**SUBHAM DASGUPTA, BS, MS, PhD**

Assistant Professor of Environmental Toxicology

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**PROFESSIONAL APPOINTMENTS**

Aug 2022- **Assistant Professor** (Tenure-track)

Department of Biological Sciences

Clemson University, Clemson, SC

Sept 2019- Aug 2022 **Postdoctoral Scholar**

Oregon State University Superfund Trainee

Department of Environmental and Molecular Toxicology, Oregon State University

*Mentor: Dr. Robyn Tanguay*

Apr 2017- Sept 2019 **Postdoctoral Associate**

Department of Environmental Sciences, University of California Riverside

*Mentor: Dr. David Volz*

Feb 2017- Apr 2017 **Research Support Specialist**

School of Marine and Atmospheric Sciences (SoMAS), Stony Brook University, NY

*Supervisor: Dr. Anne McElroy*

**EDUCATION**

Aug 2011- Dec 2016 **PhD in Marine and Atmospheric Sciences** (focus on aquatic toxicology)

SoMAS, Stony Brook University, NY

*Advisor: Dr. Anne McElroy*

Aug 2008- July 2010 **MS in Environmental Sciences**

Department of Environmental Sciences, University of Calcutta, India

Aug 2005- July 2008 **BS in Human Physiology**

Department of Physiology, Presidency College, India

**PEER REVIEWED PUBLICATIONS**

1. O Karmach, JV Madrid, **S Dasgupta**, DC Volz, NI zur Nieden. **2022.** Embryonic Exposure to Cigarette Smoke Extract Impedes Skeletal Development and Evokes Craniofacial Defects in Zebrafish. *International Journal of Molecular Sciences* 23 (17), 9904
2. Avila-Barnard S**, Dasgupta S**, Cheng V, Reddam A, Wiegand JL, Volz DC**. 2022.** Tris(1,3-dichloro-2-propyl) phosphate disrupts the normal trajectory of cytosine methylation within developing zebrafish embryos. *Environmental Research*. In press
3. **Dasgupta S,** Leong C, Simonich MT, Truong L, Liu H, Tanguay RL. **2022.** Transcriptomic and long-term behavioral deficits associated with developmental 3.5 GHz radiofrequency radiation exposures in zebrafish. *Environmental Science and Technology Letters.* In press
4. Greer J, Magnuson J, McGruer V, Qian L, **Dasgupta S**, Volz DC, Schlenk D. **2021.** miR133b Microinjection During Early Development Targets Transcripts of Cardiomyocyte Ion Channels and Induces Oil-Like Cardiotoxicity in Zebrafish (*Danio rerio*) Embryos**.** *Chemical research in Toxicology***.** 34(10), 2209-2215
5. **Dasgupta S**, Cheng V, Volz DC. **2021.** Utilizing Zebrafish Embryos to Reveal Disruptions in Dorsoventral Patterning. *Current protocols*. 1, e179
6. **Dasgupta S**, Dunham CL, Truong L, Simonich M, Sullivan CM, Tanguay RL. **2021**. Phenotypically anchored mRNA and miRNA expression profiling in zebrafish reveals flame retardant chemical toxicity networks. *Frontiers in Cell and Developmental Biology*. 9, 654
7. McGruer V, Tanabe P, Vliet SMF, **Dasgupta S**, Qian L, Volz DC, Schlenk D. **2021**. Effects of phenanthrene exposure on cholesterol homeostasis and cardiotoxicity in zebrafish embryos. *Environmental Toxicology and Chemistry*. 40(6), 1586-1595
8. Shankar P, **Dasgupta S**, Hahn M, Tanguay RL. **2020.** A Review of the Functional Roles of the Zebrafish Aryl Hydrocarbon Receptors. *Toxicological Sciences*. 178 (2), 215-238
9. Truong L, Marvel S, Reif DM, Thomas D, **Dasgupta S**, Simonich MT, Waters KM, Tanguay RL. **2020.** The multi-dimensional embryonic zebrafish platform predicts flame retardant neurotoxicity. *Reproductive Toxicology*. 96, 359-369.
10. **Dasgupta S**, Wang G, Simonich MT, Zhang T, Truong L, Liu H, Tanguay RL. **2020.** Impact of 3.5 GHz cell phone radiofrequency on zebrafish embryonic development. *PLoS One****.*** 15(7): e0235869
11. **Dasgupta S**, Reddam A, Liu Z, Liu J, Volz DC. **2020.** High-content screening in zebrafish identifies perfluorooctanesulfonamide as a potent developmental toxicant. *Environmental Pollution*. 256, 113550
12. Cheng V, **Dasgupta S**, Reddam A, Volz DC. **2019.** Ciglitazone – a human PPARγ agonist – disrupts dorsoventral patterning in zebrafish. *PeerJ.* 7: e8054
13. Vliet SMF, **Dasgupta S**, Sparks NL, Kirkwood JS, Vollaro A, Hur M, zur Nieden NI, Volz DC. **2019.** Maternal-to-zygotic transition as a potential target for niclosamide during zebrafish embryogenesis. *Toxicology and Applied Pharmacology*. 380, 114699
14. Reddam A, Mitchell CA, **Dasgupta S**, Volz DC. **2019.** mRNA-sequencing identifies liver as a potential target organ for triphenyl phosphate in embryonic zebrafish. *Toxicological Sciences*. 172 (1), 51-62
15. **Dasgupta S**, Cheng V, Vliet SMF, Mitchell CA, Kirkwood JS, Vollaro A, Hur M, Mehdizadeh C, Volz DC. **2019**. Complex interplay among nuclear neceptor ligands, cytosine methylation, and the metabolome in driving tris(1,3-Dichloro-2-Propyl) phosphate-induced epiboly defects in zebrafish. *Environmental Science and Technology.* 53 (17), 10497-10505
16. Mitchell CA, Reddam A, **Dasgupta S**, Zhang S, Stapleton HM, Volz DC. **2019.** Diphenyl phosphate-induced toxicity during embryonic development. *Environmental Science and Technology.* 53 (7), 3908-3916
17. Xu EG, Khursigara AJ, Li S, Esbaugh AJ, **Dasgupta S**, Volz DC, Schlenk D. **2019.** mRNA-miRNA-Seq reveals neuro-cardio mechanisms of crude oil toxicity in red drum (*Sciaenops ocellatus*). *Environmental Science and Technology,* 53 (6), 3296-3305
18. Bertotto LB, **Dasgupta S**, Vliet SM, Dudley SL, Gan J, Volz DC, Schlenk D. **2019.** Evaluation of the estrogen receptor as a possible target of bifenthrin effects in the estrogenic and dopaminergic signaling pathways in zebrafish embryos. *Science of the Total Environment.* 651, 2424-2431
19. **Dasgupta S**, Cheng V, Vliet SMF, Mitchell CA, Volz DC. **2018.** Tris(1,3-dichloro-2-propyl) phosphate exposure during early-blastula alters the normal trajectory of zebrafish development. *Environmental Science and Technology,* 52 (18), 10820-10828
20. Vliet SM, **Dasgupta S**, Volz DC. **2018.** Niclosamide exposure induces epiboly delay during early zebrafish development. *Toxicological Sciences.* 166 (2), 306-317
21. Mitchell CA, **Dasgupta S**, Zhang S, Stapleton HM, Volz DC. **2018.** Nuclear receptor disruption alters Triphenyl phosphate-induced cardiotoxicity in zebrafish embryos. *Toxicological Sciences,* 163 (1), 307-318
22. **Dasgupta S**, Choyke S, Ferguson PL, McElroy AE. **2018**. Antioxidant responses and oxidative stress in sheepshead minnow larvae exposed to Corexit 9500® or its component surfactant, DOSS. *Aquatic Toxicology*, 194:10-17
23. **Dasgupta S**, Vliet SM, Kupsco A, Leet JK, Altomare D, Volz DC. **2017**. Tris(1,3-dichloro-2-propyl) phosphate disrupts dorsoventral patterning in zebrafish embryos. *PeerJ,* 5: e4156
24. Kupsco A, **Dasgupta S,** Nguyen C, Volz DC. **2017**. Dynamic alterations in DNA methylation precede tris (1, 3-dichloro-2-propyl) phosphate-induced delays in zebrafish epiboly. *Environmental Science and Technology Letters*, 9:367-373
25. **Dasgupta S,** McElroy A. **2017**.Cytotoxicity and CYP1A inhibition in rainbow trout liver (RTL-W1) cell lines exposed to dispersant Corexit 9500 and its major surfactant components. *Toxicology In Vitro*, 44:377-381
26. **Dasgupta S,** DiGuilio R, Drollette B, Plata D, Brownawell B, McElroy A. **2016**.Hypoxia depresses CYP1A induction and enhances DNA damage,but has minimal effects on antioxidant responses in sheepshead minnow (*Cyprinodon variegatus*) larvae exposed to dispersed crude oil. *Aquatic Toxicology*, 177:250-260
27. **Dasgupta S,** Huang I, McElroy A. **2015**. Hypoxia enhances toxicity of Corexit 9500 and CEWAF prepared with Louisiana Sweet Crude Oil to sheepshead minnow (*Cyprinodon variegatus*) larvae. *PLOS One* 10(6): e0128939
28. Mullick Chowdhury S, **Dasgupta S,** McElroy A, Sitharaman B. **2014**. Structural disruption increases toxicity of graphene oxide nanoribbons. *Journal of Applied Toxicology*, 34:1235-1246
29. **Dasgupta S,** Cao A, Mauer B, Yan B, Uno S, McElroy A. **2014**. Genotoxicity of oxy-PAHs to Japanese medaka (*Oryzias latipes*) embryos assessed using the comet assay. *Environmental Science and Pollution Research*, 21:13867-13876
30. Dhar TK, **Dasgupta S,** Ray D, Banerjee M. **2012**. A filtration method for rapid preparation of conjugates for immunoassay. *Journal of Immunological Methods*, 385:71-78
31. Talapatra SN, **Dasgupta S,** Guha G, Auddy M, Mukhopadhyay A. **2010**. Therapeutic efficacies of *Coriandrum sativum* aqueous extract against metronidazole-induced genotoxicity in *Channa punctatus* peripheral erythrocytes. *Food and Chemical Toxicology*, 48: 3458-3461

**BOOK CHAPTERS**

1. **Dasgupta S,** Simonich M**,** Tanguay RL**.** Zebrafish behavioral assays in toxicology. *In:* High throughput screening assays in toxicology- Methods in Molecular Biology. *Eds*. Hao Zhu, Menghang Xia. Springer Protocols.
2. **Dasgupta S**, Simonich M, Tanguay RL. Developmental toxicity assessment using zebrafish-based high throughput screening. *In:* Zebrafish- Methods in Molecular Biology. *Ed.* James Amatruda. Springer protocols (in review)

**PAST RESEARCH SUPPORT**

Vanguard Award (PIs: Liu, Dasgupta) 1/2021-1/2023

NIH/NIEHS Pacific Northwest Center for Translational Environmental Health Research (P30 Core)

**Systemic evaluation of high-band radiofrequency radiations**

This P30 pilot grant is intended to investigate behavioral, transcriptomic and metabolomic effects of high frequency RFRs and collect preliminary data for an R21/R01 application in early 2021. Total direct amount- $25,000.

3P42ES016465-12 (Tanguay/Dasgupta) 6/2021-6/2023

NIH/NIEHS Superfund Research Program (SRP)- KC Donnelly externship

**Using single cell sequencing to study immunological role of aryl hydrocarbon receptor (AHR)**

This supplement grant will provide funding for an externship to attain training in single cell sequencing at the Dartmouth Superfund Center under Drs. Bruce Stanton, Steven Leach and Britton Goodale. Total direct amount- $10,000.

**CURRENT RESEARCH SUPPORT**

**Clemson Succeeds Pilot grant**, *The Effect of Socially Assistive Robot-based Intervention on Stress and Stress-Related Biomarkers on College Students Diagnosed with Autism Spectrum Disorder,* PI: Stanojevic, Co-I: Dasgupta

**TRAINEES**

Sunil Sharma, Postdoc, PhD- Guru Nanak Dev University, India. (April 2023-)

Maria Baltazar, Undergrad, Clemson University (January 2023-)

Madeline Bryan, Undergrad, Clemson University (January 2023-)

Jacon Denton, Undergrad, Clemson University (January 2023-)

Ben Powell, Undergrad, Clemson University (January 2023-)

Alfredo Rojas, Undergrad, Clemson University (January 2023-)

Tanner Spencer, Undergrad, Clemson University (January 2023-)

Rosemaria Serradimigni, Postbac/Volunteer, Clemson University (January 2023-)

**TEACHING**

**Instructor:** BIOL4930- Developmental Health and Toxicology, Clemson (Fall 2022)

**Guest instructor:** TOX 557- Scientific Skills and Ethics, OSU (Springs 2021, 2022)

**Guest instructor:** TOX 512- Target Organ Toxicity, OSU (Winter 2021, 2022)

**Instructor:** TOX 360- The World of Poisons (Undergrad introductory toxicology course), OSU (Fall 2021)

**Teaching Assistant**: MAR 301- Environmental Microbiology Laboratory, SBU (Fall 2011, 2016)

T**eaching Practicum**: MAR 522- Environmental Toxicology and Public Health, SBU (Spring 2013)

**Teaching Assistant**: ENS 312- Population, Technology and Environment, SBU (Spring 2012)

**Teaching Assistant**: MAR 384/554-Diseases in Aquatic Organisms, SBU (Spring 2012)

**STUDENT COMMITTEES (CLEMSON)**

Haley Jo Brashears, Environmental Toxicology PhD student, Advisor: Dr. Lisa Bain (2022-)

Alanna Williams, Environmental Toxicology MS student, Advisor: Dr. Bill Baldwin (2022-)

Saidat Adeniran-Obey, Environmental Toxicology PhD student, Advisor: Dr. Julia George (2023-)

**AD HOC REVIEW FOR SCIENTIFIC JOURNALS**

*Aquatic Toxicology, Chemosphere, Ecotoxicology, Environmental and Molecular Mutagenesis, Environmental Science and Technology, Environmental Science and Technology Letters, Environmental Pollution, Environmental Toxicology and Chemistry, Environmental Toxicology and Pharmacology, Genes, International Journal of Molecular Sciences, Journal of Developmental Biology, Journal of Hazardous Materials, Journal of Pineal Research, Neurotoxicology and Teratology, PLoS One, Science of the Total Environment, Toxicology Reports*

**REVIEW OF GRANT PROPOSALS**

2023 NSF-GRFP

University of California (UCOP) Tobacco-Related Disease Research Program

2020 National Science Center, Poland- NZ7

**PROFESSIONAL AWARDS**

2022 **Best Postdoctoral Research Award (3rd)**, Molecular & Systems Biology Specialty Section, SOT

2021 **Best Postdoctoral Platform Award (2nd)**, Pacific Northwest Association of Toxicologists (PANWAT) Virtual Meeting

**Oregon State University Postdoctoral Excellence Award,** awarded by Director of Postdoctoral programs, OSU

**Dr. Dharm Singh Best Postdoctoral Abstract Award (1st),** Association of Scientists of Indian Origin (ASIO) Special Interest Group, SOT

**Best Postdoctoral Research Award (2nd)**, Molecular & Systems Biology Specialty Section, SOT

2020 **Best Postdoctoral Platform Award (1st)**, PANWAT Virtual Meeting

**Best Postdoctoral Research Award (1st)**, Molecular & Systems Biology Specialty Section, SOT

**Professional Development Award**, OSU Postdoctoral Association

2019 **Excellence in Review Award**, *Environmental Science and Technology Letters*

**Best Postdoctoral Platform Award (2nd),** PANWAT meeting, Boise, Idaho.

**Edward W. Carney Trainee Award**, Teratology Society

2016 **Travel Award**, School of Marine and Atmospheric Sciences, Stony Brook University

**Travel Award**, Pollutant Responses in Marine Organisms Conference, Trondheim, Norway

2015 **Stony Brook University Distinguished Travel Award**

2014 **Travel Award**, SETAC

**Sigma Xi Travel Award**- Awarded by Stony Brook Chapter of Sigma Xi Research Society

2013 **Best Graduate Student Poster**- Annual Conference of North Atlantic SETAC (Society for Environmental Toxicology and Chemistry), Vermont

**MEMBERSHIP AND PROFESSIONAL ACTIVITIES**

2023- **Editorial Board Member,** Neurotoxicology and Teratology

2023- **Junior Councilor,** Molecular and Systems Biology Specialty Section, SOT.

2022-2023 **Junior Councilor,** Pacific Northwest Association of Toxicologists (PANWAT)

2021-2022 **Co-chair,** Recruitment subcommittee (FASEB FRIENDS- Fostering Recruitment, Innovation, Engagement and Diversity in Sciences), Diversity, Equity, Accessibility, Inclusion (DEAI) committee, FASEB

**Member,** Asian American and Pacific Islander Serving Institutions (AAPISIs) Team, FASEB FRIENDS

**Member**, micro-RNA biomarker subcommittee within the Emerging Systems Toxicology for the Assessment of Risk (eSTAR) Committee, Health and Environmental Sciences Institute (HESI)

**Special Issue Editor** (with Dr. Sara Vliet, EPA)- *Assessing toxicity of industrial chemicals using aquatic models*- Journal of Xenobiotics

**Vice Present,** OSU Postdoctoral Association

**Treasurer**, OSU Postdoctoral Association

**Postdoctoral Representative,** Molecular and Systems Biology Specialty Section, SOT.

2020-  **Early Career Advisory Board Member**, *Environmental Advances*

2020-2022 **Postdoctoral Representative**, Committee for Diversity Initiatives, SOT

**Postdoctoral Representative**, TeamTox, OSU EMT Department

**Diversity Representative**, TeamTox, OSU EMT Department

**OSU Superfund Student/Postdoc/Alumni Network (SPAN) Representative**

**OSU Superfund Trainee Leader**

2020-2021  **Postdoctoral Representative**, PANWAT

2018- **Member**, The Teratology Society

2017- **Member**, Society of Toxicology (SOT)

2012-  **Member,** Society of Toxicology & Environmental Chemistry (SETAC)

2014- 2016 **Senator**, Stony Brook Graduate Student Organization

**Member**, Graduate Programs Committee, SoMAS

2013- 2014 **Secretary**, SoMAS Graduate Student Club

2012- 2014**Graduate Student Representative**, North Atlantic Regional Chapter of SETAC

**CONFERENCE SESSION CHAIR**

2023 “Playing with Fire: Human Exposure, Health Risks, and Safer Design of Flame Retardants” Symposium, Dasgupta- Chair, Reddam- Co-Chair, SOT 2023

**CONFERENCE PRESENTATIONS**

1. **Dasgupta S**, Leong C, Wang G, Simonich MT, Zhang T, Truong L, Tomono-Duval K, Liu H, Tanguay RL. **2022**. Using Zebrafish Embryo as a Model to Study the Biological Effects of 5G-Level Radiofrequency Radiations. SOT, San Diego (Poster)
2. **Dasgupta S**, Dunham CL, Truong L, Simonich M, Sullivan CM, Tanguay RL. **2021.** Phenotypically Anchored mRNA and miRNA Expression Profiling in Zebrafish Reveals Flame Retardant Chemical Toxicity Networks. SOT, San Diego (Platform)
3. **Dasgupta S**, LaDu JK, Tomono-Duval K, Garcia GR, Shankar P, Huang L, Tanguay RL. **2022**. Characterizing the functional role of AhR-dependent sox9b long intergenic noncoding RNA (slincR) using CRISPR-Cas9. SOT, San Diego (Poster)
4. **Dasgupta S**, Leong C, Wang G, Simonich MT, Zhang T, Truong L, Tomono-Duval K, Liu H, Tanguay RL. **2021**. Using Zebrafish Embryo as a Model to Study the Biological Effects of 5G-Level Radiofrequency Radiations. SETAC Portland (Platform)
5. **Dasgupta S**, Dunham CL, Truong L, Simonich M, Sullivan CM, Tanguay RL. **2021.** Phenotypically Anchored mRNA and miRNA Expression Profiling in Zebrafish Reveals Flame Retardant Chemical Toxicity Networks. SETAC Portland (Platform)
6. **Dasgupta S**, LaDu JK, Tomono-Duval K, Garcia GR, Shankar P, Huang L, Tanguay RL. **2021**. Characterizing the functional role of AhR-dependent sox9b long intergenic noncoding RNA (slincR) using CRISPR-Cas9. SOT, Orlando, FL Poster (Virtual)
7. **Dasgupta S**, Leong C, Wang G, Simonich MT, Zhang T, Truong L, Tomono-Duval K, Liu H, Tanguay RL. **2021**. Impacts of a 5G-level 3.5 GHz radiofrequency radiation on zebrafish embryonic development. SOT, Orlando, FL Poster (Virtual)
8. **Dasgupta S**, Leong C, Wang G, Simonich MT, Zhang T, Truong L, Tomono-Duval K, Liu H, Tanguay RL. **2020**. Impacts of a 5G-level 3.5 GHz radiofrequency radiation on zebrafish embryonic development. PANWAT 2020. Platform (Virtual)
9. **Dasgupta S**, Reddam A, Liu Z, Liu J, Volz DC. **2020.** High-content Screening in zebrafish identifies perfluorooctane sulfonamide as a potent developmental toxicant. SOT, Anaheim, CA (Platform)
10. Cheng V, **Dasgupta S**, Reddam A, Volz DC. **2020.** Ciglitazone – a human PPARγ agonist – disrupts dorsoventral patterning in zebrafish. SOT, Anaheim, CA (Poster)
11. **Dasgupta S**, Vliet SMF, Cheng V, Mitchell CA, Volz DC. **2019.** Unraveling mechanisms of tris(1,3-dichloro-2-propyl) phosphate-induced epiboly arrest in zebrafish. PANWAT Annual Meeting, Boise, ID, USA (Platform)
12. **Dasgupta S**, Cheng V, Vliet SMF, Mitchell CA, Volz DC. **2019.** TDCIPP exposure during early development alters the normal trajectory of zebrafish development. IUTOX, Honolulu, HI, USA (poster)
13. Cheng V, Reddam A, **Dasgupta S**, Volz DC. **2019.** Abberant activation of PPARγ disrupts of dorsoventral patterning during early embryogeneis in zebrafish. IUTOX, Honolulu, HI, USA (poster)
14. Reddam A, Mitchell CA, **Dasgupta S**, Volz DC. **2019.** mRNA-Sequencing identifies liver as a potential target organ for triphenyl phosphate in embryonic zebrafish. IUTOX, Honolulu, HI, USA (poster)
15. Volz DC, Kupsco A, **Dasgupta S.** **2019.** Dynamic alterations in DNA methylation precede tris (1, 3-dichloro-2-propyl) phosphate-induced delays in zebrafish epiboly. IUTOX, Honolulu, HI, USA (poster)
16. Greer JB, **Dasgupta S**, Pampanin DM, Volz DC, Schlenk D. **2019.** Overabundance of microRNA 133b induces oil-like cardiotoxicity in developing zebrafish embryos. IUTOX, Honolulu, HI, USA (poster)
17. **Dasgupta S**, Cheng V, Mitchell CA, Volz DC. **2019.** Unraveling mechanisms of tris(1,3-dichloro-2-propyl) phosphate-induced epiboly arrest in zebrafish. Teratology Society 59th Annual Meeting, San Diego (Platform)
18. Cheng V, Reddam A, **Dasgupta S**, Volz DC. **2019.** PPARγ agonist-induced disruption of dorsoventral patterning in zebrafish. Teratology Society 59th Annual Meeting, San Diego (Poster)
19. McGruer V, Vliet SM, **Dasgupta S**, Volz DC, Schlenk D. **2019.** Phenanthrene Exposure Impacts the Cholesterol Biosynthetic Pathway and is associated with PAH-dependent cardiac impairment in Zebrafish Embryos. Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans (Platform)
20. Greer JB, **Dasgupta S**, Volz DC, Schlenk D. **2019.** Overabundance of microRNA 133b induces oil-like cardiotoxicity in zebrafish (Danio rerio). Gulf of Mexico Oil Spill and Ecosystem Science Conference, New Orleans (Poster)
21. **Dasgupta S**, Cheng V, Vliet SM, Mitchell CA, Volz DC. **2018.** TDCIPP exposure during early blastula alters the normal trajectory of zebrafish development. SETAC Annual Conference, Sacramento (Poster)
22. Reddam A, Mitchell CA, **Dasgupta S**, Volz DC. **2018.** mRNA sequencing identifies liver as a potential target organ for Triphenyl phosphate in embryonic zebrafish. SETAC Annual Conference, Sacramento (Poster)
23. Cheng V, **Dasgupta S**, Volz DC. **2018.** TDCIPP exposure during gastrula induces anemia in zebrafish embryos. SETAC Annual Conference, Sacramento (Poster)
24. McGruer V, Pasparakis C, Khursigara A, Vliet SM, **Dasgupta S**, Volz DC, Esbaugh A, Grosell M, Schlenk D. **2018.** Exploring mechanisms of cardiotoxicity in crude oil exposed fish. SETAC Annual Conference, Sacramento (Poster)
25. Vliet SM, **Dasgupta S**, Volz DC. **2018.** Leveraging zebrafish to identify chemicals disrupting early embryonic development. SETAC Annual Conference, Sacramento (Platform)
26. **Dasgupta S**, Cheng V, Vliet SM, Mitchell CA, Volz DC. **2018.** TDCIPP exposure during early-blastula alters the normal trajectory of zebrafish development. Southern California Society of Toxicology Meeting (SoCal SOT), Irvine (Platform)
27. **Dasgupta S**, Cheng V, Vliet SM, Mitchell CA, Volz DC. **2018.** TDCIPP exposure during early-blastula alters the normal trajectory of zebrafish development. Southern California Zebrafish Meeting (SoCal Zebrafish), Pasadena (Platform)
28. **Dasgupta S**, Cheng V, Vliet SM, Mitchell CA, Volz DC. **2018.** TDCIPP exposure during early-blastula alters the normal trajectory of zebrafish development. Teratology Society 58th Annual Meeting, Clearwater (Platform)
29. Mitchell C, **Dasgupta S**, Zhang S, Stapleton HM, Volz DC. **2018**. Disruption of Nuclear Receptor Signaling Alters Triphenyl Phosphate-Induced Cardiotoxicity in Zebrafish Embryos. Teratology Society 58th Annual Meeting, Clearwater (Poster)
30. Vliet SM**, Dasgupta S**, Volz DC. **2018.** Niclosamide Exposure Induces Epiboly Delay during Early-Zebrafish Development. Teratology Society 58th Annual Meeting, Clearwater (Poster)
31. **Dasgupta S**, Cheng V, Vliet SM, Mitchell CA, Volz DC. **2018.** TDCIPP exposure during early-blastula alters the normal trajectory of zebrafish development. BFR 2018, Toronto, Canada (Platform)
32. Mitchell C, **Dasgupta S**, Zhang S, Stapleton HM, Volz DC. **2018**. Nuclear Receptor Disruption Alters Triphenyl Phosphate-Induced Cardiotoxicity in Zebrafish Embryos. Brominated Flame Retardants (BFR 2018), Toronto, Canada (Platform)
33. **Dasgupta S**, Vliet SM, Kupsco A, Volz DC. **2018**. Tris(1,3-dichloro-2-propyl) phosphate disrupts dorsoventral patterning in zebrafish embryos. SOT 2018, San Antonio (Poster)
34. Mitchell C, **Dasgupta S**, Zhang S, Stapleton HM, Volz DC. **2018**. Nuclear Receptor Disruption Alters Triphenyl Phosphate-Induced Cardiotoxicity in Zebrafish Embryos. SOT 2018, San Antonio (Platform)
35. Vliet SM, **Dasgupta S**, Dudley SL, Gan J, Volz DC. **2018**. Niclosamide exposure induces epiboly delay during early zebrafish development. SOT 2018, San Antonio (Poster)
36. **Dasgupta S**, Kupsco A, Vliet S, Chen J, Xu G, Chen A, Stapleton HM, Volz DC. **2017.** Tris(1,3-dichloro-2-propyl) phosphate disrupts dorsoventral patterning in zebrafish embryos. 10th Conference of Zebrafish as a Disease Model (ZDM 10), San Diego (Poster)
37. McElroy A, **Dasgupta S. 2017.** Relative toxicity of surfactant and solvent components of the oil spill dispersant Corexit 9500. 19th Pollutant Responses in Marine Organisms Conference (PRIMO 18), Matsuyama, Japan (Platform).
38. **Dasgupta S,** DiGuilio R, McElroy A. **2016.** Influence of hypoxia on hiochemical and hellular hesponses of hheepshead hinnow harvae (Cyprinodon variegatus) hxposed to oil spill contaminants. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa Bay (Poster)
39. Sparks D, **Dasgupta S,** Brownawell B, Meredith S, Green M, Lee Ferguson P, McElroy A. **2016.** Retention of DOSS and primary metabolites by sheepshead minnows *Cyprinodon variegatus.* Gulf of Mexico Oil Spill and Ecosystem Science Conference, Tampa Bay (Poster)
40. **Dasgupta S,** Huang I, McElroy A. **2015.** Hypoxia affects survival, CYP1A expression and DNA integrity in sheepshead minnow (*Cyprinodon variegatus*) larvae exposed to oil spill contaminants. 18th Pollutant Responses in Marine Organisms Conference (PRIMO 18), Trondheim, Norway (Platform)
41. **Dasgupta S,** Huang I, McElroy A. **2015.** Hypoxia enhances toxicity of Corexit 9500 and Southern Louisiana Crude oil to sheepshead minnow larvae. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Houston (Platform)
42. **Dasgupta S,** Adewale B, Brownawell B, McElroy A. **2014.** Evaluation of acute and genotoxicity of Corexit 9500 and its components on sheephead minnow larvae. SETAC Annual Conference, Vancouver, British Columbia, Canada (Platform and poster)
43. Huang I, **Dasgupta S,** McElroy A. **2014.** Hypoxia enhances toxicity of Corexit 9500 and CEWAF prepared from Louisiana Sweet Crude Oil. SETAC Annual Conference, Vancouver, British Columbia, Canada (Poster)
44. **Dasgupta S,** Adewale B, Brownawell B, McElroy A. **2014.** Toxicity of Corexit 9500 and its components on early life stages of sheepshead minnows. Gulf of Mexico Oil Spill and Ecosystem Science Conference, Alabama (Platform)
45. **Dasgupta S,** McElroy A. **2013.** Development of comet assay in fish embryos. Annual Conference of North Atlantic Regional Chapter of SETAC, Vermont (Poster- won Best Graduate Student poster)
46. **Dasgupta S,** Adewale B, Brownawell B, McElroy A. **2013.** Chemical degradation and toxicity of dispersant Corexit 9500 in early life stages of sheepshead minnow (*Cyprinodon variegatus*). Annual Conference of North Atlantic Regional Chapter of SETAC, Vermont (Platform)
47. **Dasgupta S,** Mullick Chowdhury S, Sitharaman B, McElroy A. **2012.** Effects of post productive disruption processes on toxicity of graphene oxide nanoribbons in human cell lines and Japanese medaka embryos. SETAC Annual Conference, Long Beach, California (Poster)
48. **Dasgupta S,** Mullick Chowdhury S, Sitharaman B, McElroy A. **2012.** Toxicity of sonicated graphene oxide nanoribbons in Japanese medaka embryos. Annual Conference of North Atlantic SETAC, Rhode Island (Poster)

**INVITED PRESENTATIONS:**

1. Invited webinar- “Phenotypically Anchored mRNA & miRNA Expression Profiling in Zebrafish Reveals Flame Retardant Chemical Toxicity Networks”. Health and Environmental Sciences Institute (HESI)- **2022**
2. Invited seminar- “Tris(1,3-dichloro-2-propyl) phosphate exposure during early-blastula alters the normal trajectory of zebrafish embryogenesis”- Southern California Coastal Water Research Project (SCCWRP)- **2019**.
3. Scientific Customer Webinar, Topic: “Tris(1,3-dichloro-2-propyl) phosphate exposure during early-blastula alters the normal trajectory of zebrafish embryogenesis”, Organized by Lexogen (an NGS company) and Bluebee (a bioinformatics company)- **2019**