**CURRICULUM VITAE**

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**EDUCATION**

• Postdoctoral Fellow, Swiss Federal Institute of Environmental Science and Technology (ETH/EAWAG), Zurich, Switzerland, 1996-1998

• PhD, University of Kansas, Lawrence, KS, 1995

• BS, University of the Philippines at Los Baños, Laguna, Philippines, 1988

**OTHER PROFESSIONAL EXPERIENCE**

• Editor, Journal of Hazardous Materials Letters, (2020-present), <https://www.journals.elsevier.com/journal-of-hazardous-materials-letters>

• Editor, Journal of Hazardous Materials, (2011-present), <http://www.journals.elsevier.com/journal-of-hazardous-materials/>

• Research Chemist, Bayer Corporation, Agriculture Division, Stilwell, KS (2001-2002)

• Assistant Professor, University of Nebraska at Kearney (1998-2001)

• Research Fellow, Technical University of Munich, Freising, Germany, Funded by The North Atlantic Treaty Organization (NATO), Scientific and Environmental Affairs (Summer, 1996)

• Research Assistant, U.S. Geological Survey, Lawrence, KS (1995)

**AWARDS AND HONORS**

• SUNY Chancellor’s Award for Excellence in Scholarship and Creative Activities (2019)

• Koh Lectureship Award in Science, Philippine-American Academy of Science and Engineering (2019)

• Jacob F. Schoellkopf Medal of the Western New York ACS (2017)

• ACS AGRO Fellow, American Chemical Society (2017)

• Excellence in Graduate Student Mentoring Award, University at Buffalo (2013)

• Menzie Environmental Education Award, Society of Environmental Toxicology and Chemistry, (2012)

• Fulbright Research and Teaching Fellowship, Ateneo de Manila University, Philippines (2011)

• Alexander von Humboldt Research Fellowship, Bundesanstalt für Materialforschung und-prüfung, Berlin, Germany (2007)

• New York Water Environment Association Kenneth Allen Memorial Award (2007)

• American Chemical Society PROGRESS/Dreyfus Lectureship Award (2007)

• 2000 National Science Foundation Faculty CAREER Award (2000)

**SELECTED RECENT PUBLICATIONS**

• Guardian, M.G.E.; Antle, J.P.; Vexelman, P.A.; Aga, D.S.; Simpson, S.M. Resolving unknown isomers of emerging per- and polyfluoroalkyl substances (PFASs) in environmental samples using COSMO-RS-derived retention factor and mass fragmentation patterns. Journal of Hazardous Materials, 2021, 402, 123478.

• Masud, A.; Chavez Soria, N.G.; Aga, D. S.; Aich, N. Adsorption and advanced oxidation of diverse pharmaceuticals and personal care products (PPCPs) from water using highly efficient rGO-nZVI nanohybrids. Environmental Science: Water Research & Technology, 2020, 6, 2223-2238.

• Travis, S.C.; Pérez-Fuentetaja, A.; Aga, D.S. Evidence of continued exposure to legacy persistent organic pollutants in threatened migratory common terns nesting in the Great Lakes. Environment International, 2020, 144, 106065.

• Guardian, M.G.E.; Boongaling, E.G.; Bernardo-Boongaling, V.R.R.; Gamonchuang, J.; Boontongto, T.; Arnnok, P.; Burakham, R.; \*Aga, D.S. Prevalence of per- and polyfluoroalkyl substances (PFASs) in bottled, drinking and source water in the Philippines and Thailand. Chemosphere, 2020, 256, 127115.

• Travis, S.C.; Aga, D.S.; Queirolo, E.I.; Olson, J.R.; Daleiro, M.; \*Kordas, K. Catching flame retardants and pesticides in silicone wristbands: Evidence of exposure to current and legacy pollutants in Uruguayan children. Science of The Total Environment, 2020, 740, 140136.

• Booth, A.; Aga, D.S.; \*Wester, A.L. Retrospective analysis of the global antibiotic residues that exceed the predicted no effect concentration for antimicrobial resistance in various environmental matrices, Environment International, 2020, 141, 105796.

• Fulong, C.R.P.; Guardian, M.G.E.; \*Aga, D.S.; \*Cook, T.R. A self-assembled iron(II) metallacage as a trap for per- and polyfluoroalkyl substances in water. Inorganic Chemistry, 2020, 59, 6697-6708. (Journal Cover Article)

• Angeles, L.F.; Islam, S.; Aldstadt, J.; Saqeeb, K.N.; Alam, M.; Khan, M.A.; Johura, F.T.; Ahmed, S.I.; \*Aga, D.S. Retrospective suspect screening reveals previously ignored antibiotics, antifungal compounds, and metabolites in Bangladesh surface waters. Science of the Total Environment, 2020, 712, 136285.

• Butryn, D. M.; Chi, L. H.; Gross, M. S.; McGarrigle, B.; Schecter, A.; Olson, J. R.; \*Aga, D. S. Retention of polybrominated diphenyl ethers and hydroxylated metabolites in paired human serum and milk in relation to CYP2B6 genotype. Journal of Hazardous Materials, 2020, 386, 121904.

• Angeles, L.F; Mullen, R.A.; Huang, I.J.; Wilson, C.; Khunjar, W.; Sirotkin, H. I.; \*McElroy, A.E.; \*Aga, D. S. Assessing pharmaceutical removal and reduction in toxicity provided by advanced wastewater treatment systems. Environmental Science: Water Research & Technology, 2020, 6, 62-77. (Journal Cover Article)

• Guardian, M.G.E.; \*Aga, D.S. Mineralization and biotransformation of estrone in smulated poultry litter and cow manure runoff water. Journal of Environmental Quality, 2019, 48, 1120-1125.

• Hurst, J.J.; Oliver, J.P.; Schueler, J.; Gooch, C.; Lansing, S.; Crossette, E.; Wigginton, K.; Raskin, L.; Aga, D.S.; \*Sassoubre, L.M. Trends in antimicrobial resistance genes in manure blend pits and long-term storage across dairy farms with comparisons to antimicrobial usage and residual concentrations. Environmental Science and Technology 2019, 53, 2405-2415.

• Singh, R.R.; Angeles, L.F.; Butryn, D.M.; Metch, J.W.; Garner, E.; Vikesland, P.J.; \*Aga, D.S. Towards a harmonized method for the global reconnaissance of multi-class antimicrobials and other pharmaceuticals in wastewater and receiving surface waters. Environment International, 2019, 124, 361-369.

• Chavez Soria, N.G.; \*Aga, D.S.; \*Atilla-Gokcumen, G.E.; Lipidomics reveals insights on the biological effects of copper oxide nanoparticles in a human colon carcinoma cell line, Molecular Omics, 2019, 15, 30-38. (Journal Cover Article)

• Arnnok, P.; Singh, R.R.; Burakham, R.; Pérez-Fuentetaja, A.; \*Aga, D.S. Selective uptake and bioaccumulation of antidepressants in fish from effluent-impacted Niagara River. Environmental Science and Technology, 2017, 51, 10652–10662.