

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, commi 1 e 4, della Legge n. 240/2010 per il settore concorsuale 03/A1 Chimica Analitica, settore scientifico-disciplinare _CHIM/01-Chimica Analitica presso il Dipartimento di Chimica, Codice concorso 4975.

Marta Venier

CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	VENIER
NOME	MARTA
DATA DI NASCITA	11 AGOSTO 1975

TITOLI

TITOLI DI STUDIO

(indicare la Laurea conseguita inserendo titolo, Ateneo, data di conseguimento, ecc.)

07/2008 - Ph.D. in Environmental Sciences, O'Neill School of Public and Environmental Affairs, Bloomington, Indiana, 2008.
Supervisor: Ronald A. Hites.
Dissertation title: "Investigation of Toxic Organic Chemicals in the Environment"

07/2002 - Laurea in Chemistry, University of Trieste, Italy.
Supervisor: Edoardo Reisenhofer.
Dissertation title: "Percutaneous Absorption of Industrial Toxic Chemicals".

ATTIVITÀ DIDATTICA, DIDATTICA INTEGRATIVA E SERVIZIO AGLI STUDENTI

POSIZIONE ATTUALE

08/01/2020- TODAY Assistant professor - O'Neill School of Public and Environmental Affairs, Indiana University, Bloomington, IN, USA

INSEGNAMENTI E MODULI

(inserire anno accademico, corso laurea, numero di ore frontali, eventuale CFU)

Spring 2022 - E537 Environmental Chemistry laboratory, O'Neill School of Public and Environmental Affairs, Indiana University, Bloomington, IN, USA (3 credit hours, corresponding to 20 hours of frontal teaching plus laboratories).

Fall 2021 - E183 Environment and people, O'Neill School of Public and Environmental Affairs, Indiana University, Bloomington, IN, USA (3 credit hours, corresponding to 38 hours of frontal teaching). This course is an introductory course that examines how humans interact with their environment. This course covers multiple topics, centered-around human-environment dimensions of environmental change with a special focus on man-made chemicals. The overarching objective is to develop an understanding of our impact on the planet and possible solutions to environmental degradation. The class had 64 registered students.

Spring 2021 - E537 Environmental Chemistry laboratory, O'Neill School of Public and Environmental Affairs, Indiana University, Bloomington, IN, USA (3 credit hours, corresponding to 20 hours of frontal teaching plus laboratories)

Fall 2020 - E183 Environment and people, O'Neill School of Public and Environmental Affairs, Indiana University, Bloomington, IN, USA (3 credit hours, corresponding to 38 hours of frontal teaching). Introductory course that examines how humans interact with their environment. This course covers multiple topics, centered-around human-environment dimensions of environmental change with a special focus on man-made chemicals. The overarching objective is to develop an understanding of our impact on the planet and possible solutions to environmental degradation. The class had 62 registered students. Due to covid it was taught fully online.

ATTIVITÀ DI DIDATTICA INTEGRATIVA E DI SERVIZIO AGLI STUDENTI

Post-doctoral associates mentored

03/2021- current - Chunjie Xia, Ph.D., O'Neill School of Public and Environmental Affairs, Indiana University

08/ 2018- 11/2020 - Yan Wu, Ph.D., O'Neill School of Public and Environmental Affairs, Indiana University

02/ 2017- 08/2020 - Shaorui Wang, Ph.D., O'Neill School of Public and Environmental Affairs, Indiana University

04/ 2017 - 09/2018 - Olubiyi Olukunle, Ph.D., O'Neill School of Public and Environmental Affairs, Indiana University

05/ 2016 - 04/2018 - William Stubbings, Ph.D., O'Neill School of Public and Environmental Affairs, Indiana University

08/ 2015 - 09/2017 - Jiehong Guo, Ph.D., O'Neill School of Public and Environmental Affairs, Indiana University

05/ 2014 - 08/2015 - Angela A. Peverly, Ph.D., O'Neill School of Public and Environmental Affairs, Indiana University

ATTIVITÀ DI SUPERVISION DI STUDENTI DI MASTER

01/2020-05/2020 Mochamad Septiono, MSES student, O' Neill School of Public and Environmental Affairs, Independent study

08/2014-12/2014 Kevin Romanak, MSES student, O' Neill School of Public and Environmental Affairs, Independent study

ATTIVITÀ DI RELATORE DI ELABORATI DI LAUREA, DI TESI DI LAUREA MAGISTRALE, DI TESI DI DOTTORATO E DI TESI DI SPECIALIZZAZIONE

03/2022 - Today Emily DeTemple, O' Neill School of Public and Environmental Affairs (Ph.D. Committee member)

08/2021 - Today Sydney Brady, O' Neill School of Public and Environmental Affairs (Ph.D. Advisor)

08/2020- 05/2022 Abby DeMeyer, O' Neill School of Public and Environmental Affairs (Master Advisor)

08/2021 - Today Matthew Shuwal, O' Neill School of Public and Environmental Affairs (Master Advisor)

01/2017- Today Tessa Steineche, Dept. of Anthropology, Indiana University (Ph.D. Committee member)

10/2019 - Today Becca Murris, Dept. of Anthropology, Indiana University (Ph.D. Committee member)

SUPERVISIONE IN STUDENTI DI SCAMBIO E/O PROGETTI DI RICERCA

(date, name, institution, project)

03/2022-06/2022 Yulong Ma, Birmingham University, UK, Synergising International Research Studies into the Environmental Fate and Behaviour of Toxic Organic Chemicals in the Waste Stream (INTERWASTE)

09/2015-12/2015 Pavlina Karaskova, Czech-American Scientific Cooperation program

10/2014-12/2014 Ondrej Audy, Czech-American Scientific Cooperation program

04/2013-06/2013 Dr. Jitka Bečánová, Czech-American Scientific Cooperation program

04/2013-06/2013 Dr. Šimon Vojta, Czech-American Scientific Cooperation program

10/2012-12/2012 Dr. Petr Kukucka, Czech-American Scientific Cooperation program

PARTECIPAZIONE A COMMISSIONI GIUDICATRICI NELL'AMBITO DI DOTTORATI DI RICERCA

a) In qualità di membro di Commissione Esaminatrice per l'idoneità al Dottorato di Ricerca

Spring 2022 Paige Price, Supervisor: Prof. Philip Stevens, O'Neill School of Public and Environmental Affairs, Indiana University

Spring 2022, Ian Spink, Supervisor: Prof. Philip Stevens, O'Neill School of Public and Environmental Affairs, Indiana University.

Spring 2022, Bode Hoover, Supervisor: Prof. Philip Stevens, O'Neill School of Public and Environmental Affairs, Indiana University.

b) In qualità di membro di Commissione Esaminatrice per il conferimento di Dottorato di Ricerca

March 2021 Colleen Rosales, Thesis title: "Measurements of Atmospheric Radicals in Ambient and Indoor Environments: Outdoor-Indoor Relationships, Indoor Formation Mechanisms, and Instrumental Analysis". Supervisor: Prof. Philip Stevens, O'Neill School of Public and Environmental Affairs, Indiana University

May 2020 Cheryl Gibson Sullivan, Thesis title: "Exposure to complex environmental health challenges". Supervisor: Prof. James Perry. O'Neill School of Public and Environmental Affairs, Indiana University

June 2017 Gopal Pawar, Thesis title: "Exploring the utility of 3D skin models to evaluate trans-dermal uptake of flame retardants from indoor dust and consumer products". Supervisor: Prof. Stuart Harrad and Dr. Mohammed Abdallah, University of Birmingham, UK

ATTIVITÀ DI RICERCA SCIENTIFICA

PUBBLICAZIONI SCIENTIFICHE

1. Chapman, C. A.; Steiniche, T.; Benavidez, K. M.; Sarkar, D.; Amato, K.; Serio-Silva, J. C.; Venier, M.; Wasserman, M. D., The chemical landscape of tropical mammals in the Anthropocene. *Biological Conservation* 2022, 269, 109522.
2. Whitehead, H. D.; Venier, M.; Wu, Y.; Eastman, E.; Urbanik, S.; Diamond, M. L.; Shalin, A.; Schwartz-Narbonne, H.; Bruton, T. A.; Blum, A.; Wang, Z.; Green, M.; Tighe, M.; Wilkinson, J. T.; McGuinness, S.; Peaslee, G. F., Fluorinated Compounds in North American Cosmetics. *Environ Sci Tech Letters*, 2021, 8 (7), 538-544.
3. Liu, Xiaotu; Zeng, Xiao-wen; Dong, Guanghui; Venier, Marta; Xie, Qitong; Yang, Mo; Wu, Qizhen; Zhao, Fanrong; Chen, Da. "Plastic Additives in Ambient Fine Particulate Matters from South China: High-throughput Characterization and Health Implications". *Environ. Sci. Technol*, 2021, 55, 8, 4474-4482.
4. Wang, S. Salamova, A., Venier, M. The occurrence, spatial and seasonal variations, and gas-particle partitioning of atmospheric current use pesticides (CUPs) in the Great Lake basin. *Environ. Sci. Technol.*, 2021, 55, 6, 3539-3548.
5. Wu, Y., Salamova, A., Venier, M., Using Diagnostic Ratios to Characterize Sources of Polycyclic Aromatic Hydrocarbons in the Great Lakes Atmosphere. *Science of The Total Environment*, 2021, 761, 143240.
6. Hites, R., Salamova, A., Lehman, D. Venier, M. Temporal Environmental Hysteresis: A Definition and Implications for Polybrominated Diphenyl Ethers. *Science of The Total Environment*, 2021, 141849.
7. Wu, Y.; Miller, G. Z.; Gearhart, J.; Peaslee, G., Venier, M., Side-chain Fluorotelomer based Polymers in Children Car Seats. *Environ Pollution*, 2021, 115477.
8. Wang, S., Romanak, K.A., Tarallo, S., Francavilla, A., Viviani, M., Vineis, P., Rothwell, J.A., Mancini, F.R., Cordero, F., Naccarati, A., Severi, G., Venier, M. The use of silicone wristbands to evaluate personal exposure to semi-volatile organic chemicals (SVOCs) in France and Italy. *Environmental Pollution*, 2020, 115490.

9. Wang, S., Steineche, T., Rothman, J. M., Wrangham, R., Chapman, C., Mutegeki, Richard; Quiros, R., Wasserman, M. D., Venier, M. Feces are effective biological samples for measuring pesticides and flame retardants in primates. *Environmental Science & Technology*, 2020, 54, 19, 12013-12023.
10. Wu, Y., Venier, M., Hites, R. Broad Exposure of the North American Environment to Phenolic and Amino Antioxidants and to Ultraviolet Filters. *Environ Sci Tech*, 2020, 54, 15, 9345-9355.
11. Kwiatkowski, C.F., Andrews, D.Q., Birnbaum, L.S., Bruton, T.A., DeWitt, J.C., Knappe, D.R.U, Maffini, M.V., Miller, M.F., Pelch, K.E., Reade, A., Soehl, A., Trier, X., Venier, M., Wagner, C.C., Wang, Z., Blum, A. Scientific Basis for Managing PFAS as a Chemical Class, *Environ Sci Tech. Letters*, 2020, 7, 8, 532-543.
12. Wu, Y, Venier, M., Salamova, A. Spatioseasonal Variations and Partitioning Behavior of Organophosphate Esters in the Great Lakes Atmosphere. *Environ Sci Tech*. 2020, 54, 9, 5400-5408.
13. Wu, Y, Bruton, T., Blum, A., Venier, M. Per- and Polyfluoroalkyl substances in paired dust and carpets from childcare centers. *Chemosphere*, 2020, 251, 126771.
14. Wu, Y., Simon, K., Best, D., Bowerman, W., Venier, M. Novel and legacy per- and polyfluoroalkyl substances in bald eagle eggs from the Great Lakes region. *Environ Pollution*, 2020, 260, 113811.
15. Wang, S., Romanak., K., Hendryx, M., Salamova, A., Venier, M. Association between Thyroid Function and Exposures to Brominated and Organophosphate Flame Retardants in Rural Central Appalachia". *Environ Sci Tech*, 2020, 54, 1, 325-334.
16. Hendryx, M., Wang, S., Romanak., K., Salamova, A., Venier, M. Personal exposure to polycyclic aromatic hydrocarbons in Appalachian mining communities, *Environmental Pollution*, 2020, 257, 113501.
17. Blum, A., Behl, M., Birnbaum, L.S., Diamond, M.L., Phillips, A., Singla, V., Sipes, N., Staple-ton, H.M., Venier, M. Organophosphate Ester Flame Retardants: Are They a Regrettable Substitution for Polybrominated Diphenyl Ethers? *Environ Sci Tech Letters*, 2019, 6, 11, 638-649.
18. Wu, Y., Venier, M., and Hites, R.A. "Identification of Unusual Antioxidants in the Natural and Built Environments", *Environ Sci Tech Letters*, 2019, 6, 443-7.
19. Wang, S., Romanak, K., Stubbings, W., Arrandale, V., Diamond, M., Hendryx, M., Salamova, A., Venier, M. "Personal silicone wristbands integrate dermal and inhalation exposures to semivolatile organic chemicals (SVOCs)". *Environment International*, 2019, 132, 105104.
20. Nguyen, L., Diamond, M., Venier, M. , Stubbings, W., Romanak, K., Bajard, L., Melymuk, L., Jantunen, L., Arrandale, V. Exposure of Canadian electronic waste dismantlers to flame retard-ants. *Environment International*, 2019, 129, 95-104.
21. Wang, S., Steineche, T., Romanak, K. A, Johnson, E., Quiros, R., Mutegeki, R., Wasserman, M. D., Venier, M. Occurrence of legacy pesticides, current use pesticides, and flame retardants in and around protected areas in Costa Rica and Uganda. *Environ. Sci. Technol.* 2019 53 (11), 6171-6181
22. Stubbings, W., Nguyen, L., Romanak, K., Jantunen, L., Melymuk, L., Arrandale, V., Diamond, M., and Venier, M. Flame retardants and plasticizers in a Canadian waste electrical and electronic equipment (WEEE) dismantling facility". *Science of The Total Environment*, 2019, 675, 594-603.
23. Venier, M.; Salamova, A.; Hites, R. A. How to distinguish urban vs. agricultural sources of persistent organic pollutants. *Current Opinion in Environmental Science and Health* 2019, 8, 23-28. (Invited)

24. Romanak, K. A.; Wang, S.; Stubbings, W. A.; Hendryx, M.; Venier, M.; Salamova, A., Analysis of brominated and chlorinated flame retardants, organophosphate esters, and polycyclic aromatic hydrocarbons in silicone wristbands used as personal passive samplers. *Journal of Chromatography A* 2019, 1588, 15 41-47
25. Wu, Y.; Miller, G. Z.; Gearhart, J.; Romanak, K.; Lopez-Avila, V.; Venier, M., Children's car seats contain legacy and novel flame retardants. *Environ Sci Tech Letters* 2019, 6, (1), 14-20.
26. Venier, M., Lehman, D., Salamova, A., Hites, R.A. The IADN Visualization tool. *Sci Total Environ*, 2018, 645, 1617-1619.
27. Audy, O.; Melymuk, L.; Venier, M.; Vojta, S.; Becanova, J.; Romanak, K.; Vykoukalova, M.; Prokes, R.; Kukucka, P.; Diamond, M. L.; Klanova, J., PCBs and organochlorine pesticides in indoor environments - a comparison of indoor contamination in Canada and Czech Republic. *Chemosphere*, 2018, 206, 622-631.
28. Venier, M., Stubbings, W., Guo, J., Romanak, K., Nguyen, L., Jantunen, L., Melymuk, L., Arrandale, V., Diamond, M., "Tri(2,4-di-t-butylphenyl) Phosphate: A previously unrecognized, abundant, ubiquitous pollutant in the built and natural environment". *Environ. Sci. Technol.*, 2018, 52, 22, 12997-13003.
29. Stubbings, W. A., Guo, J., Simon, K., Romanak, K., Bowerman, W., Venier, M. Flame retardant metabolites in addled bald eagle eggs from the Great Lakes region. *Environ Sci Technol Letters*, 2018, 5, 354-359 .
30. Guo, J. H., Stubbings, W. A., Romanak, K., Nguyen, L. V., Jantunen, L., Melymuk, L.; Arrandale, V., Diamond, M. L., Venier, M., Alternative flame retardant, 2,4,6-Tris(2,4,6-Tribromophenoxy)-1,3,5-triazine, in an e-waste recycling facility and house dust in North America. *Environ Sci Technol* 2018, 52, (6), 3599-3607.
31. Olukunle, O. I., Lehman, D., Salamova, A., Venier, M., Hites, R.A., "Temporal trends of Dechlorane Plus in air and precipitation around the North American Great Lakes". *Science of Total Environment*, 2018, 642, 537-542
32. Wang, S., Salamova, A., Hites, R.A., Venier, M. Occurrence, spatial, and seasonal distribution of current use pesticides (CUPs) in the atmosphere of the Great Lakes. *Environ. Sci. Technol.*, 2018, 52 (11), 6177-6186.
33. Guo, J., Salamova, A., Venier, M., Dryfhout-Clark, H., Alexandrou, N., Backus, S., Bradley, L., Hung, H., Hites, R.A. Atmospheric flows of semi-volatile organic pollutants to the Great Lakes estimated by the United States' Integrated Atmospheric Deposition and Canada's Great Lakes basin monitoring and surveillance networks. *J Great Lakes Res*, 2018, 44, (4), 670-681.
34. Stubbings, W. A., Schreder, E. D., Thomas, M. B., Romanak, K., Venier, M., and Salamova, A. Exposure to brominated and organophosphate flame retardants in childcare environments: effect of removal of flame-retarded nap mats on indoor levels. *Chemosphere*, 2018, 238, 1056-1068.
35. Olukunle, O. I., Venier, M., Hites, R.A., Salamova, A. Atmospheric concentrations of hexabromocyclododecane (HBCDD) in the Great Lakes region. *Chemosphere*, 2018, 200, 464-470.
36. Guo, J., Simon, K., Romanak, K., Bowerman, W., Venier, M. Accumulation of flame retardant in paired egg and plasma of bald eagles. *Environmental Pollution*, 2018, 237, 499-507.
37. Guo, J., Romanak, K., Westenbroek, S., Hites, R. A., Li, A.; Kreis, R.; Venier, M., (2017) Up-dated polychlorinated biphenyl mass budget for Lake Michigan. *Environ. Sci. Technol.*, 2017, 51 (21), 12455-12465.

38. Guo, J., Romanak, K., Westenbroek, S., Hites, R. A., Venier, M., (2017) Flame retardants in Lake Michigan tributaries. *Environ. Sci. Technol.*, 2017, 51 (17), pp 9960-9969
39. Vykoukalová, M., Venier, M., Vojta, S., Melymuk, L., Bečanová, J., Romanak, K., Prokeš, R., Okeme, J., Saini, A., Diamond, M. L., Klanova, J. (2017) Organophosphate flame retardants in the indoor environment: A comparison of Central Europe and North America. *Environment International*, 106, 97-104.
40. Stubbings, W., Riddell, N., Chittim, B., Venier, M. (2017) Challenges in the analyses of organophosphate esters. *Environmental Science and Technology Letters*, 4 (7), pp 292-297.
41. Guo, J., Venier, M., Salamova, A., Hites, R. A. (2017) Bioaccumulation of Dechloranes, organophosphate esters, and other flame retardants in Great Lakes fish. *Science of the Total Environment*, 583, 1-9.
42. Guo, J., Venier, M., Romanak, K., Westenbroek, S., Hites, R. A. (2016). Identification of Mar-bon in the Indiana Harbor and Ship Canal. *Environmental Science & Technology*, 50(24), 13232-13238.
43. Salamova, A., Peverly, A. A., Venier, M., Hites, R. A. (2016). Spatial and temporal trends of particle phase organophosphate ester concentrations in the atmosphere of the Great Lakes. *Environmental Science & Technology*, 50(24), 13249-13255.
44. Venier, M., Audy, O., Vojta, Š., Bečanová, J., Romanak, K., Melymuk, L., Krátká, M., Ku-kučka, P., Okeme, J., Saini, A., Diamond, M. L., Klánová, J. (2016). Brominated flame retardants in the indoor - Comparative study of indoor contamination from three countries. *Environ Int.* 2016 ;94:150-160.
45. Karásková, P., Venier, M., Melymuk, L., Bečanová, J., Vojta, S., Prokeš, R., Diamond, M. L., Klanova, J. Perfluorinated alkyl substances (PFASs) in household dust in Central Europe and North America. *Environment International*, 2016, 94, 315-324.
46. Liu, L. Y., Salamova, A., Venier, M., and Hites, R. A novel flame retardant in the Great Lakes atmosphere: 3,3',5,5'-Tetrabromobisphenol A bis(2,3-dibromopropyl) ether. *Environmental Science and Technology Letters*, 2016, 3(5), 194-199.
47. Liu, L. Y., Salamova, A., Venier, M., and Hites, R. Trends in the levels of halogenated flame retardants in the Great Lakes atmosphere over the period 2005-2013. *Environment International*, 2016, 92, 442-449.
48. Wöhrnschimmel, M. Scheringer, Bogdal, C., Hung, H., Salamova, A., Venier, M., A. Katsoyiannis, A., K. Hungerbühler, K., Fiedler, H., and Hites, R. Ten years after entry into force of the Stockholm Convention: What do air monitoring data tell about its effectiveness? *Environmental Pollution*, 2016, 217, 149-158.
49. Venier, M., Salamova, A., and Hites, R.A. Temporal trends of persistent organic pollutant concentrations in precipitation around the Great Lakes, *Environmental Pollution*, 2016, 217, 143-148.
50. Peverly, A.A., O'Sullivan, C., Liu, L. Y., Venier, M., Martinez, A., Hornbuckle, K. H., and Hites, R.A., Chicago's Sanitary and Ship Canal sediment: Polycyclic aromatic hydrocarbons, polychlorinated biphenyls, brominated flame retardants, and organophosphate esters, *Chemosphere*, 2015, 134, 380-386.
51. Venier, M., Salamova, A., and Hites, R.A. Halogenated flame retardants in the Great Lakes environment, 2015, *Accounts of Chemical Research* 48 (7), 1853-1861.

52. Peverly, A.A., Ma, Y., Venier, M., Rodenburg, Z., Spak, S.N., Hornbuckle, K. H., and Hites, R.A., Variations of flame retardant, polycyclic aromatic hydrocarbon, and pesticide concentrations in Chicago's atmosphere measured using passive sampling, *Environmental Science & Technology*, 2015, 49 (9), 5371-5379
53. Salamova, A., Venier, M., and Hites, R.A., Revised temporal trends of persistent organic pollutant concentrations in air around the Great Lakes, *Environmental Science & Technology Letters*, 2015, 2 (2), 20-25.
54. Venier, M., Dove, A., Romanak, K., Backus, S., and Hites R.A., Flame retardants and legacy chemicals in Great Lakes' water, *Environmental Science & Technology*, 2014, 48 (16), 9563-9572.
55. Venier, M, and Hites R. A, DDT and HCH, two discontinued organochlorine insecticides in the Great Lakes region: Isomer trends and sources, *Environment International* (2014), 69, 159-165
56. Liu, L.-Y.; Kukučka, P.; Venier, M.; Salamova, A.; Klánova, J.; Hites, R.A., Differences in spatiotemporal variations of atmospheric PAH levels between North America and Europe: data from two air monitoring projects. *Environment International*, Volume 64, March 2014, Pages 48-55
57. Salamova, A., Ma, Y., Venier, M. and Hites, R.A., High levels of organophosphate flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology Letters*, 2014, 1 (1), pp 8-14.
58. Ma, Y., Salamova, A., Venier, M. and Hites, R. A., Has the phase-out of PBDEs affected their atmospheric levels? Trends of PBDEs and their replacements in the Great Lakes atmosphere, *Environmental Science & Technology*, 2013, 47 (20), 11457-11464.
59. Ma, Y., Venier, M. and Hites, R. A., Tribromophenoxy flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology*, 2012, 46 (24), 13112-13117.
60. Venier, M. , Ma, Y., and Hites, R. A., Bromobenzene flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology*, 2012, 46 (16), 8653-8660.
61. Venier, M., Hung, H., Tych, W. and Hites, R. A., Temporal trends of persistent organic pollutants: A comparison of different time series models, *Environmental Science & Technology*, 2012, 46 (7), 3928-3934.
62. Ma, Y., Venier, M. and Hites, R. A., 2-ethylhexyl tetrabromobenzoate and bis-2-ethylhexyl tetrabromophthalate flame retardants in the Great Lakes atmosphere, *Environmental Science & Technology*, 2012, 46 (1), 204-208.
63. Klanova, I. Diamond, M., Jones, K., Lammel, G., Lohmann, R., Pirrone, N., Scheringer, M., Balducci, C., Bidleman, T., Blaha, K., Blaha, L., Booij, K., Bouwman, H., Breivik, K., Eckhardt, S., Fiedler, H., Garrigues, P., Harner, T., Holoubek, I., Hung, H., MacLeod, M., Magulo-va, K., Mosca, S., Pistocchi, A., Simonich, S., Smedes, F., Stephanou, E., Sweetman, A., Seb-kova, K., Venier, M., Vighi, M., Vrana, B., Wania, F., Weber, R., and Weiss, P. Identifying the research and infrastructure needs for the global assessment of hazardous chemicals ten years after establishing the Stockholm Convention, *Viewpoint, Environmental Science & Technology*, 2011, 45 (18), pp 7617-7619.
64. Venier, M. and Hites, R. A., Flame retardants in the serum of pet dogs and in their food, *Environmental Science & Technology*, 2011, 45 (10), 4602-4608.

65. Venier, M. and Hites, R. A., Time trend analysis of atmospheric POPs concentrations in the Great Lakes region since 1990, *Environmental Science & Technology*, 2010, 44 (21), 8050-805.
66. Venier, M., Wierda, M., Bowerman, W. W., and Hites, R. A., Flame retardants and organochlorine pollutants in bald eagle plasma from the Great Lakes region, *Chemosphere*, Vol. 80, Issue 10, August 2010, Pages 1234-1240.
67. Venier, M. and Hites, R. A., Regression model of partial pressures of PCBs, PAHs, and organochlorine pesticides in the Great Lakes' atmosphere, *Environmental Science & Technology* 2010, 44 (2), 618-623.
68. Basu, I., Arnold, K., Venier, M. and Hites, R.A., Partial pressures of PCB-11 in air from several Great Lakes sites, *Environmental Science & Technology* 2009, 43 (17), 6488-6492.
69. Venier, M; Ferrario, J and Hites, R. A., Polychlorinated dibenzo-p-dioxins and dibenzofurans in the atmosphere around the Great Lakes, *Environmental Science & Technology* 2009, 43 (4), 1036-1041.
70. Venier, M. and Hites, R. A., Atmospheric deposition of PBDEs to the Great Lakes featuring a Monte Carlo analysis of errors, *Environmental Science & Technology* 2008, 42 (24) 9058-9064.
71. Venier, M. and Hites, R. A., Flame retardants in the atmosphere near the Great Lakes, *Environmental Science & Technology* 2008, 42 (13), 4745-4751.
72. Dye, J. A., Venier, M., Zhu, L., Ward, C. R., Hites, R. A., and Birnbaum, L. S., Elevated PBDE levels in pet cats: sentinels for humans?, *Environmental Science & Technology* 2007, 41, (18), 6350-6.
73. Venier, M. and Hites, R. A., Chiral organochlorine pesticides in the atmosphere. *Atmospheric Environment* 2007, 41, (4), 768-775.
74. Larese, F., Adami, G. Venier, M., Maina, G., and Renzi, N., In vitro percutaneous absorption of metal compounds. *Toxicology Letters* 2007, 170, (1), 49-56.
75. Adami, G., Larese, F., Venier, M., Barbieri, P., Lo Coco, F., and Reisenhofer, E., Penetration of benzene, toluene and xylenes contained in gasolines through human abdominal skin in vitro. *Toxicology in Vitro* 2006, 20, (8), 1321-1330.
76. Venier, M.; Adami, G., Larese, F., Maina, G., and Renzi, N., Percutaneous absorption of 5 gly-col ethers through human skin in vitro, *Toxicology in Vitro* 2004, 18, (5), 665-671.
77. Filon, F. L., Maina, G., Adami, G., Venier, M., Coceani, N., Bussani, R., Massiccio, M., Barbieri, P., and Spinelli, P., In vitro percutaneous absorption of cobalt, *International Archives of Occupational and Environmental Health* 2004, 77, (2), 85-89.

ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI CENTRI O GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI O PARTECIPAZIONE AGLI STESSI

FINANZIAMENTI

A) Active

“Chemical Evaluations of Great Lakes Fish-eating Birds in Michigan's Areas of Concern”. US Fish and Wildlife Services. Funding period: 08/01/2021-07/31/2022. Total awarded: \$ 193,615.
Role: Principal Investigator.

“Operation of the Integrated Atmospheric Deposition Network (IADN)”. US Environmental Protection Agency. Funding period: 09/15/2019-10/31/2024. Total awarded: \$ 6,000,000.

Role: Principal Investigator.

“Synergizing International Efforts to understand the Fate of Consumer Chemicals in the Waste System (INTERWASTE), EU, with Prof. Harrad. 01/01/2017- 12/31/2020 US institutions are not eligible to receive direct funding but IU will host 2 secondments for students/postdocs from other participants.

Role: Collaborator.

B) Pending

“Improving guidance for diving in contaminated waters”. US Navy Naval Sea Systems Command (NAVSEA). Total requested: \$ 956,000. Role: co-Principal Investigator (PI: Z. Schlader).

“Microplastic exposure and interactions with primate microbiomes and hormones”. National Science Foundation (NSF). Total requested: \$ 941,296. Role: co-Principal Investigator (PI: M. Wasserman).

“Understanding the invisible socio-environmental landscape through pesticide exposure across human-wildlife interactions in tropical forest-agricultural mosaics”. National Science Foundation (NSF). Total requested: \$ 1,586,000. Role: co-Principal Investigator (PI: M. Wasserman).

C) Completed

“Removing sources of PFAS Chemicals of Mutual Concern from the Great Lakes” Funding period: 09/1/2020-03/31/2022. Amount awarded: \$61,818.

“Flame Retardants and PFASs in Children’s and Adults Mattresses”. The Ecology Center. Funding period: 10/01/2019 - 12/31/2019. Total amount awarded: \$5,000. Role: Principal Investigator.

“Primate Ecotoxicology: Decoupling effects of naturally-occurring phytosteroids and anthropo-genic endocrine disruptors in a tropical forest-agricultural landscape mosaic”. IU Bridge Fund-ing period: 02/01/2019-01/31/2020. Total amount: \$68,568. Role: co-Principal Investigator.

“Air Pollution Exposures among a Rural Disparities Population”, NIH Academic Research Enhancement Award (AREA) Program (R15). Funding Period: 9/01/2016 - 08/31/2018. Total amount requested: \$470,249. Role: co- Investigator.

“Brominated and Organophosphate Flame Retardants in Children’s Car Seats”. The Ecology Center. Funding period: 04/01/2018 - 12/31/2018. Total amount awarded: \$5,000. Role: Principal Investigator.

“Brominated and Organophosphate Flame Retardants in Childcare Environments”, Toxic Free Future, with Amina Salamova (SPEA). Funding period: 09/21/2017-09/30/2018. Total amount awarded: \$6,000. Role: co-Principal Investigator.

“Investigation of Exposure to Flame Retardants among Electronic Waste Recycling Workers”, Ontario Ministry of Labor. Funding period: 09/2015-08/2017. Total awarded: CAD225,000. Role: co-Principal Investigator.

“Analysis of Polychlorinated Biphenyl (PCB) Congeners and Brominated, Chlorinated and Organophosphate Ester (OPE) Flame Retardants in Water Samples from Lake Michigan Tributaries”, US Geological Survey. Funding period: 01/15/2015-12/31/2017. Total awarded: \$297,450. Role: Principal Investigator.

“Brominated Flame Retardants in the Environment”, Czech-American Scientific Cooperation Program (AMVIS) with Prof. Jana Klanova, Research Centre for Toxic Compounds in the Environment, Czech Republic (\$100,000, 2012-2015): money is administered by the Czech Institution. IU hosted three student or scientists from the Czech Republic for a period of 2-3 months each year. Role: co-Principal Investigator.

ATTIVITÀ QUALI LA DIREZIONE O LA PARTECIPAZIONE A COMITATI EDITORIALI DI RIVISTE SCIENTIFICHE
(per ciascuna voce inserire anno, ruolo, rivista scientifica, ecc.)

June 2019 - January 2022: Member of Editorial Board of “Environmental Research”.

March 2015- Present: Member of Editorial Board of “Emerging Contaminants”.

PARTECIPAZIONE IN QUALITÀ DI RELATORE A CONGRESSI E CONVEGNI DI INTERESSE INTERNAZIONALE

SEMINARI SU INVITO
(DATE, TITLE, VENUE)

April 2021 - “PFAS: Forever Chemicals, today’s problem”. Wayne Carmichael Lecture in Environmental Sciences, Wright State University.

May 2016 - “Flame retardants: What's old and what's new” Presented at 16th Annual Work-shop on Brominated and Other Flame Retardants, Toronto, Canada. Plenary speaker.

September 2015 - “A Great Lakes perspective on flame retardants: lessons from the Integrated Atmospheric Deposition Network” Presented at the SCIX 2015 conference, Providence, RI. Invited speaker.

April 2012 - "Legacy and new POPs: What the North American Great Lakes can tell us; lessons from a long term atmospheric monitoring network". Plenary speaker at the 6th POPs Network Conference, Birmingham, UK.

February 2012 - "Flame Retardants in the Environment: An overview", Presented at the Flame Retardant Reduction Strategy Informal Meeting, Grand Rapids, Mi. Invited speaker.

COMUNICAZIONI ORALI
(DATE, TITLE, VENUE)

May 2021 - "The Integrated Atmospheric Deposition Network (IADN): from legacy to emerging pollutants". Presented at the 31st Meeting of the European Society of Environmental Toxicology and Chemistry, online meeting.

May 2021 - "Feces are effective biological samples for measuring pesticides and flame retardants in primates". Presented at the 31st Meeting of the European Society of Environmental Toxicology and Chemistry, online meeting.

November 2020 - "The Integrated Atmospheric Deposition Network (IADN): how to adapt to new challenges learning from the past". Presented at the 41st North American meeting of the Society of Environmental Toxicology and Chemistry, online meeting.

May 2019 - "Indoor Ambient and personal exposures to flame retardants and organophosphate esters in central Appalachia". Presented at the 9th International Symposium on Flame Retardants, Montreal, Canada.

November 2018 - "Human Exposure to Emerging Environmental Contaminants". Presented at the 39th North American meeting of the Society of Environmental Toxicology and Chemistry, Sacramento, USA.

August 2018 - "Silicone wristbands as passive samplers for the assessment of exposure to flame retardants and PAHs". Presented at the Joint Annual Meeting of the International Society of Exposure Science and the International Society for Environmental Epidemiology (ISES-ISEE 2018), Montreal, Canada.

May 2018 - "Flame retardants and perfluorinated alkyl substances (PFASs) in household dust in North America". Presented at the Dust 2018 International conference, Bari, Italy.

September 2017 - "Chasing toxic chemicals in the environment". Seminar at SPEA.

August 2017 - "Flame retardants accumulation in the paired egg and plasmas of bald eagle". Presented at the 37th International Symposium on Halogenated Persistent Organic Pollutants, Vancouver, Canada.

June 2017 - "Flame retardants are everywhere" seminar at the Human Genetic Foundation, Turin, Italy.

June 2017 - "Flame retardants: What's old and what's new" seminar at the Department of Chemistry, University of Turin, Italy.

October 2016 - "Flame retardants: What's old and what's new". Webinar for the Integrated Flame Retardant Campaign Science.

September 2014 - "Halogenated Flame Retardants: Do the fire safety benefits justify the risks?"
Presented at Improving Kid's Environment- Midwest Healthy Homes and Childcare Conference.

September 2014 - "A Great Lakes Perspective on brominated flame retardants: Lessons from the Integrated Atmospheric Deposition Network" Presented at the 34th International Symposium on Halogenated Persistent Organic Pollutants, Madrid, Spain.

November 2013 - "Organophosphorus Flame Retardants in Chicago's Atmosphere" Presented at the 34th North American meeting of the Society of Environmental Toxicology and Chemistry, Nashville, Tennessee.

November 2012 - "Organochlorine pesticides in the Great Lakes region: trends and sources",
Presented at the 33rd North American meeting of the Society of Environmental Toxicology and Chemistry, Long Beach, California.

June 2012 - "Bromobenzene flame retardants in the Great Lakes atmosphere", presented at the 13th Workshop on Brominated and other Flame Retardants, Winnipeg, Canada.

August 2011 - "Alternative flame retardants in the atmosphere near the Great Lakes". Presented at the 31st International Symposium on Halogenated Persistent Organic Pollutants, Brussels, Belgium.

June 2011 - Persistent Organic Pollutants in the air around the Great Lakes (in Italian), Dept. of Chemistry and Pharmaceutical Sciences, University of Trieste (invited).

May 2011 - "Determining the temporal trends of POPs in the atmosphere around the Great Lakes: different statistical approaches." Presented at the workshop "Identifying the research needs in the global assessment of POPs ten years after the signature of the Stockholm Convention" in Brno, Czech Republic.

May 2011 - "Emerging flame retardants in the atmosphere of the Great Lakes." Presented at the 21st Annual European Meeting of the Society of Environmental Toxicology and Chemistry, Milan, Italy, 15-19 May 2011.

November 2010 - "Identification of new brominated flame retardants in the atmosphere around the Great Lakes." Presented at the 31st North American meeting of the Society of Environmental Toxicology and Chemistry, Portland, Oregon.

September 2010 - "Measurements of brominated flame retardants in pet dogs and their food."
Presented at the 30th International Symposium on Halogenated Persistent Organic Pollutants, San Antonio, Texas.

November 2009 - "Flame retardants in plasma samples from bald eagles from the Great Lakes region."
Presented at the 30th North American meeting of the Society of Environmental Toxicology and Chemistry, New Orleans, Louisiana.

May 2009 - "Flame Retardants in plasma samples from bald eagles from the Great Lakes region." Presented at the 52nd Annual Conference of the International Association for Great Lakes Research, Toledo, Ohio.

November 2008 - "Flame retardants in plasma samples from bald eagles from the Great Lakes region."
Presented at the 29th North American meeting of the Society of Environmental Toxicology and Chemistry, Tampa, Florida. Invited speaker.

February 2008 - "Brominated flame retardants are ubiquitous: Measurements in the atmosphere and in cats." Presented at the Environmental Science and Policy Seminar Series, School of Public and Environmental Affairs, Indiana University.

April 2007 - "Measurements of PBDEs in cat serum and cat food: Is there a relationship with feline hyperthyroidism?" Presented at the 4th International Workshop on Brominated Flame Retardants, Amsterdam, the Netherlands.

May 2006 - "Atmospheric brominated flame retardants and dioxins in the Great Lakes." Presented at the 49th Annual Conference of the International Association for Great Lakes Research, Windsor, Ontario, Canada.

April 2004 - "In vitro percutaneous absorption of metal powders." Presented at the Evaluations and Predictions of Dermal Absorption of Toxic Chemicals (EDETUX) Symposium at the 9th International Conference "Perspectives in Percutaneous Penetration", La Grande Motte, France.

ORGANIZZAZIONE DI CONVEGNI DI INTERESSE INTERNAZIONALE

06/2014 Co-Organizer of the "14th Annual Workshop on Brominated and Other Flame Retardants", June 2014, Indianapolis, Indiana.

11/2020 Organizer of session titled "Great Lakes Binational Monitoring and Surveillance Programs: from legacy pollutants to chemicals of emerging concerns"; 41st North American meeting of the Society of Environmental Toxicology and Chemistry jointly with co-chairs (Dr. Daryl McGoldrick, Environment and Climate Change Canada, Canada and Dr. Wenlong Li, Environment and Climate Change Canada, Canada).

08/2017 Organizer of a session titled "Fate and Transport of POPs"; 37th International Symposium on Halogenated Persistent Organic Pollutants (DIOXIN 2017), Vancouver, Canada.

ATTIVITÀ GESTIONALI, ORGANIZZATIVE E DI SERVIZIO

INCARICHI DI GESTIONE E AD IMPEGNI ASSUNTI IN ORGANI COLLEGIALI E COMMISSIONI, PRESSO RILEVANTI ENTI PUBBLICI E PRIVATI E ORGANIZZAZIONI SCIENTIFICHE E CULTURALI, OVVERO PRESSO L'ATENEIO O ALTRI ATENEI

01/2021 - Today - Elected Board Member of the International Panel on Chemical Pollution (IPCP). IPCP was established in 2008 as an international network of researchers in the field of environmental chemistry. The IPCP aims to develop a scientifically sound and balanced view of major issues of chemical pollution and evaluate different options for chemicals management. Activities of the board members include manuscripts developments and organization of activities like workshops.

03/2020 - Today - Member of the NIEHS Human Health Exposure Analysis Resource (HHEAR) Steering Committee. The advisory panel for the HHEAR program serves two primary functions: to provide annual feedback to NIH on the program and any recommendations to NIH on the program going forward and to serve as an external perspective on applications for client services. Panels meet 3-4 times a year to review applications.

06/2019 - Reviewer for NIEHS "Superfund Hazardous Substance Research and Training" (P42) Program. Grants are submitted and reviewed every two years given the size of the applications. The P42 mechanism is multicomponent and applications have 8 - 11 components.

2008- Today Reviewer for several peer reviewed journals including Environmental Science Technology, Chemosphere, Environment International, Environmental Pollution, Science. I review about 15-20 articles per year.

MEMBERSHIPS IN INTERNATIONAL SOCIETIES

Member of the Society of Environmental Toxicology and Chemistry.
Member of the American Chemical Society.
Member of the International Panel on Chemical Pollution (IPCP)

AWARDS

05/2008 "Reviewer Excellence Award", Environmental Science & Technology

Data

05/17/2002

Luogo

Bloomington, IN, USA