2007-2008 Porter Fellowship, Bowdoin College

- 2000-2004 NSF Career Award.
- 1999-2000 Teacher of the Year, Nicholas School of the Environment, Duke University.
- 1995 Graduate Student Paper Award, Environtal Chemistry, American Chemical Society.

A.T. Stone*, A. Torrents, J. Smolen, D. Vasudevand J. Hadley1993 Adsorption of organic compounds possessing ligand donor groatpts oxide/water interfacEnvironmental Science and Technology27, 895-909.

DOCUMENTARY/WORKS OF ART

Featured inThirteen Ways, a 70 minute documentary directed and produced by Ian Cheney). In this feature, of scientists (and, for good measure, a feverientists) travel to a plot of Maine land they have never seen before. One-by-one, through all four seating walk the land and describe what they see. What unfolds is an unusual meditation upon the hure the function of the natural world and the power of different ways of seeing. The film premierer the Environmental Film Festival Washington DC, in March 2019.

FUNDING

- A. MacKay, D. Vasudevan, C. Johnston, (De)laborative Research: RUI: Novel Computational Tools to Predict Anior Resticide and Pharmaceutical Sorption to Soil Oxides National Science Foundation \$63, 759 to Bowdoin College
- A. MacKay, J. Gascon, and D. Watesvan (PIs). Collaborative Research: Cation Interactions with Soil Aluminosilicaes: Structure-Sorption Relationships Science Foundation,\$106,000 to Bowdoin College
- 2013-2014 D. Vasudeva@hemical Fate and Health Effects: Exploring Necessary Connections

- 2002-2003 D. Vasudevan, M. Miranda, W. Thom (Pals). "The missing lead link: Measuring lead in soil from historic mobile source deposition Center for Environmental Solutions, Duke University, \$10,000.
- A. MacKay (PI), D. Vasudevan (Co-**PF**)actors influencing veterinary antibiotic sorption in soils", U.S. Department of Agriculture, \$130,336-Vasudevan subcontract.
- 2000-2004 D. Vasudevan (PI). "CAREER: Interfacting impacting the chemical fate of organic compounds' National Science Foundation, \$200,000.
- 2000-2005 R. DiGulio (Center Director). Ducenter on Superfund Chemicals Impact on Reproduction and Development, D. Vasudevand A. Schuler (PIs for Project 5), "Fate and toxicity of Superfund chemicals and their metabolited tional Institute of Environmental Health Sciences\$420,000 (Project 5 budget)
- 2000-2001 D. Vasudevan (PI). "Influence of phosplscorn mobilization and ttenuation of anionic herbicides in NC Piedmont soills in plications for water quality", Water Resources Research Institute of NC \$40,000.
- 1999-2000 D. Vasudevan (PI). "Soil processes **tiffg**groundwater quality in the NC Piedmont: Contamination by organic agrochemičal**k**/ater Resources Research Institute of NC \$40,000

PRESENTATIONS AND POSTERS (* indicates presenteundergraduate co-authors underlined)

At Conferences (2000-present)

<u>S. Shaheen*, D.H. Freeman, J. Sullivan, and B</u>sudevan. Sorption of Pyridine Cations to Aluminosilicate Clays: Influence of Solid Phase Cposition and StructureAmerican Chemical Society National MeetingNew Orleans, LA, March2018

<u>J. Gome</u>z*, and D. Vasudevan. Evaluating pliteinsyethylammonium as potential probe for heterocyclic amine sorption toils Society for Advancement Officanos/Hispanics and Native Americans in Science (SACNAS) he National Diversity in STEM conference. Salt Lake City, Utah, November 2017.

<u>D H. Freeman*, J. Sullivan, S. Shah</u>e**an**¢ D. Vasudevan. Building a mechanistic understanding of the sorption of substitutevridines to aluminosilicate clay&merican Chemical Society National Meetingan Francisco, CA, Apri2017

L. Alper, A. Lopez, and D. Vasudevan. Evaloatof Salicylic Acid and Hydratropic Acid as Probe Compounds for Structurally Complex Moleculæserican Chemical Society National Meeting,San Francisco, CA, Apri2017

D. Vasudevan*. Antibiotic interactions that solid-water interfae: Implications for understanding sorption to soils and spiare sampling of natural wate Asmerican Chemical Society National Meeting Soston, MA, September 2015.

<u>A. Lopez*, R. Goyetche, K. Carter</u>, and D. Vasude Favaluation of benzylamenand salicylic acid as probes for pharmaceutical sorption to soils

D. Vasudevaħ, <u>T. Arey</u>, and <u>M. Newma</u>n. Sorption ofoanatic amines to soils and soil minerals: Implications for the fate of emerging contaminants.

<u>A. Carrasquill</u> and D. Vasudevan. Influence of compound ture on the sorption of veterinary antibiotics at the solid-water interfacted aine Water Conference ugusta, ME, Marc 2007. [poster]

<u>A. Carrasquill</u>ot and D. Vasudevan. Influence of composind cture on the sorption of cationic amines to mineral surface American Chemical Society National Meeting,

R.L. Fimmen^{*}, D. Richter, and D. Vasudevan. Deterrtiona of dissolved organic nitrogen speciation in soil extractions. Division of Geochemistrymerican Chemical Society National MeetiNg, W Orleans, LA, March 2003.

<u>E. Ralston</u>*, D. Vasudevan, E.M.Cooper, and Brithin. Kinetics of phosphate sorption to hematiker. & Waste Management Association South Atlantic States Section Metalleggh, NC, December 002.

D. Vasudevan* and E.M. Cooper. Sorption of organic anions in iron oxide rich soils: Role of soil P and Al. Division of Geochemistry, American Chemical Society National Meetioglando, FL, April2002

L. Harrington^{*}, D. Vasudevan and E.M. CoopeFJuoride sorption and associated aluminum release. Division of GeochemistryAmerican Chemical Society National Meetingrlando, FL, April 2002 [poster]

D. Vasudevan* and E.M. Coop@competition between 2,4-D and phosphate in southeastern Ultisols under varying landus@Annual Meeting of Soil Science Society of Ame@dmarlotte, NC, Octob@001.

R.L. Fimmen^{*}, M.S. Hofmockel, D.D. Richter, and Vasudevan. Characterization of DOC from natural water samples and soil extraction and Meeting of Soil Science Society of Amendemarlotte, NC, October 2001. [poster]

L. Harrington*, D. Vasudevan and M. Cooper. Fluoride sorptioned associated aluminum release in Ultisols. Annual Meeting of Soil Science Society of Amet@tarlotte, NC, Octobe2001. [poster]

W. Hwang* and D. Vasudevan. Sorption of the water Rhodamine WT in iron-oxide rich soils. Annual Meeting of Soil Science Society of Ame the arlotte, NC, Octobe 2001. [poster]

O.L.Van Exem* and D. Vasudevan. Chemometripleration of polar/ionogenic pesticide sorption onto nc piedmont UltisolsAnnual Meeting of Soil Science Society of Amen@arlotte, NC, Octobe2001. [poster]

D. Vasudevan*, E.M. Cooper and O.L. Van Exe® orption-Desorption of polar and ionogenic compounds in iron-oxide rich soils Annual ACS Colloid and Surface Symposi® itts burgh, PA, June 2001.

D. Vasudevan* P.J. Dorley, and **X**huang. Organic ligand adsorpticant the mineral-water interface: Role of tautomeric equilibriumAnnual Goldschmidt Conferendelotsprings, VA, May2001.

D. Vasudevan*, R.L. Fimmen and A.B. Franciscolulence of compound 3-D structure on adsorption at the mineral-water interface Annual Goldschmidt Conference of the principal structure on adsorption at the mineral-water interface of the structure o

D. Vasudevan*, E.M. Cooper and O.L. Van Exemterie on of polar and ionogenic herbicides in ironoxide rich NC piedmont soils Annual North Carolina Water Resources Research Conferrer adeigh, NC, March2001.

R.L. Fimmen*, A.B. Francisco, D.J. Sutton, Z.J. blate, and D. Vasudevan. Groundwater tracer Rhodamine WT.Superfund Basic Research Program Annual MeetOngidative Processes – Stress to Remediation, Chapel Hill, NC, Decemb2000 [poster]

D. Vasudevan* and E.M. Cooper. tRetion polar/ionogenic herbicides in iron oxide rich piedmont soils. Soil Science Society of Ameridatinneapolis, MN, November 2000.

D. Vasudevan* and E.M. Cooper. Sorption and deso

Soils: The nutrient bank for our food own College, Organic Garden Talks, Brunswick, ME, September 2014.

Environmental fate of pharmaceuticals and related micals: Role of sorption to soil mineral sellesley College, Department of Geoscient dellesley, MAApril 2014

Nonlinearity of cationic aromiz amine sorption to aluminosilicates and soils: Role of intermolecular cation- interactionsMassachusetts Institute of Technology, Environmental Engineering,Cambridge, MAMarch2014

Can we build an o-Gellyfish: Passisempling of pharmaceutical compoundarvard School of Public Health, Environmental Exposure and Risk - Water Group Meeting, Bostor Match 2014.

Sorption of Aromatic Amines to Soils and Soil nerver and Soil

Tyler Shonrock	Sorption of Anionic Compounds to Soils and Soil Minerals
<i>Academic Year 2017-18</i> Jorge Gomez	Evaluating phenyltrimethylammonias a potential probe for heterocyclic amine sorption to soils
Eric Guiang Sam Shaheen	Predicting the Sorption of Anic Pharmaceuticals Using Probe Compounds Predicting pyridine sorptioaltoninosilicate clays: Influence of solid phase composition and structure
Summer 2017	
Leah Alper	Prediction sorption of anionicmpounds to soils: An evaluation of probe compounds
Jorge Gomez	Evaluating phenyltrimethylammonias a potential probe for heterocyclic amine sorption to soil
Eric Guiang	Predicting the Sorption of Asinic Pharmaceuticals Using Probe Compounds
Emma Landes Sam Shaheen	Sorption Isotherms of Anic Priharmaceuticals and Probe Compounds Predicting pyridine sorption tomathosilicate clays: Influence of solid phase composition and structure
Academic Year 2016-17	
Leah Alper	Prediction sorption of anionicmpounds to soils: An evaluation of probe compounds(honors)
Danielle Freeman	Predicting the sorption of stituted pyridines to aluminosilicate clars (ors)
Summer 2016	

Leah Alper Prediction Sorption of Anionic Oppounds to Soils: An Evaluation of Probe 53 TD 0 Tc ()T

argentatus) and Leach's Storm-Petrels (Oceanodroma leucorhoa) on the
Terrestrial Ecosystem of a Sinhasland in the Bay of Fundy
John Medina Evaluation of Phenyltrimethylanonium as a Probe for Sorption of Cationic
Organic Compounds to Soils and Sediments
James Sullivan Structure based predictios ut/stituted pyridine cation exchange to soil aluminosilicates

Academic Year 2014-2015

Malik McKnight Monitoring Polar and Ionic **Ganic Pharmaceutical Chemicals in Aquatic** Ecosystems using an E**ijbr**ium Passive SamplerTc 0 Tw.187-soE.Loi Phoebe Aron Quantification of pyritic iron and

D. Vasudevan

D. Vasudevan

- 2012-2013 Chemical Hygiene Committee Claire Boothe Luce Scholarship Committee Environmental Studies Committee Gender and Women's Studies Committee Working Group on Public Engagement Bowdoin Advising Program i6upport of Academic Excellence
- 2011-2012 Chemical Hygiene Committee Claire Boothe Luce Scholarship Committee Environmental Studies Committee Gender and Women's Studies Committee McKeen Center faculty fellow
- 2010-2011 Chemical Hygiene Committee Claire Boothe Luce Scholarship Committee Environmental Studies Committee McKeen Center faculty fellow
- 2009-2010 Claire Boothe Luce Scholarship Committee Committee on Appointments, Promotion and Tenure Environmental Studies Committee McKeen Center faculty fellow (one semester)
- 2008-2009 Claire Boothe Luce Committee Committee on Appointments, Promotion and Tenure Environmental Studies Committee
- 2007-2008 on sabbatical leave
- 2006-2007 Chemical Hygiene (one semester) Committee on Curriculum and Educational Policy Environmental Studies Committee Gender and Women' Studies Committee New Course Subcommittee

June 2012 "Interactions at the interface betwe TD c .0[9