,PCP,PRT,PHSL,PSM,PPHD,PTP,PPX,Se,TCDD,TBO,TXP,V,An,ATN,NHN,BDF,BTY,CPY,

CTN,Cl,CuS,CYP,DM,DBN,DFZ,Nabam,PA,PAH,GYP,LNR,MLN,MZB,MLX,MBZ,NH,NRM,RTN,Zn S,ANT,PAH,TBC,BNZ,CdN,CTC,CBZ,CF,CZE,CYH,DU,EDT,EFV,EGY,Maneb,MCPA,HgCl₂,MLT,N APH,PAH,NBZ,PAQT,PPB,PCL,PCH,PPN,CET,REM,24DXY,ATP,ACL,ACY,AMTL,ANZ,AN,BRA,B PZ,TC,CdS,CaCl₂,CBD,CdCl,CoCl,CN,CYF,DMB,DINO,NP,ETHN,EDB,FPP,FBM,GIB,FAME,IoDN,I MC,MLO,MTB,NCTN,NHP,SRT,OMT,PQT,PbAC,PbN,PHE,PAH,PL,PND,K₂CrO₄,K₂Cr₂O₇,PYPG,P YR,PAH,PYN,SBA,SAC,SCA,Sb,AgN,nABr,SFL,NaNO₃,STCH,SFT,SA,TBT,TMP,TMT,TI,TBA,TPM, THM,TOL,3CE,TEG,FRN,TPR,UREA,MTPN,VCZ,WFN,Zineb,SMT Code: REVIEW.

Pereira, S. P., Fernandes, M. A., Martins, J. D. , Santos, M. S., Moreno, A. J., Vicente, J. A. , Videira, R. A., and Jurado, A. S. (Toxicity Assessment of the Herbicide Metolachlor Comparative Effects on Bacterial and Mitochondrial Model Systems. *Toxicol In Vitro*. 2009, Dec; 23(8):1585-90. [*Toxicology in vitro : an international journal published in association with BIBRA*].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.

Perez, M. J., CastaÑ, O. B., Jimenez, S., Serrano, M. A., Gonzalez-Buitrago, J. M. , and Marin, J. J. (Role of Vitamin C Transporters and Biliverdin Reductase in the Dual Pro-Oxidant and Anti-Oxidant Effect of Biliary Compounds on the Placental-Fetal Unit in Cholestasis During Pregnancy. *Toxicol Appl Pharmacol*. 2008, Oct 15; 232(2):327-36. [*Toxicology and applied pharmacology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Persson, M. E., Larsson, P., Holmqvist, N., and Stenroth, P. (2007). Large Variation in Lipid Content, Pcb and Delta13c Within Individual Atlantic Salmon (*Salmo Salar*). *Environ.Pollut*. 145: 131-137.
Chem Codes: Chemical of Concern: PCB Code: SURVEY.

Pesce, S., Fajon, C., Bardot, C., Bonnemoy, F., Portelli, C., and Bohatier, J. (2008). Longitudinal Changes in Microbial Planktonic Communities of a French River in Relation to Pesticide and Nutrient Inputs. *Aquat.Toxicol*. 86: 352-360.
Chem Codes: Chemical of Concern: ODL,ODZ,TBZ,NFZ,DCMU,MTL,ACR,LNR,DU,BMC,AMPA,ATZ,GYP Code: MIXTURE/SURVEY.

Pesce, S., Fajon, C., Bardot, C., Bonnemoy, F., Portelli, C., and Bohatier, J. (2008). Longitudinal Changes in Microbial Planktonic Communities of a French River in Relation to Pesticide and Nutrient Inputs. *Aquat.Toxicol*. 86: 352-360.
Chem Codes: Chemical of Concern: ODL,ODZ,TBZ,NFZ,DCMU,MTL,ACR,LNR,DU,BMC,AMPA,ATZ,GYP Code: MIXTURE/SURVEY.

Petrya, V. and Spirescu, I. (1977). Effect of the Pesticides Bromophos and Metachlor on Some Physiological Processes in the Alga chlorella. *Rev.Roum.Biol.,Ser.Biol.Veg*. 22: 173-177 (RUS).
Chem Codes: Chemical of Concern: MTL,ACR Code: NON-ENGLISH.

Petrya, V. and Spirescu, I. (1977). Effect of the Pesticides Bromophos and Metachlor on Some Physiological Processes in the Alga Chlorella. *Rev.Roum.Biol.Ser.Biol.Veg*. 22: 173-177 (ROM).
Chem Codes: Chemical of Concern: MTL,ACR Code: NON-ENGLISH.

Pettebone, D., Newman, P., and Theobald, D. (A Comparison of Sampling Designs for Monitoring Recreational Trail Impacts in Rocky Mountain National Park. *Environ Manage*. 2009, Mar; 43(3):523-32. [*Environmental management*] .
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.

Pettersson, M., Hahlbeck, E., Katsiadaki, I., Asplund, L., and Bengtsson, B. E. (Survey of Estrogenic and Androgenic Disruption in Swedish Coastal Waters by the Analysis of Bile Fluid From Perch and Biomarkers in the Three-Spined Stickleback. *Mar Pollut Bull*. 2007, Dec; 54(12):1868-80. [*Marine pollution bulletin*].
Chem Codes: Chemical of Concern: MTL Code: SURVEY.

- Pinter, A., Torok, G., Surjan, A., Csik, M., Borzsonyi, M., and Kelecsenyi, Z. (1989). Genotoxicity of Selected Herbicides. *Ann.Ist.Super.Sanita* 25: 577-582.
Chem Codes: Chemical of Concern: ATZ,SZ,BTY,MLT,VNT,DU,ACR,MTL,EFS,DPP1 Code: NO DURATION.
- Plett, J. (2006). Metolachlor and TCE plume characteristics in a dolostone aquifer using a transect. UMI# MR23456.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Popp, M. P., Oliver, L. R., Dillon, C. R., Keisling, T. C., and Manning, P. M. (2000). Evaluation of Seedbed Preparation, Planting Method, and Herbicide Alternatives for Dryland Soybean Production. *Agron.J.* 92: 1149-1155.
Chem Codes: Chemical of Concern: CIT,FSF,GYP,IMQ,MTL,TFN Code: MIXTURE.
- Popp, M. P., Oliver, L. R., Dillon, C. R., Keisling, T. C., and Manning, P. M. (2000). Evaluation of Seedbed Preparation, Planting Method, and Herbicide Alternatives for Dryland Soybean Production. *Agron.J.* 92: 1149-1155.
Chem Codes: Chemical of Concern: CIT,FSF,GYP,IMQ,MTL,TFN Code: MIXTURE.
- Posada-Baquero, R., Niqui-Arroyo, J. L., Bueno-Montes, M., GutiÉ, Rrez-DabÁ, N, A., and Ortega-Calvo, J. J. (Dual 14c/Residue Analysis Method to Assess the Microbial Accessibility of Native Phenanthrene in Environmental Samples. *Environ Geochem Health.* 2008, Apr; 30(2):159-63. [*Environmental geochemistry and health*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA/FATE.
- Postle, J. K., Rheineck, B. D., Allen, P. E., Baldock, J. O., Cook, C. J., Zogbaum, R., and Vandenbrook, J. P. (2004). Chloroacetanilide Herbicide Metabolites in Wisconsin Groundwater: 2001 Survey Results. *Environ.Sci.Technol.* 38: 5339-5343.
Chem Codes: Chemical of Concern: ACR,MTL,ACO Code: SURVEY.
- Postle, J. K., Rheineck, B. D., Allen, P. E., Baldock, J. O., Cook, C. J., Zogbaum, R., and Vandenbrook, J. P. (2004). Chloroacetanilide Herbicide Metabolites in Wisconsin Groundwater: 2001 Survey Results. *Environ.Sci.Technol.* 38: 5339-5343.
Chem Codes: Chemical of Concern: ACR,MTL,ACO Code: SURVEY.
- Potter Thomas L, Truman Clint C, Strickland Timothy C, Bosch DavidD. , and Webster Theodore M (2008). Herbicide Incorporation by Irrigation and Tillage Impact on Runoff Loss. *Journal of Environmental Quality [J. Environ. Qual.].* Vol. 37, no. 3, pp. 839-847. 2008. 37: 839-847.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Pradhan, M., Aziz, M. S., Grilli, R., and Orr-Ewing, A. J. (Automated System for Monitoring Trace C2h2 in Ambient Air by Cavity Ring-Down Spectroscopy Combined With Sample Preconcentration. *Environ Sci Technol.* 2008, Oct 1; 42(19):7354-9. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Prasad, B., Kumar, M., and Prasad, J. (1989). Direct and Residual Effect of Organic Wastes and Zinc Sulfate on Zinc Availability Under Cropping Sequence of Wheat Triticum Aestivum and Rice (Oryza Sativa) in Calcareous Soil. *Indian J.Agric.Sci.* 59: 300-305.
Chem Codes: Chemical of Concern: ZnS Code: MIXTURE/NUTRIENT.
- Prathish, K. P., James, D., Jaisy, J., and Prasada Rao, T. (Dual Optoelectronic Visual Detection and Quantification of Spectroscopically Silent Heavy Metal Toxins: a Multi-Measurand Sensing Strategy Based on Rhodamine 6g as Chromo or Fluoro Ionophore. *Anal Chim Acta.* 2009, Aug 4; 647(1):84-9. [*Analytica chimica acta*].
Chem Codes: Chemical of Concern: MTL Code : CHEM METHODS.

Prueger, J. H., Gish, T. J., McConnell, L. L., Mckee, L. G., Hatfield, J. L., and Kustas, W. P. (2005). Solar Radiation, Relative Humidity, and Soil Water Effects on Metolachlor Volatilization. *Environ.Sci.Technol.* 39: 5219-5226.

Chem Codes: Chemical of Concern: MTL Code: FATE.

Prueger, J. H., Gish, T. J., McConnell, L. L., Mckee, L. G., Hatfield, J. L., and Kustas, W. P. (2005). Solar Radiation, Relative Humidity, and Soil Water Effects on Metolachlor Volatilization. *Environ.Sci.Technol.* 39: 5219-5226.

Chem Codes: Chemical of Concern: MTL Code: FATE.

Qin, X. S., Huang, G. H., Chakma, A., Chen, B., and Zeng, G. M. (Simulation-Based Process Optimization for Surfactant-Enhanced Aquifer Remediation at Heterogeneous Dnapl-Contaminated Sites. *Sci Total Environ.* 2007, Aug 1; 381(1-3):17-37. [*The Science of the total environment*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Qu, S., Jeon, J. S., Ouwerkerk, P. B., Bellizzi, M., Leach, J., Ronald, P., and Wang, G. L. (Construction and Application of Efficient Ac-Ds Transposon Tagging Vectors in Rice. *J Integr Plant Biol.* 2009, Nov; 51(11):982-92. [*Journal of integrative plant biology*].

Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.

Rajendiran, N. and Balasubramanian, T. (1976). Dual Fluorescence of N-Phenylanthranilic Acid: Effect of Solvents, Ph and Beta-Cyclodextrin. *Spectrochim Acta A Mol Biomol Spectrosc.* 2007, Nov 68: Part A, Molecular and biomolecular spectroscopy].

Chem Codes: Chemical of Concern: MTL Code : CHEM METHODS.

Rajendiran, N. and Balasubramanian, T. (904). Dual Fluorescence of Syringaldazine. *Spectrochim Acta A Mol Biomol Spectrosc.* 2007, Nov 68: Part A, Molecular and biomolecular spectroscopy].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Rajinikanth, R., Ramirez, I., Steyer, J. P., Mehrotra, I., Kumar, P., Escudie, R., and Torrijos, M. (Experimental and Modeling Investigations of a Hybrid Upflow Anaerobic Sludge-Filter Bed (Uasfb) Reactor. *Water Sci Technol.* 2008; 58(1):109-17. [*Water science and technology : a journal of the International Association on Water Pollution Research*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Rana, S. V. (1975). On the Distribution of Heavy Metals in the Ovary of Common Ground Squirrel, Funambulus Pennanti: a Histochemical Study. *Acta Histochem.* 54: 290-294.

Chem Codes: Chemical of Concern: Pb Code: NO CONC/NO DURATION/SURVEY.

Randall, K. J. and Pearse, G. (A Dual-Label Technique for the Immunohistochemical Demonstration of T-Lymphocyte Subsets in Formalin-Fixed, Paraffin-Embedded Rat Lymphoid Tissue. *Toxicol Pathol.* 2008; 36(6):795-804. [*Toxicologic pathology*].

Chem Codes: Chemical of Concern: MTL Code : IN VITRO.

Rang, C., Alix, E., Felix, C., Heitz, A., Tasse, L., and Blanc-Potard, A. B. (Dual Role of the Mgtc Virulence Factor in Host and Non-Host Environments. *Mol Microbiol.* 2007, Jan; 63(2):605-22. [*Molecular microbiology*].

Chem Codes: Chemical of Concern: MTL Code: BACTERIA.

Rao, P. N. P., Chen, Q.-H., and Knaus, E. E. (2005-). Synthesis and Biological Evaluation of 1,3-Diphenylprop-2-Yn-1-Ones as Dual Inhibitors of Cyclooxygenases and Lipoxygenases. *Bioorg.Med.Chem.Lett.* 15: 4842-4845.

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH/IN VITRO.

Reddy, M. B. and Bunge, A. (2002). Dermal Absorption from Pesticide Residues: Data Analysis. In: J.Kruse, H.Verhaar, and W.K.DeRaaf (Eds.), *The Practical Applicability of Toxicokinetic Models in the Risk*

- Assessment of Chemicals, Kluwer Acad.Publ., Dordrecht, Netherlands* 55: 55-78.
Chem Codes: Chemical of Concern:
 TBF,VCZ,TBC,PSM,MLT,MVP,MTL,HCCH,IXF,IPD,ILL,EPTC,24DP,ACO,AZ,DFPM,DCZ,DS Code:
 REFS CHECKED/REVIEW.
- Reddy, M. B. and Bunge, A. (2002). Dermal Absorption From Pesticide Residues: Data Analysis. *In: J.Kruse, H.Verhaar, and W.K.DeRaai (Eds.), The Practical Applicability of Toxicokinetic Models in the Risk Assessment of Chemicals, Kluwer Acad.Publ., Dordrecht, Netherlands* 55: 55-78.
Chem Codes: Chemical of Concern:
 TBF,VCZ,TBC,PSM,MLT,MVP,MTL,HCCH,IXF,IPD,ILL,EPTC,24DP,ACO,AZ,DFPM,DCZ,DS Code:
 REFS CHECKED/REVIEW.
- Reinert, K. H. and Rodgers, J. H. (1987). Fate and Persistence of Aquatic Herbicides. *Rev.Environ.Contam.Toxicol.* 98: 61-98.
Chem Codes: Chemical of Concern: CuS,ACL,AMTL,DMB,DBN,24D,DQT,EDT,FDE,GYP,SZ,AMSV
Code: REVIEW.
- Reinhardt, C. F. (1995). Residual Effect of Atrazine on Field-Grown Dry Beans and Sunflower. *S.Afr.J.Plant Soil* 12: 82-85.
Chem Codes: Chemical of Concern: ATZ Code: NO CONC.
- Reisen, W. K. (1986). Population Dynamics of Some Pakistan Mosquitoes: the Impact of Residual Organophosphate Insecticide Spray on Anopheline Relative Abundance. *Ann.Trop.Med.Parasitol.* 80: 69-75.
Chem Codes: Chemical of Concern: MTL Code: SURVEY.
- Richardson, C., Dombrowski, K., and Orr, D. (Sorbent Injection for Small Esp Mercury Control in Low Sulfur Eastern Bituminous Coal Flue Gas. Final Report. *Govt Reports Announcements & Index (GRA&I), Issue 10, 2008.*
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Rivett, M. O., Buss, S. R., Morgan, P., Smith, J. W., and Bemment, C. D. (Nitrate Attenuation in Groundwater: a Review of Biogeochemical Controlling Processes. *Water Res.* 2008, Oct; 42(16):4215-32. [*Water research*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Robles, V., Cabrita, E., De Paz, P., Cunado, S., Anel, L., and Herraiz, M. P. (2004). Effect of a Vitrification Protocol on the Lactate Dehydrogenase and Glucose-6-Phosphate Dehydrogenase Activities and the Hatching Rates of Zebrafish (*Danio Rerio*) and Turbot (*Scophthalmus Maximus*) Embryos. *Theriogenology* 61: 1367-1379.
Chem Codes: Chemical of Concern: EGY,MOL Code: MIXTURE.
- Rocha, C., Pappas, E. A., and Huang, C. H. (Determination of Trace Triazine and Chloroacetamide Herbicides in Tile-Fed Drainage Ditch Water Using Solid-Phase Microextraction Coupled With Gc-Ms. *Environ Pollut.* 2008, Mar; 152(1):239-44. [*Environmental pollution (Barking, Essex : 1987)*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Rosenkranz, H. S. and Klopman, G. (1990). Structural Basis of Carcinogenicity in Rodents of Genotoxicants and Non-Genotoxicants. *Mutat.Res.* 228: 105-124.
Chem Codes: Chemical of Concern:
 BNZ,PPO,TCDD,DNT,Captan,CHD,CTN,HPT,TXP,3CE,AND,ASCN,DCF,ISO,Ziram,DLD,EGL,FMU,P
 CL,ADC,ANZ,DCB,DDT,EN,EDTA,HCCH,MEN,MXC,PL,PPB,AMTL,ETHN,BZO,SCA,CBL,NAPH,P
 AH,BZD,ATP,EGY,ETN,PPN,DPDP Code: MODELING.
- Rothschild, M. (Updated Hazard Rate Equations for Dual Safeguard Systems. *J Hazard Mater.* 2007, Apr 11;

- 142(3):741-6. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Rotteveel, A. J. W., Straathof, H. J. M., and Naber, H. (1993). The Decline of a Yellow Nutsedge (*Cyperus Esculentus* L.) Population Under Three Chemical Management Systems Aimed at Eradication. *Meded.Fac.Landbouwk.Doegep.Biol.Wet.Univ.Gent* 58: 893-900.
Chem Codes: Chemical of Concern: MTL,ATZ,GYP Code: MIXTURE.
- Rudiger, W., Benz, J., Lempert, U., Schoch, S., and Steffens, D. (1976). Inhibition of Phytol Accumulation With Herbicides. Geranylgeraniol and Dihydrogeranylgeraniol-Containing Chlorophyll From Wheat Seedlings (Hemmung Der Phytol-Akkumulation Mit Herbiziden. Geranylgeraniol-Und Dihydrogeranylgeraniol-Haltiges Chlorophyll Aus Weizenkeimlingen). *Z.Pflanzenphysiol.* 80: 131-143 (GER) (ENG ABS).
Chem Codes: Chemical of Concern: AMTL Code: NON-ENGLISH.
- SÁ, Ez, V., Esclapez Vicente, M. D., FrÍ, As-Ferrer, A. J., Bonete, P., GonzÁ, Lez-GarcÍ, and A, J. (Electrochemical Degradation of Perchloroethylene in Aqueous Media: an Approach to Different Strategies. *Water Res.* 2009, May; 43(8):2169-78. [*Water research*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Sachdev, P. and Deb, D. L. (1990). Influence of Gypsum and Farmyard Manure on Fertilizer Zinc Uptake by Wheat and Its Residual Effect on Succeeding Rice and Wheat Crops in a Sodic Soil. *J.Nucl.Agric.Biol.* 19: 173-178.
Chem Codes: Chemical of Concern: Zn Code: MIXTURE.
- Sadiki, Mustapha and Poissant, Laurier (2008). Atmospheric concentrations and gas-particle partitions of pesticides: Comparisons between measured and gas-particle partitioning models from source and receptor sites. *Atmospheric Environment* 42: 8288-8299.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Samper, J., Zheng, L., FernÁ, Ndez, A. M., and Montenegro, L. (Inverse Modeling of Multicomponent Reactive Transport Through Single and Dual Porosity Media. *J Contam Hydrol.* 2008, Jun 6; 98(3-4):115-27. [*Journal of contaminant hydrology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Santos, B. M. (2009). Drip-Applied Metam Potassium and Herbicides as Methyl Bromide Alternatives for *Cyperus* Control in Tomato. *Crop Protection* 28 : 68-71.
Chem Codes: Chemical of Concern: MTL Code: MIXTURE.
- Sauret, N., Wortham, H., Strekowski, R., HerckÈ, S. P., and Nieto, L. I. (Comparison of Annual Dry and Wet Deposition Fluxes of Selected Pesticides in Strasbourg, France. *Environ Pollut.* 2009, Jan; 157(1):303-12. [*Environmental pollution (Barking, Essex : 1987)*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Sauret, Nathalie, Wortham, Henri, Putaud, Jean Philippe, and Mirabel, Philippe (2008). Study of the effects of environmental parameters on the gas/particle partitioning of current-use pesticides in urban air. *Atmospheric Environment* 42: 544-553.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Schaffer, A. (1993). Pesticide Effects on Enzyme Activities in the Soil Ecosystem. In: *J.M.Bollag and G.Stotzky (Eds.), Soil Biochemistry, Marcel Dekker Inc., NY* 273-340.
Chem Codes: EcoReference No.: 110308
Chemical of Concern:
OML,NaN3,MZB,MTL,MITC,MCPPI,HCCH,GYP,Folpet,FNT,FNF,FMU,FMP,ETN,DMT,DMB,DLD,DFQ,CZE,CYC,CPY,PPP,CHO,CBL,CBO,Captan,CAP,BTY,BTC,BMY,ATZ,ADC,ACR,MDT,Maneb,LNR,HYX,MLN,NTP,OMT,PRN,PRT,PYZ,SIO,EN,DZ,DD,BS,DU,EP,MB,SZ,OXD,PAQT,PCL,MBZ,PD

MN,PIM,PMT,PPN,PPX,TBC,TBO,TCF,TDF,FRN,TFT,THM,TMMC,TOL,CTN,TFN,24D Code:
REVIEW.

Scheen, A. J., PiÉte, Rard, L., and Krzesinski, J. M. ([Aliskiren (Rasilez), Direct Renin Inhibitor]. *Rev Med Liege*. 2008, Sep; 63(9):564-9. [Revue medicale de Liege].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.

Scheurell Markus, Franke Stephan, and Huhnerfuss Heinrich (2007). Effect-Directed Analysis: a Powerful Tool for the Surveillance of Aquatic Systems. *International Journal of Environmental and Analytical Chemistry [Int. J. Environ. Anal. Chem.]*. Vol. 87, no. 6, pp. 401-413. Jun 2007. 87: 401-413.
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.

Scheyer, Anne, Morville, Stöphane, Mirabel, Philippe, and Millet, Maurice (2007). Pesticides analysed in rainwater in Alsace region (Eastern France): Comparison between urban and rural sites. *Atmospheric Environment* 41: 7241-7252.
Chem Codes: Chemical of Concern: MTL Code: FATE.

Scheyer, Anne, Morville, Stöphane, Mirabel, Philippe, and Millet, Maurice (2007). Variability of atmospheric pesticide concentrations between urban and rural areas during intensive pesticide application. *Atmospheric Environment* 41: 3604-3618.
Chem Codes: Chemical of Concern: MTL Code: FATE.

Schmitt, M. D. C. and White, E. H. (1988). Conifer Growth on Residual Organic Soils: a Greenhouse Study. *Plant Soil* 108: 253-261.
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.

Schoeberl, M. (Aerosol/Cloud/Ecosystems Mission (Ace). *Govt Reports Announcements & Index (GRA&I)*, Issue 24, 2008.
Chem Codes: Chemical of Concern: MTL Code: FATE.

Schramm, M., Mueller, E., and Triebkorn, R. (1998). Brown Trout (*Salmo trutta* F. Fario) Liver Ultrastructure as a Biomarker for Assessment of Small Stream Pollution. *Biomarkers* 3: 93-108.
Chem Codes: Chemical of Concern:
LNR,Pb,Zn,Cu,Cd,PAH,CHR,BAP,PYR,FA,ANT,FLU,NAPH,PHE,TFR,CYH,ATZ,PPZ,SZ,DDT,MTL,C
YP,DMT,MP,PCB Code: MIXTURE.

Schuetz, W. (1985). Investigation of the Accumulation and Elimination of Individual Chlorinated Hydrocarbons and Their Mixtures in the Freshwater Fish, Applied Via the Freshwater Fish, Applied Via the Water and the Feedstuff (Untersuchungen Uber Die Akkumulation Und Elimination Einzelner Chlorierter Kohlenwasserstoffe Und Deren Gemische Bei Susswasserfischen, Appliziert Uber Das Wasser Und Mit Der Nahrung). *Hessische Landesanst.fuer Umwelt, Wiesbaden, FRG* 227 p. (GER) (ENG ABS) (ASFA, 1988-6/95 CDROM, Prepared by SilverPlatter Information Inc., Updated to 6-95 AN 3609087 (ABS)).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.

Schultz, T. P. and Nicholas, D. D. (2000). Naturally Durable Heartwood: Evidence for a Proposed Dual Defensive Function of the Extractives. *Phytochemistry* 54: 47-52.
Chem Codes: Chemical of Concern: PCZ Code: NO TOX DATA.

Schwarzenbach Renei P, Canonica Silvio, Singer Heinz, Fenner Kathrin, and Huntscha Sebastian (2008). Input Dynamics and Fate in Surface Water of the Herbicide Metolachlor and of Its Highly Mobile Transformation Product Metolachlor Esa. *Environmental Science & Technology [Environ. Sci. Technol.]*. Vol. 42, no. 15, pp. 5507-5513. 2008. 42: 5507-5513.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Schwarzschild, M. A. (Caffeine, Adenosine Receptors and Estrogen in Toxin Models of Parkinson's Disease. *Govt*

Reports Announcements & Index (GRA&I), Issue 15, 2008.

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Seifert, D. and Engesgaard, P. (Use of Tracer Tests to Investigate Changes in Flow and Transport Properties Due to Bioclogging of Porous Media. *J Contam Hydrol.* 2007, Aug 15; 93(1-4):58-71. [*Journal of contaminant hydrology*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Semprini, L., Dolan, M. E., Hopkins, G. D., and Mccarty, P. L. (Bioaugmentation With Butane-Utilizing Microorganisms to Promote in Situ Cometabolic Treatment of 1,1,1-Trichloroethane and 1,1-Dichloroethene. *J Contam Hydrol.* 2009, Jan 26; 103(3-4):157-67. [*Journal of contaminant hydrology*].

Chem Codes: Chemical of Concern: MTL Code: BACTERIA.

Seybold, C. A. and Mersie, W. (1996). Adsorption and Desorption of Atrazine, Dethylatrazine, Deisopropylatrazine, Hydroxyatrazine, and Metoachlor in Two Soils from Virginia. *J.Environ.Qual.* 25: 1179-1186.

Chem Codes: Chemical of Concern: ATZ,DIATZ,MTL Code: FATE.

Shain, W., Bush, B., and Seegal, R. (1991). Neurotoxicity of Polychlorinated Biphenyls: Structure-Activity Relationship of Individual Congeners. *Toxicol.Appl.Pharmacol.* 111: 33-42.

Chem Codes: Chemical of Concern: PCB Code: IN VITRO/NO SPECIES.

Shaner, D. L., Farahani, H. J., and Buchleiter, G. W. (2008). Predicting and Mapping Herbicide-Soil Partition Coefficients for Eptc, Metribuzin, and Metolachlor on Three Colorado Fields. *Weed Science* 56 : 133-139.

Chem Codes: Chemical of Concern: MTL Code: FATE.

Shaner, D. L. and Henry, W. B. (Field History and Dissipation of Atrazine and Metolachlor in Colorado. *J Environ Qual.* 2007 Jan-Feb; 36(1):128-34. [*Journal of environmental quality*].

Chem Codes: Chemical of Concern: MTL Code: FATE.

Sharma, S. (2007). Impact of soil organic matter heterogeneity and soil aggregation on the sorption of herbicides by soils. UMI# 3319686.

Chem Codes: Chemical of Concern: MTL Code: FATE.

Shen, X., Su, Q., Zhu, X., and Gao, Y. (Determination of Pesticide Residues in Soil by Modified Matrix Solid-Phase Dispersion and Gas Chromatography. *Ann Chim.* 2007, Aug; 97(8):647-53. [*Annali di chimica*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Sherma, J. (1994). Determination of Pesticides by Thin Layer Chromatography. *J.Planar Chromatogr.* 7: 265-272.

Chem Codes: EcoReference No.: 92229

Chemical of Concern:

TBA,PPX,RIM,PRN,PAQT,MTL,HCCCH,IPD,IZP,HPT,CBF,ACR,AMTR,BMN,BTC,CMZ,CZE,CMX,24 DXY,DMB,ETU,FZF Code: METHODS.

Shiroma, I., Omija, T., Shimoji, K., Miyagi, T., and Ikema, N. (1987). Residual Effects of Mep on Aquatic Environment After Aerial Spray on to Pine Bark Beetle (Part Iv). *Annu.Rep.Okinawa Prefectural Inst.Public Health* 20: 96-99 (JPN).

Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.

Shock, C. C., Feibert, E. B. G., Saunders, L. D., and James, S. R. (2003). 'umatilla Russet' and 'russet Legend' Potato Yield and Quality Response to Irrigation. *Hortscience* 38: 1117-1121.

Chem Codes: Chemical of Concern: PRT,PDM,MTL Code: MIXTURE.

Shoemaker, C. A. (1979). Optimal Timing of Multiple Applications of Pesticides With Residual Toxicity. *Biometrics* 35: 803-812 .

Chem Codes: Chemical of Concern: MTL Code: REFS CHECKED/REVIEW.

Shukor, M. Y., Baharom, N. A., Masdor, N. A., Abdullah, M. P. A., Shamaan, N. A., Jamal, J. A., and Syed, M. A. (2009). The Development of an Inhibitive Determination Method for Zinc Using a Serine Protease. *J. Environ. Biol.* 30: 17-22.

Chem Codes: Chemical of Concern:

FYT, MgSO₄, CaCl₂, KCl, Ag, Cu, Cd, As, Hg, NiCl, Se, CoCl, AlS, K₂Cr₂O₇, ZnS, BRA3, PAQT, DMB, IMC, CM PH, ATZ, ESS, DZ, DU, GYP, CBL, MTL Code: CHEM METHODS/REFS CHECKED/REVIEW.

Si, Y., Takagi, K., Iwasaki, A., and Zhou, D. (Adsorption, Desorption and Dissipation of Metolachlor in Surface and Subsurface Soils. *Pest Manag Sci.* 2009, Sep; 65(9):956-62. [*Pest management science*].

Chem Codes: Chemical of Concern: MTL Code: FATE.

Sidborn, M. and Neretnieks, I. (Long-Term Oxygen Depletion From Infiltrating Groundwaters: Model Development and Application to Intra-Glaciation and Glaciation Conditions. *J Contam Hydrol.* 2008, Aug 20; 100(1-2):72-89. [*Journal of contaminant hydrology*] .

Chem Codes: Chemical of Concern: MTL Code: FATE.

Simeonov, A., Yasgar, A., Jadhav, A., Lokesh, G. L., Klumpp, C., Michael, S., Austin, C. P., Natarajan, A., and Inglese, J. (Dual-Fluorophore Quantitative High-Throughput Screen for Inhibitors of Brct-Phosphoprotein Interaction. *Anal Biochem.* 2008, Apr 1; 375(1):60-70. [*Analytical biochemistry*].

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Singh, K. and Aggarwal, S. G. (1988). Chemical Weed Control in Japanese Mint and Residual Studies. *Indian Perfum.* 32: 341-346 .

Chem Codes: Chemical of Concern: SZ Code: MIXTURE.

Singh, N. (Adsorption of Herbicides on Coal Fly Ash From Aqueous Solutions. *J Hazard Mater.* 2009, Aug 30; 168(1):233-7. [*Journal of hazardous materials*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Sistani, K. R. and Morrill, L. G. (1992). Foliar Application of Phosphorus and Residual Effect of Gypsum on Peanuts. *J. Environ. Sci. Health Part A* 27: 317-327.

Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT/NUTRIENT.

Skourou, V., Keramitsoglou, T., Koussoulakou, D. , Mitashov, V., and Koussoulakos, S. (Immunostimulation Exacerbates the Biological Effects of Chemical Carcinogens. *Izv Akad Nauk Ser Biol.* 2007 Jul-Aug(4):406-12. [*Izvestiia Akademii nauk. Serii biologicheskaja / Rossiiskaia akademiia nauk*].

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Sokolowski, A., Wolowicz, M., and Hummel, H. (Metal Sources to the Baltic Clam *Macoma Balthica* (Mollusca: Bivalvia) in the Southern Baltic Sea (the Gulf of Gdansk). *Mar Environ Res.* 2007, Apr; 63(3):236-56. [*Marine environmental research*].

Chem Codes: Chemical of Concern: MTL Code: SURVEY.

Southwick, L. M., Appelboom, T. W., and Fouss, J. L. (Runoff and Leaching of Metolachlor From Mississippi River Alluvial Soil During Seasons of Average and Below-Average Rainfall. *J Agric Food Chem.* 2009, Feb 25; 57(4):1413-20. [*Journal of agricultural and food chemistry*].

Chem Codes: Chemical of Concern: MTL Code: FATE.

Sprague, E. B. (1979). Suppression of Brambles in Mechanized Strip Cuttings in Northern Maine. *Proc. Annu. Meet. Northeast. Weed. Sci. Soc.* 33: 47-49.

Chem Codes: Chemical of Concern: 24D, AMTL, FOSNH, HXZ, GYP, TPR Code: NO EFFECT.

Sprague, L. A. and Nowell, L. H. (2008). Comparison of Pesticide Concentrations in Streams at Low Flow in Six

- Metropolitan Areas of the United States. *Environ.Toxicol.Chem.* 27: 288-298.
Chem Codes: Chemical of Concern:
 FPN,DLD,TET,TBZ,SZ,ACO,PRO,TFN,CPY,MTL,ATZ,DZ,MLN,CBL Code: SURVEY.
- Sprague, L. A. and Nowell, L. H. (2008). Comparison of Pesticide Concentrations in Streams at Low Flow in Six Metropolitan Areas of the United States. *Environ.Toxicol.Chem.* 27: 288-298.
Chem Codes: Chemical of Concern:
 FPN,DLD,TET,TBZ,SZ,ACO,PRO,TFN,CPY,MTL,ATZ,DZ,MLN,CBL Code: SURVEY.
- Steele, G. V., Johnson, H. M., Sandstrom, M. W., Capel, P. D., and Barbash, J. E. (Occurrence and Fate of Pesticides in Four Contrasting Agricultural Settings in the United States. *J Environ Qual.* 2008 May-Jun; 37(3):1116-32. [*Journal of environmental quality*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Stenemo, F., Lindahl, A. M., GÄ, RdenÄ, S, A., and Jarvis, N. (Meta-Modeling of the Pesticide Fate Model Macro for Groundwater Exposure Assessments Using Artificial Neural Networks. *J Contam Hydrol.* 2007, Aug 15; 93(1-4):270-83. [*Journal of contaminant hydrology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Stimmann, M. W. and Ferguson, M. P. (1990). Potential Pesticide Use Cancellations in California. *Calif.Agric.* 44: 12-16.
Chem Codes: Chemical of Concern:
 CLP,PAQT,MLN,CBF,DU,PRT,Naled,MOM,MDT,ETN,ES,DMT,DZ,CPY,AZ,PPHD,PSM,PMR,PRN,CYP,ACP,TFN,ODZ,LNR,ATZ,ACR,TPM,SZ,PMT,Captan,CTN,Folpet,MZB,Maneb,MEM,Zineb,DDVP,HCCH,BMY,DINO,PNB,TBA,24DXY,MFD,MTL,OYZ Code: NO TOX DATA.
- Stimmann, M. W. and Ferguson, M. P. (1990). Potential Pesticide Use Cancellations in California. *Calif.Agric.* 44: 12-16.
Chem Codes: Chemical of Concern:
 CLP,PAQT,MLN,CBF,DU,PRT,Naled,MOM,MDT,ETN,ES,DMT,DZ,CPY,AZ,PPHD,PSM,PMR,PRN,CYP,ACP,TFN,ODZ,LNR,ATZ,ACR,TPM,SZ,PMT,Captan,CTN,Folpet,MZB,Maneb,MEM,Zineb,DDVP,HCCH,BMY,DINO,PNB,TBA,24DXY,MFD,MTL,OYZ Code: NO TOX DATA.
- Struger John and Fletcher, T. i. m. (2007). Occurrence of Lawn Care and Agricultural Pesticides in the Don River and Humber River Watersheds (1998-2002). *Journal of Great Lakes Research* [*J. Great Lakes Res.*]. Vol. 33, no. 4, pp. 887-905. 2007.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Sun, F., Chen, J., Tong, Q., and Zeng, S. (Managing the Performance Risk of Conventional Waterworks in Compliance With the Natural Organic Matter Regulation. *Water Res.* 2008, Jan; 42(1-2):229-37. [*Water research*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Sun, Y., Zhang, Z., and Xi, Z. (Direct Electrogenated Chemiluminescence Detection in High-Performance Liquid Chromatography for Determination of Ofloxacin. *Anal Chim Acta.* 2008, Aug 8; 623(1):96-100. [*Analytica chimica acta*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Sun, Y., Zhang, Z., Xi, Z., and Shi, Z. (Determination of Naproxen in Human Urine by High-Performance Liquid Chromatography With Direct Electrogenated Chemiluminescence Detection. *Talanta.* 2009, Aug 15; 79(3):676-80. [*Talanta*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Swaim, L. L., Johnson, R. C., Zhou, Y., Sandlin, C., and Barr, J. R. (Quantification of Organophosphorus Nerve Agent Metabolites Using a Reduced-Volume, High-Throughput Sample Processing Format and Liquid

- Chromatography-Tandem Mass Spectrometry. *J Anal Toxicol.* 2008 Nov-Dec; 39(9):774-7. [*Journal of analytical toxicology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Switzer, C. and Kosson, D. S. (Evaluation of Air Permeability in Layered Unsaturated Materials. *J Contam Hydrol.* 2007, Mar 20; 90(3-4):125-45. [*Journal of contaminant hydrology*] .
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Tagert, Mary Love Mortimer (2006). Water quality, modeling, and land use investigations in the Upper Pearl River Basin of east-central Mississippi. UMI# 3238943.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Takenaka, S., Tonoki, T., Taira, K., Murakami, S., and Aoki, K. (Adaptation of Pseudomonas Sp. Strain 7-6 to Quaternary Ammonium Compounds and Their Degradation Via Dual Pathways. *Appl Environ Microbiol.* 2007, Mar; 73(6):1797-802. [*Applied and environmental microbiology*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Talbert, D. M. and Camper, N. D. (1983). Herbicide and Inhibitor Effects on Cell Leakage in Suspension Cultures of Tobacco (*Nicotiana tabacum*). *Pest.Biochem.Physiol.* 19: 74-81.
Chem Codes: Chemical of Concern: ATZ,MTC,PAQT,MCPB,PCP Code: IN VITRO.
- Talbert, D. M. and Camper, N. D. (1983). Herbicide and Inhibitor Effects on Cell Leakage in Suspension Cultures of Tobacco (*Nicotiana Tabacum*). *Pest.Biochem.Physiol.* 19: 74-81.
Chem Codes: Chemical of Concern: ATZ,MTC,PAQT,MCPB,PCP Code: IN VITRO.
- Tannehill-Gregg, S. H., Sanderson, T. P., Minnema, D., Voelker, R., Ulland, B., Cohen, S. M., Arnold, L. L., Schilling, B. E., Waites, C. R. , and Dominick, M. A. (Rodent Carcinogenicity Profile of the Antidiabetic Dual Ppar Alpha and Gamma Agonist Muraglitazar. *Toxicol Sci.* 2007, Jul; 98(1):258-70. [*Toxicological sciences : an official journal of the Society of Toxicology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Taylor, K. C., Jackson, L. W., Lynch, C. D., Kostyniak, P. J., and Buck Louis, G. M. (Preconception Maternal Polychlorinated Biphenyl Concentrations and the Secondary Sex Ratio. *Environ Res.* 2007, Jan; 103(1):99-105. [*Environmental research*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Teasdale, J. R. and Shirley, D. W. (1998). Influence of Herbicide Application Timing on Corn Production in a Hairy Vetch Cover Crop. *J.Prod.Agric.* 11: 121-125.
Chem Codes: Chemical of Concern: 24D,ATZ,BMN,CZE,DMB,SZ,MTL,PAQT Code: MIXTURE.
- Teng, Y., Luo, Y. M., Gao, J., and Li, Z. G. (1930). [Combined Remediation Effects of Arbuscular Mycorrhizal Fungi-Legumes-Rhizobium Symbiosis on Pcb's Contaminated Soils]. *Huan Jing Ke Xue.* 2008, Oct 29:].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Teshima, N., Kuno, M., Ueda, M., Ueda, H., Ohno, S., and Sakai, T. (Automated Stopped-in-Dual-Loop Flow Analysis System for Catalytic Determination of Vanadium in Drinking Water. *Talanta.* 2009, Jul 15; 79(2):517-22. [*Talanta*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Tesoriero, A. J., Saad, D. A., Burow, K. R., Frick, E. A., Puckett, L. J., and Barbash, J. E. (Linking Ground-Water Age and Chemistry Data Along Flow Paths: Implications for Trends and Transformations of Nitrate and Pesticides. *J Contam Hydrol.* 2007, Oct 30; 94(1-2):139-55. [*Journal of contaminant hydrology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Tharayil, N., Bhowmik, P., Alpert, P., Walker, E., Amarasiriwardena, D., and Xing, B. (Dual Purpose Secondary

Compounds: Phytotoxin of *Centaurea Diffusa* Also Facilitates Nutrient Uptake. *New Phytol.* 2009, Jan; 181(2):424-34. [*The New phytologist*].

Chem Codes: Chemical of Concern: MTL Code: BIOLOGICAL TOXICANT.

Thomas, R. E., Cohen, J. M., and Bendixen, T. W. (1964). Pesticides in Soil and Water an Annotated Bibliography. *Environ. Health Series, Water Supply and Pollut. Control, U.S. Dep. Health, Education, and Welfare, Public Health Service, September 1964, Cincinnati, OH* 90 p.

Chem Codes: Chemical of Concern:

ACY,PMA,NPM,AND,AMTL,AS,ATZ,HCCH,Captan,CHD,CLP,24DXY,DDT,DDVP,DZ,DLD,DMT,D S,DU,ANZ,EDT,EN,FBM,AZ,HPT,MLN,MLH,MCPA,MXC,MB,Nabam,PAQT,PRN,PCP,PRT,MVP,PP HD,PBT,PRO,PPZ Code: REVIEW.

Thompson, J. P. (1996). Correction of Dual Phosphorus and Zinc Deficiencies of Linseed (*Linum Usitatissimum* L.) With Cultures of Vesicular-Arbuscular Mycorrhizal Fungi. *Soil Biol. Biochem.* 28: 941-951.

Chem Codes: Chemical of Concern: Zn Code: NO TOXICANT.

Thweatt, W. D., Harward, C. N. Sr, and Parrish, M. E. (:16-24 [Spectrochimica acta]. Measurement of Acrolein and 1,3-Butadiene in a Single Puff of Cigarette Smoke Using Lead-Salt Tunable Diode Laser Infrared Spectroscopy. *Spectrochim Acta A Mol Biomol Spectrosc.* 2007, May 67: Part A, Molecular and biomolecular spectroscopy].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Tikhomirov, F. A., Magina, L. G., and Kiseleva, E. V. (1988). The Immediate and Residual Effect of High Concentration of Copper and Nickel on Plants. *Vestn. Mosk. Univ. Ser. 17 Pochvoved.* 1: 30-33 (RUS) (ENG ABS).

Chem Codes: Chemical of Concern: Cu,Ni Code: NON-ENGLISH.

Toda, K., Hato, Y., Ohira, S., and Namihira, T. (Micro-Gas Analysis System for Measurement of Nitric Oxide and Nitrogen Dioxide: Respiratory Treatment and Environmental Mobile Monitoring. *Anal Chim Acta.* 2007, Nov 5; 603(1):60-6. [*Analytica chimica acta*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Toreci, I., Kennedy, K. J., and Droste, R. L. (Evaluation of Continuous Mesophilic Anaerobic Sludge Digestion After High Temperature Microwave Pretreatment. *Water Res.* 2009, Mar; 43(5):1273-84. [*Water research*].

Chem Codes: Chemical of Concern: MTL Code: EFFLUENT/BACTERIA.

Townsend, B. J. and Llewellyn, D. J. (Reduced Terpene Levels in Cottonseed Add Food to Fiber. *Trends Biotechnol.* 2007, Jun; 25(6):239-41. [*Trends in biotechnology*].

Chem Codes: Chemical of Concern: MTL Code: FOOD.

Tran, A. n. h. TK, Hyne Ross V, and Doble, P. (2007). Calibration of a Passive Sampling Device for Time-Integrated Sampling of Hydrophilic Herbicides in Aquatic Environments. *Environmental Toxicology and Chemistry [Environ. Toxicol. Chem.]*. Vol. 26, no. 3, pp. 435-443. Mar 2007. 26: 435-443.

Chem Codes: Chemical of Concern: MTL Code: FATE.

Tran, A. T., Hyne, R. V., and Doble, P. (Determination of Commonly Used Polar Herbicides in Agricultural Drainage Waters in Australia by Hplc. *Chemosphere.* 2007, Mar; 67(5):944-53. [*Chemosphere*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Ubhayasekera, W., Tang, C. M., Ho, S. W., Berglund, G., Bergfors, T., Chye, M. L., and Mowbray, S. L. (Crystal Structures of a Family 19 Chitinase From *Brassica Juncea* Show Flexibility of Binding Cleft Loops. *FEBS J.* 2007, Jul; 274(14):3695-703. [*The FEBS journal*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

- Ueno, E., Kabashima, Y., Oshima, H., and Ohno, T. (:390-8 [Shokuhin eiseigaku zasshi]. [Multiresidue Analysis of Pesticides in Animal and Fishery Products by Nci Mode Gc/Ms and Dual-Column Gc-Micro Ecd]. *Shokuhin Eiseigaku Zasshi*. 2008 49: Journal of the Food Hygienic Society of Japan].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Umezawa, Y., Hosono, T., Onodera, S., Siringan, F., Buapeng, S., Delinom, R., Yoshimizu, C., Tayasu, I., Nagata, T., and Taniguchi, M. (Erratum to "Sources of Nitrate and Ammonium Contamination in Groundwater Under Developing Asian Megacities". *Sci Total Environ*. 2009, Apr 15; 407(9):3219-31. [The Science of the total environment].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Umezawa, Y., Hosono, T., Onodera, S., Siringan, F., Buapeng, S., Delinom, R., Yoshimizu, C., Tayasu, I., Nagata, T., and Taniguchi, M. (Sources of Nitrate and Ammonium Contamination in Groundwater Under Developing Asian Megacities. *Sci Total Environ*. 2008, Oct 15; 404(2-3):361-76. [The Science of the total environment].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Uttamchandani, M., Lee, W. L., Wang, J., and Yao, S. Q. (Quantitative Inhibitor Fingerprinting of Metalloproteases Using Small Molecule Microarrays. *J Am Chem Soc*. 2007, Oct 31; 129(43):13110-7. [Journal of the American Chemical Society].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Utz, C. G., Drewno, G. W., and Hollis, R. P. (1993). Using Nonionic Surfactants in Aqueous Formulations. In: *B.N.Devisetty, D.G.Chasin, and P.D.Berger (Eds.), ASTM (Am.Soc.for Test.and Mater.) Spec.Tech.Publ.No.1146, Pesticide Formulations and Application Systems, 12th Volume, 12th Symp., Oct.16-17, 1991, San Diego, CA, ASTM, Philadelphia, PA 133-144.*
Chem Codes: Chemical of Concern: MLN,ATZ,MTL,CBL,EFV,CYP Code: NO SPECIES.
- Van Der Waaij, D. and Berghuis, J. M. (1974). Determination of the Colonization Resistance of the Digestive Tract of Individual Mice. *J.Hyg*. 72: 379-387.
Chem Codes: Chemical of Concern: NTM,STRP Code: MIXTURE.
- Van Haelst, A. G., Heesen, P. F., Van der Wielen, F. W. M., and Govers, H. A. J. (1994). Determination of N-Octanol/Water Partition Coefficients of Tetrachlorobenzyltoluenes Individually and in a Mixture by the Slow Stirring Method. *Chemosphere* 29: 1651-1660.
Chem Codes: Chemical of Concern: C8OH Code: NO TOX DATA.
- Van Metre, P. C. and Fuller, C. C. (Dual-Core Mass-Balance Approach for Evaluating Mercury and 210pb Atmospheric Fallout and Focusing to Lakes. *Environ Sci Technol*. 2009, Jan 1; 43(1):26-32. [Environmental science & technology].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Van Schreven, D. A., Lindenbergh, D. J., and Koridon, A. (1970). Effect of Several Herbicides on Bacterial Populations and Activity and the Persistence of These Herbicides in Soil. *Plant Soil* 33: 513-532 .
Chem Codes: Chemical of Concern: AMTL,PCL,DPP1,MCP1 Code: BACTERIA/FATE.
- Van Zyl, L. J., Van Munster, J. M., and Rawlings, D. E. (Construction of Arsb and Teth Mutants of the Sulfur-Oxidizing Bacterium Acidithiobacillus Caldus by Marker Exchange. *Appl Environ Microbiol*. 2008, Sep; 74(18):5686-94. [Applied and environmental microbiology].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Vanhassel, E. and Bier, M. E. (An Electrospray Membrane Probe for the Analysis of Volatile and Semi-Volatile Organic Compounds in Water. *Rapid Commun Mass Spectrom*. 2007; 21(3):413-20. [Rapid communications in mass spectrometry : RCM].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

- Varanasi, U., Treseler, P., and Gmur, D. J. (1978). Naphthalene Metabolism in Pleuronectidae and Characterization of Individual Metabolites in the Bile. *Fed.Proc.* 37: 1472 (Publ As 5210, 15272).
Chem Codes: Chemical of Concern: NAPH Code: METABOLISM.
- Varnagy, L., Budai, P., Fejes, S., Keseru, M., Szabo, R., and Juhasz, E. (2004). Degredation Dynamic and Toxicity of Certain Pesticide Active Ingredients in Bird Embryos (Egyes Novenyvedoszer-Hatoanyagok Bomlasdinamikaja es Toxicitasa Madarembriokban). *Magy.Allatorv.Lapja* 126: 755-760 (HUN) (ENG ABS).
Chem Codes: Chemical of Concern: CBD,MTL,DMDP,BFL,MZB Code: NON-ENGLISH.
- Varnagy, L., Budai, P., Fejes, S., Keseru, M., Szabo, R., and Juhasz, E. (2004). Degredation Dynamic and Toxicity of Certain Pesticide Active Ingredients in Bird Embryos (Egyes Novenyvedoszer-Hatoanyagok Bomlasdinamikaja Es Toxicitasa Madarembriokban). *Magy.Allatorv.Lapja* 126: 755-760 (HUN) (ENG ABS).
Chem Codes: Chemical of Concern: CBD,MTL,DMDP,BFL,MZB Code: NON-ENGLISH.
- Villalobos, J. C., Mora, R., Lomonte, B., GutiÉrez, J. M., and Angulo, Y. (Cytotoxicity Induced in Myotubes by a Lys49 Phospholipase A2 Homologue From the Venom of the Snake Bothrops Asper: Evidence of Rapid Plasma Membrane Damage and a Dual Role for Extracellular Calcium. *Toxicol In Vitro.* 2007, Dec; 21(8):1382-9. [Toxicology in vitro : an international journal published in association with BIBRA].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Villaverde, J., Hildebrandt, A., Martinez, E., Lacorte, S., Morillo, E., Maqueda, C., Viana, P., and Barcelo, D. (2008). Priority Pesticides and Their Degradation Products in River Sediments From Portugal. *Science of the Total Environment [Sci. Total Environ.].* Vol. 390, no. 2-3, pp. 507-513. 15 Feb 2008.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Villeneuve, D. L., Khim, J. S., Kannan, K., and Giesy, J. P. (2002). Relative Potencies of Individual Polycyclic Aromatic Hydrocarbons to Induce Dioxinlike and Estrogenic Responses in Three Cell Lines. *Environ.Toxicol.* 17: 128-137.
Chem Codes: Chemical of Concern: DXN Code: IN VITRO.
- Vogel, E. W., Graf, U., Frei, H.-J., and Nivard, M. M. J. (1999). The Results of Assays in Drosophila as Indicators of Exposure to Carcinogens. *IARC Sci.Publ.* 146: 427-470.
Chem Codes: Chemical of Concern: K2CrO4,CrO3,ETO,BZD,EDB,ACY,VYL,3CE,MP,BNZ,CHR,AN,MLN,4CE,CF,ETHN,PAH,AMTL,Ziram,MLH,MLO,CIN,DDT,DPDP,DNT,FML,FUR,STCH,ACL,ACD,ATZ,PPO Code: REVIEW.
- Vogel, J. R., Majewski, M. S., and Capel, P. D. (2008). Pesticides in Rain in Four Agricultural Watersheds in the United States. *J.Environ.Qual.* 37: 1101-1115.
Chem Codes: Chemical of Concern: TBZ,ACO,PCH,FFC,MBZ,BFL,ETN,FNF,IFP,TET,CYF,CYP,DCTP,MLX,FMP,PMR,DMT,PRT,TBO,FPN,TBZ,PZM,MP,DDVP,PMT,PSM,AZ,MDT,MYC,IPD,PRO,MLN,TFN,DZ,CBL,PDM,ACR,SZ,CPY,DCPA,ATZ,34DAH,MTL,NATL Code: FATE/NO SPECIES.
- Vogel, J. R., Majewski, M. S., and Capel, P. D. (2008). Pesticides in Rain in Four Agricultural Watersheds in the United States. *J.Environ.Qual.* 37: 1101-1115.
Chem Codes: Chemical of Concern: TBZ,ACO,PCH,FFC,MBZ,BFL,ETN,FNF,IFP,TET,CYF,CYP,DCTP,MLX,FMP,PMR,DMT,PRT,TBO,FPN,TBZ,PZM,MP,DDVP,PMT,PSM,AZ,MDT,MYC,IPD,PRO,MLN,TFN,DZ,CBL,PDM,ACR,SZ,CPY,DCPA,ATZ,34DAH,MTL,NATL Code: FATE/NO SPECIES.
- Vogel, T., Lichner, L., Dusek, J., and Cipakova, A. (Dual-Continuum Analysis of a Cadmium Tracer Field Experiment. *J Contam Hydrol.* 2007, Jun 16; 92(1-2):50-65. [Journal of contaminant hydrology].

- Chem Codes: Chemical of Concern: MTL Code: FATE.
- Von Wjlcke, E. (1968). Unkrautbekämpfung Im Obstbau - Nebenwirkung Auf Die Bodenfauna. *Z.Pflanzenkrankh.Pflanzenschutz* 4: 163-167 (GER) (ENG ABS).
Chem Codes : Chemical of Concern: AMTL,SZ Code: NON-ENGLISH.
- Vrba, J., Dolezel, P., Vicar, J., ModrianskÝ, M, UlrichovÁ, and J (Chelerythrine and Dihydrochelerythrine Induce G1 Phase Arrest and Bimodal Cell Death in Human Leukemia HL-60 Cells. *Toxicol In Vitro*. 2008, Jun; 22(4):1008-17. [Toxicology in vitro : an international journal published in association with BIBRA].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Vryzas, Z., Vassiliou, G., Alexoudis, C., and Papadopoulou-Mourkidou, E. (2009). Spatial and Temporal Distribution of Pesticide Residues in Surface Waters in Northeastern Greece. *Water Res*. 43: 1-10.
Chem Codes: Chemical of Concern: HCB,EFS,CPY,PDM,DDT,TFN,MP,PMT,MLT,MTL,ACR,SZ,DZ,ATZ Code: SURVEY.
- Vryzas, Z., Vassiliou, G., Alexoudis, C., and Papadopoulou-Mourkidou, E. (2009). Spatial and Temporal Distribution of Pesticide Residues in Surface Waters in Northeastern Greece. *Water Res*. 43: 1-10.
Chem Codes: Chemical of Concern: HCB,EFS,CPY,PDM,DDT,TFN,MP,PMT,MLT,MTL,ACR,SZ,DZ,ATZ Code: SURVEY.
- Wakabayashi, T. and Imaoka, M. (1968). The Effect of Chlorine Residual in Tap Water. *Yamanashi Daigaku Kogakubu Kenkyu Hokoku* 19: 118-122 (JPN) (ENG ABS).
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Walton, J. D. and Casida, J. E. (1995). Specific Binding of a Dichloroacetamide Herbicide Safener in Maize at a Site That Also Binds Thiocarbamate and Chloroacetanilide Herbicides. *Plant Physiol*. 109: 213-219.
Chem Codes: Chemical of Concern: MLT,ATZ,MTL,ACR,ACO,EPTC,PCH,PEB,TBC Code: IN VITRO.
- Wan Ibrahim, W. A., Warno, S. A., Aboul-Enein, H. Y., Hermawan, D., and Sanagi, M. M. (Simultaneous Enantioseparation of Cyproconazole, Bromuconazole, and Diniconazole Enantiomers by Cd-Modified Mekc. *Electrophoresis*. 2009, Jun; 30(11):1976-82. [Electrophoresis].
Chem Codes : Chemical of Concern: MTL Code: CHEM METHODS.
- Wang, C. C., Tsai, R. C., and Huang, T. C. (1977). Effects of Types of Herbicides, Their Concentrations, and Application Methods on Residual Toxicity in Soil. ii. Studies on the Residual Toxicity of Herbicides in Soil. *Chung-Hua Nung Hsueh Hui Pao* 100: 103-116 (CHI) (ENG ABS).
Chem Codes: Chemical of Concern: AMTL,ATZ,DU,LNR,MLT,SZ,TFN Code: NON-ENGLISH.
- Wang, G., Wen, J., Li, H., and Qiu, C. (Biodegradation of Phenol and M-Cresol by Candida Albicans Pdy-07 Under Anaerobic Condition. *J Ind Microbiol Biotechnol*. 2009, Jun; 36(6):809-14. [Journal of industrial microbiology & biotechnology].
Chem Codes: Chemical of Concern: MTL Code : YEAST.
- Wang, H. X., Wang, L., Guan, D. W., and Wang, M. B. ([Tramadol Intoxication and Its Toxicological Effect]. *Fa Yi Xue Za Zhi*. 2008, Aug; 24(4):293-6. [Fa yi xue za zhi].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Wang, L., Li, C., Li, C., Li, X., and Xu, C. (A Rapid Multi-Residue Determination Method of Herbicides in Grain by Gc-Ms-Sim. *J Chromatogr Sci*. 2008 May-Jun; 46(5):424-9. [Journal of chromatographic science].
Chem Codes: Chemical of Concern: MTL Code : CHEM METHODS.
- Wang, Y. S., Liu, J. C., Chen, W. C., and Yen, J. H. (Characterization of Acetanilide Herbicides Degrading

- Bacteria Isolated From Tea Garden Soil. *Microb Ecol.* 2008, Apr; 55(3):435-43. [*Microbial ecology*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Wanko, A., Tapia, G., Mose, R., and Gregoire, C. (2009). Adsorption Distribution Impact on Preferential Transport Within Horizontal Flow Constructed Wetland (Hfcw). *Ecological Modelling [Ecol. Model.]*. Vol. 220, no. 23, pp. 3342-3352. 10 Dec 2009.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Ward, R. W. and DeGraeve, G. M. (1980). Acute Residual Toxicity of Several Disinfectants in Domestic and Industrial Waste Water. *Water Res.Bull.* 16: 41-48.
Chem Codes: Chemical of Concern: MTL Code: EFFLUENT.
- Ward, R. W. and DeGraeve, G. M. (1978). Acute Residual Toxicity of Several Wastewater Disinfectants to Aquatic Life. *Water Res.Bull.* 14: 696-709.
Chem Codes: Chemical of Concern: MTL Code: EFFLUENT.
- Ward, R. W., Giffin, R. D., DeGraeve, G. M., and Stone, R. A. (1976). Disinfection Efficiency and Residual Toxicity of Several Wastewater Disinfectants, Vol. 1, Grandville, Michigan. *EPA 600/2-76-156, U.S.EPA, Cincinnati, OH* 132.
Chem Codes: Chemical of Concern: MTL Code: EFFLUENT.
- Watras, C. J. and Bloom, N. S. (1992). Mercury and Methylmercury in Individual Zooplankton: Implications for Bioaccumulation. *Limnol.Oceanogr.* 37: 1313-1318.
Chem Codes: Chemical of Concern: MTL Code: NO DURATION.
- Wauchope, R. D. (1978). The Pesticide Content of Surface Water Draining From Agricultural Fields - a Review. *J.Environ.Qual.* 7: 459-472.
Chem Codes: Chemical of Concern:
 DBN,DMB,ASAC,ACR,ATZ,DZ,AND,AMTL,CBL,CBF,CZE,24DXY,DDT,DLD,DU,ES,EN,FMU,FNF,
 HPT,LNR,MXC,PRN,MBZ,MLT,MSMA,PAQT,PRT,PCL,PMT,PCH,PPZ,SZ,TXP,TFN Code: FATE.
- Weber, J. B., Warren, R. L., Swain, L. R., and Yelverton, F. H. (2007). Physicochemical Property Effects of Three Herbicides and Three Soils on Herbicide Mobility in Field Lysimeters. *Crop Protection* 26 : 299-311.
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Wendt, J. W., Jones, R. B., Bunderson, W. T., and Itimu, O. A. (1996). Leucaena and Maize Alley Cropping in Malawi. Part 2: Residual P and Leaf Management Effects on Maize Nutrition and Soil Properties. *Agroforestry Systems* 33: 295-305.
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.
- White, Paul M., Potter, Thomas L., and Culbreath, Albert K. (Fungicide dissipation and impact on metolachlor aerobic soil degradation and soil microbial dynamics. *Science of The Total Environment* In Press, Corrected Proof.
Chem Codes: Chemical of Concern: MTL Code: NO SOURCE.
- Wilding, J. (1999). Aquatic Weed Control in Irrigation. *Plant Prot.Q.* 14: 79-80.
Chem Codes: Chemical of Concern: ACL,AMTL,DMDP,GYP Code: REFS CHECKED/REVIEW.
- Williams, E. S., Panko, J., and Paustenbach, D. J. (The European Union's Reach Regulation: a Review of Its History and Requirements. *Crit Rev Toxicol.* 2009; 39(7):553-75. [*Critical reviews in toxicology*].
Chem Codes: Chemical of Concern: MTL Code: NO TOX DATA.
- Williams, G. J., Sheikh, B., Holden, R. B., Kouretas, T. J., and Nelson, K. L. (The Impact of Increased Loading Rate on Granular Media, Rapid Depth Filtration of Wastewater. *Water Res.* 2007, Nov; 41(19):4535-45. [*Water research*].

Chem Codes: Chemical of Concern: MTL Code: BACTERIA/VIRUS.

Williams, L. L. and Giesy, J. P. (1992). Relationships Among Concentrations of Individual Polychlorinated Biphenyl (Pcb) Congeners 2,3,7,8-Tetrachlorodibenzo-P-Dioxin Equivalents (Tcdd-Eq), and Rearing Mortality of Chinook Salmon (*Oncorhynchus Tshawytscha*) Eggs From Lake Michigan. *J Great Lakes Res* 18: 108-124.

Chem Codes: Chemical of Concern: PCB Code: NO TOX DATA/SURVEY.

Wolf, M. C. and Moore, P. A. (2000). Affects of the Herbicide Metolachlor on Perception of Chemical Stimuli by Crayfish, *Oroconectes Rusticus*. *Am.Zool.* 40: 1265 (ABS No.P2.22).

Chem Codes: Chemical of Concern: MTL Code: ABSTRACT.

Wu, C., Shemer, H., and Linden, K. G. (Photodegradation of Metolachlor Applying Uv and Uv/H2o2. *J Agric Food Chem.* 2007, May 16; 55(10):4059-65. [*Journal of agricultural and food chemistry*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Wu, C., Wang, Z., Lei, H., Zhang, W., and Duan, Y. (Dual Binding Modes of Congo Red to Amyloid Protofibril Surface Observed in Molecular Dynamics Simulations. *J Am Chem Soc.* 2007, Feb 7; 129(5):1225-32. [*Journal of the American Chemical Society*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Wu, K. M. and Farrelly, J. G. (Regulatory Perspectives of Type Ii Prodrug Development and Time-Dependent Toxicity Management: Nonclinical Pharm/Tox Analysis and the Role of Comparative Toxicology. *Toxicology.* 2007, Jul 1; 236(1-2):1-6. [*Toxicology*].

Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.

Wu, M. T., Demple, B., Bennett, R. A. O., Christiani, D. C., Fan, R., and Hu, H. (2000). Individual Variability in the Zinc Inducibility of Metallothionein-Iia Mrna in Human Lymphocytes. *J.Toxicol.Environ.Health Part A* 61: 553-567.

Chem Codes: Chemical of Concern: Zn Code: HUMAN HEALTH.

Xiu, H., Taylor, R. W., Shuford, J. W., and Tadesse, W. (1991). Comparison of Extractants for Available Sludge-Borne Metals a Residual Study. *Int.Conf.on Metals in Soils, Waters, Plants and Animals, Apr.30-May 3, 1990, Orlando, FL / Water Air Soil Pollut.* 57/58: 913-922.

Chem Codes: Chemical of Concern: MTL Code: NO TOX DATA.

Xu, J., Yang, M., Dai, J., Cao, H., Pan, C., Qiu, X., and Xu, M. (Degradation of Acetochlor by Four Microbial Communities. *Bioresour Technol.* 2008, Nov; 99(16):7797-802. [*Bioresource technology*].

Chem Codes: Chemical of Concern: MTL Code: BACTERIA.

Xu, X., Yang, H., Wang, L., Han, B., Wang, X., and Lee, F. S. (Analysis of Chloroacetanilide Herbicides in Water Samples by Solid-Phase Microextraction Coupled With Gas Chromatography-Mass Spectrometry. *Anal Chim Acta.* 2007, May 15; 591(1):87-96. [*Analytica chimica acta*].

Chem Codes: Chemical of Concern: MTL Code: FATE.

Xu, Y., He, Y., Jia, J., Zhong, D., and Wang, Y. (Cu-Tio2/Ti Dual Rotating Disk Photocatalytic (Pc) Reactor: Dual Electrode Degradation Facilitated by Spontaneous Electron Transfer. *Environ Sci Technol.* 2009, Aug 15; 43(16):6289-94. [*Environmental science & technology*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

Xu, Z., Fan, J., Zheng, S., Ma, F., and Yin, D. (On the Adsorption of Tetracycline by Calcined Magnesium-Aluminum Hydrotalcites. *J Environ Qual.* 2009 May-Jun; 38(3):1302-10. [*Journal of environmental quality*].

Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.

- Xue, N., Li, F., Hou, H., and Li, B. (Occurrence of Endocrine-Disrupting Pesticide Residues in Wetland Sediments From Beijing, China. *Environ Toxicol Chem.* 2008, May; 27(5):1055-62. [*Environmental toxicology and chemistry / SETAC*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Yakovleva, J., Zherdev, A. V., Popova, V. A., Eremin, S. A., and Dzantiev, B. B. (2003). Production of Antibodies and Development of Enzyme-Linked Immunosorbent Assays for the Herbicide Butachlor. *Anal.Chim.Acta* 491: 1-13.
Chem Codes: Chemical of Concern: ETHN,MOL,MTL,ACR,PCH,ACO,BTC Code: CHEM METHODS/IN VITRO.
- Yamamoto, M., Hirano, S., Vogel, C. F., Cui, X., and Matsumura, F. (Selective Activation of Nf-Kappab and E2f by Low Concentration of Arsenite in U937 Human Monocytic Leukemia Cells. *J Biochem Mol Toxicol.* 2008; 22(2):136-46. [*Journal of biochemical and molecular toxicology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Yang, C., Yu, Z., Xiao, B., Huang, W., Fu, J., and Dang, Z. (Impact of Kerogen Heterogeneity on Sorption of Organic Pollutants. 2. Sorption Equilibria. *Environ Toxicol Chem.* 2009, Aug; 28(8):1592-8. [*Environmental toxicology and chemistry / SETAC*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Yang, C., Zhu, Y., Yang, J., Liu, Z., Qiao, C., Mulchandani, A., and Chen, W. (Development of an Autofluorescent Whole-Cell Biocatalyst by Displaying Dual Functional Moieties on Escherichia Coli Cell Surfaces and Construction of a Coculture With Organophosphate-Mineralizing Activity. *Appl Environ Microbiol.* 2008, Dec; 74(24):7733-9. [*Applied and environmental microbiology*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Yang, H. H., Chien, S. M., Cheng, M. T., and Peng, C. Y. (Comparative Study of Regulated and Unregulated Air Pollutant Emissions Before and After Conversion of Automobiles From Gasoline Power to Liquefied Petroleum Gas/Gasoline Dual-Fuel Retrofits. *Environ Sci Technol.* 2007, Dec 15; 41(24):8471-6. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Yang, J. L., Zhang, G. L., and Yuan, D. G. ([Characteristics of Water Infiltration in Urban Soils of Nanjing City]. *Ying Yong Sheng Tai Xue Bao.* 2008, Feb; 19(2):363-8. [*Ying yong sheng tai xue bao = The journal of applied ecology / Zhongguo sheng tai xue xue hui, Zhongguo ke xue yuan Shenyang ying yong sheng tai yan jiu suo zhu ban*].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Yang, L., Zhu, S., Hang, W., Wu, L., and Yan, X. (Development of an Ultrasensitive Dual-Channel Flow Cytometer for the Individual Analysis of Nanosized Particles and Biomolecules. *Anal Chem.* 2009, Apr 1; 81(7):2555-63. [*Analytical chemistry*].
Chem Codes: Chemical of Concern: MTL Code: BACTERIA.
- Yang, S. R. and Cheng, C. R. (1995). Residual Effect of Degradable Pe Films on the Heavy Metal Content in Edible Part of Crops. *J.Agric.Assoc.China (Taipei) (Chung-hua Nung Hsueh Hui Pao)* 169: 134-144.
Chem Codes: Chemical of Concern: MTL Code: NO TOXICANT.
- Yang, W. (2006). Effects of surfactants and relative humidity on solid/gas desorption of chloroacetanilide and dinitroaniline herbicides. UMI# 3244588.
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Yang, W., HolmÉ, and N, B. A. (Effects of Relative Humidity on Chloroacetanilide and Dinitroaniline Herbicide Desorption From Agricultural Pm2.5 On Quartz Fiber Filters. *Environ Sci Technol.* 2007, Jun 1; 41(11):3843-9. [*Environmental science & technology*].

- Chem Codes: Chemical of Concern: MTL Code: FATE.
- Yang, X., Yu, Y. G., Yang, Y., Bell, R. W., and Ye, Z. Q. (2000). Residual Effectiveness of Boron Fertilizer for Oilseed Rape in Intensively Cropped Rice-Based Rotations. *Nutr.Cycl.Agroecosyst.* 57: 171-181 .
Chem Codes: Chemical of Concern: Boron Code: NO TOX DATA.
- Yao, Y., Harner, T., Blanchard, P., Tuduri, L., Waite, D., Poissant, L., Murphy, C., Belzer, W., Aulagnier, F., and Sverko, E. (Pesticides in the Atmosphere Across Canadian Agricultural Regions. *Environ Sci Technol.* 2008, Aug 15; 42(16):5931-7. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Yarkin, M. (2008). Enhancing natural treatment systems by utilizing water treatment residuals. UMI# 3332721.
Chem Codes: Chemical of Concern: MTL Code : FATE.
- Yen, J. H., Tsai, P. W., Chen, W. C., and Wang, Y. S. (:382-9 [Journal of environmental science and health). Fate of Anilide and Aniline Herbicides in Plant-Materials-Amended Soils. *J Environ Sci Health B.* 2008, Jun 43: Part. B, Pesticides, food contaminants, and agricultural wastes].
Chem Codes: Chemical of Concern: MTL Code : FATE.
- Yezhelyev, M. V., Qi, L., O'regan, R. M., Nie, S., and Gao, X. (Proton-Sponge Coated Quantum Dots for Sirna Delivery and Intracellular Imaging. *J Am Chem Soc.* 2008, Jul 16; 130(28):9006-12. [*Journal of the American Chemical Society*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Yildiz, G., Insel, G., Cokgor, E. U., and Orhon, D. (Respirometric Assessment of Biodegradation for Acrylic Fibre-Based Carpet Finishing Wastewaters. *Water Sci Technol.* 2007; 55(10):99-106. [*Water science and technology : a journal of the International Association on Water Pollution Research*].
Chem Codes: Chemical of Concern: MTL Code: FATE.
- Yin, B. C., Ye, B. C., Tan, W., Wang, H., and Xie, C. C. (An Allosteric Dual-Dnzyme Unimolecular Probe for Colorimetric Detection of Copper(II). *J Am Chem Soc.* 2009, Oct 21; 131(41):14624-5. [*Journal of the American Chemical Society*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Young, H. C. and Carrol, J. C. (1951). The Decomposition of Pentachlorophenol When Applied as a Residual Pre-Emergence Herbicide. *Agron.J.* 43: 504-507.
Chem Codes: Chemical of Concern: PCP Code: FATE/NO SPECIES.
- Yu, X., Robinson, J. F., Gribble, E., Hong, S. W., Sidhu, J. S., and Faustman, E. M. (Gene Expression Profiling Analysis Reveals Arsenic-Induced Cell Cycle Arrest and Apoptosis in P53-Proficient and P53-Deficient Cells Through Differential Gene Pathways. *Toxicol Appl Pharmacol.* 2008, Dec 15; 233(3):389-403. [*Toxicology and applied pharmacology*].
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Zabel, E. W., Pollenz, R., and Peterson, R. E. (1996). Relative Potencies of Individual Polychlorinated Dibenzo-P-Dioxin, Dibenzofuran, and Biphenyl Congeners and Congener Mixtures Based on Induction of Cytochrome P4501a Mrna in a Rainbow Trout Gonadal Cell Line (Rtg-2). *Environ.Toxicol.Chem.* 15: 2310-2318.
Chem Codes: Chemical of Concern: FRN,TCDD,PCB Code: IN VITRO/MIXTURE.
- Zama, P. and Hatzios, K. K. (1987). Interaction Between the Herbicide Metolachlor and the Safener Cga-92194 at the Levels of Uptake and Macromolecular Synthesis in Sorghum Leaf Protoplasts. *Pestic.Biochem.Physiol.* 27: 86-96.
Chem Codes: Chemical of Concern: MTL Code: IN VITRO.
- Zaroogian, G., Anderson, S., and Voyer, R. A. (1992). Individual and Combined Cytotoxic Effects of Cadmium,

- Copper, and Nickel on Brown Cells of *Mercenaria Mercenaria*. *Ecotoxicol.Environ.Saf.* 24: 328-337.
Chem Codes: Chemical of Concern: Cd,Cu,Ni Code: IN VITRO.
- Zhang, H., Yang, C., Li, C., Li, L., Zhao, Q., and Qiao, C. (Functional Assembly of a Microbial Consortium With Autofluorescent and Mineralizing Activity for the Biodegradation of Organophosphates. *J Agric Food Chem.* 2008, Sep 10; 56(17):7897-902. [*Journal of agricultural and food chemistry*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Zhang, K. M. and Wen, Z. G. (Review and Challenges of Policies of Environmental Protection and Sustainable Development in China. *J Environ Manage.* 2008, Sep; 88(4):1249-61. [*Journal of environmental management*].
Chem Codes: Chemical of Concern: MTL Code: NO TOX DATA.
- Zhang, X. W., Pan, G., Wang, X. L., Chen, H., Guo, B. S., and Bao, H. Y. (:172-7 [Huan jing ke xue= Huanjing kexue / [bian ji, Zhongguo ke xue yuan huan jing ke xue wei yuan hui "Huan jing ke xue" bian ji wei yuan hui). [Characteristics of Phosphorus Sorption on Yellow River Sediments From Inner Mongolia Reach]. *Huan Jing Ke Xue.* 2009, Jan 30:].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Zhao, J., Wang, M., Yang, Z., Wang, Z., Wang, H., and Yang, Z. (The Different Behaviors of Three Oxidative Mediators in Probing the Redox Activities of the Yeast *Saccharomyces Cerevisiae*. *Anal Chim Acta.* 2007, Jul 30; 597(1):67-74. [*Analytica chimica acta*].
Chem Codes: Chemical of Concern: MTL Code: YEAST.
- Zhao, L., Ma, J., and Zhai, X. (Synergetic Effect of Ultrasound With Dual Fields for the Degradation of Nitrobenzene in Aqueous Solution. *Environ Sci Technol.* 2009, Jul 1; 43(13):5094-9. [*Environmental science & technology*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Zhong, Q., Veeneman, R. A., Steinecker, W. H., Jia, C., Batterman, S. A., and Zellers, E. T. (Rapid Determination of Ets Markers With a Prototype Field-Portable Gc Employing a Microsensor Array Detector. *J Environ Monit.* 2007, May; 9(5):440-8. [*Journal of environmental monitoring : JEM*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Zhou, M., Xu, S. L., and Chen, B. ([Dual Effects of Different Concentrations of Alpha-Synuclein on the Neurotoxicity of 6-Hydroxydopamine in Sh-Sy5y Cells.]. *Sheng Li Xue Bao.* 2009, Aug 25; 61(4):324-30. [*Sheng li xue bao : [Acta physiologica Sinica]*].
Chem Codes: Chemical of Concern: MTL Code: NON-ENGLISH.
- Zhou, Q., He, H. P., Zhu, J. X., Shen, W., Frost, R. L., and Yuan, P. (Mechanism of P-Nitrophenol Adsorption From Aqueous Solution by Hdtma+-Pillared Montmorillonite--Implications for Water Purification. *J Hazard Mater.* 2008, Jun 15; 154(1-3):1025-32. [*Journal of hazardous materials*].
Chem Codes: Chemical of Concern: MTL Code: CHEM METHODS.
- Zhou, X., Li, Q., Arita, A., Sun, H., and Costa, M. (Effects of Nickel, Chromate, and Arsenite on Histone 3 Lysine Methylation. *Toxicol Appl Pharmacol.* 2009, Apr 1; 236(1):78-84. [*Toxicology and applied pharmacology*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Zhou, Y. J., Zhang, S. P., Liu, C. W., and Cai, Y. Q. (The Protection of Selenium on Ros Mediated-Apoptosis by Mitochondria Dysfunction in Cadmium-Induced Llc-Pk(1) Cells. *Toxicol In Vitro.* 2009, Mar; 23(2):288-94. [*Toxicology in vitro : an international journal published in association with BIBRA*].
Chem Codes: Chemical of Concern: MTL Code: HUMAN HEALTH.
- Zillich, J. A. (1972). Toxicity of Combined Chlorine Residuals to Freshwater Fish. *J.Water Pollut.Control Fed.* 44:

212-220 .

Chem Codes: Chemical of Concern: MTL Code: EFFLUENT.

Ziv, D. and Mishael, Y. G. (Herbicide Solubilization in Micelle-Clay Composites as a Basis for Controlled Release Sulfentrazone and Metolachlor Formulations. *J Agric Food Chem.* 2008, Oct 8; 56(19):9159-65. [*Journal of agricultural and food chemistry*].

Chem Codes: Chemical of Concern: MTL Code: FATE.

Zunić, Zs, Yarmoshenko, I. V., Kelleher, K., Paridaens, J., Mc Laughlin, J. P., Celiković, I, Ujić, P, Onischenko, A. D., Jovanović, S, Demajo, A., Birovljev, A., and Bochicchio, F. (Comparison of Retrospective and Contemporary Indoor Radon Measurements in a High-Radon Area of Serbia. *Sci Total Environ.* 2007, Nov 15; 387(1-3):269-75. [*The Science of the total environment*].

Chem Codes: Chemical of Concern: MTL Code: FATE.