

Dr. Abdullah Faizur Rahman

The University of Texas Rio Grande Valley
School of Earth, Environmental, and Marine Sciences
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Education

PhD, University of Arizona, 1996
Major: Soil and Water Science
MS, University of Arizona, 1994
Major: Soil and Water Science

Employment

Academic - Administrative Assignments

Academic - Administrative Assignments, Associate Professor, Indiana University, Bloomington, (2007 - 2014)
Academic - Administrative Assignments, Assistant Professor, Texas Tech University, (2005 - 2006)
Academic - Administrative Assignments, Assistant Professor, Ball State University, (2001 - 2005)

Publications

Journal Article, Academic Journal

Amy Bogolin and Drew Davis and Richard Kline and Abdullah Rahman. A drone-based survey for large, basking freshwater turtle species.: *PLOS One*. (October (4th Quarter/Autumn))

Stephanie DuBois and Brittney Lacy and Abdullah Rahman and MD Saydur Rahman. Elevated CYP1A expression detected in pinfish collected from a coastal lagoon in the southern Texas Gulf Coast: indicative of exposure to microplastics or pollutants?.: *Environmental Science and Pollution Research*. (July (3rd Quarter/Summer)) 28, : Environmental Science and Pollution Research.

Aslan Aslan and Abdullah Rahman and Scott Robeson and Muhammad Ilman. Land-use dynamics associated with mangrove deforestation for aquaculture and the subsequent abandonment of ponds.: *Science of the Total Environment*. (June) 791,
<https://www.sciencedirect.com/science/article/abs/pii/S004896972103391X?via%3Dihub>

Megan Ballard and Kevin Lee and Jason Sagers and Gabriel Venegas and Andrew McNeese and Abdullah Rahman and Preston Wilson. Application of geoacoustic inference to assess the diurnal effects of photosynthetic activity in a seagrass meadow.

Rachel Arney and Alison Shepherd and Heather Alexander and Abdullah Rahman. Soil Carbon and Nitrogen Storage in Natural and Prop-Scarred Thalassia Testudinum Seagrass Meadows.: *Estuaries and Coasts*.: 1--11.

Kevin Lee and Megan Ballard and Gabriel Venegas and Andrew McNeese and Matthew Zeh and Preston Wilson and Abdullah Rahman. Acoustic propagation in a seagrass meadow over diurnal and seasonal time scales.: *The Journal of the Acoustical Society of America*. (December) 148,
<https://asa.scitation.org/doi/abs/10.1121/1.5146879>

Amy Bogolin and Drew Davis and Krista Ruppert and Richard Kline and Abdullah Rahman. Pseudemys Gorzugi (Rio Grande Cooter) - Geographic Distribution.: *Herpetological Review*. (December) 50, : 745.
<https://ssarherps.org/publications/herpetological-review/>

Kevin Lee and Megan Ballard and Jason Sagers and Andrew McNeese and Gabriel Venegas and Jay Johnson and Preston Wilson and Abdullah Rahman. Broadband acoustic propagation in a seagrass meadow throughout a diurnal cycle.: *The Journal of the Acoustical Society of America*. 145, : 1672--1672.

Bassil El Masri and Abdullah Rahman and Danilo Dragoni. Evaluating a new algorithm for satellite-based evapotranspiration for North American ecosystems: Model development and validation.: *Agricultural and Forest Meteorology*. 268, : 234--248.

Jingfeng Xiao and Frederic Chevallier and Cecile Gomez and Luis Guanter and Jeffrey Hicke and Alfredo Huete and Kazuhito Ichii and Wenjian Ni and Yong Pang and Abdullah Rahman. Remote sensing of the terrestrial carbon cycle: A review of advances over 50 years.: *Remote Sensing of Environment*. 233, : 111383.

Gabriel Venegas and AF Rahman and Kevin Lee and Megan Ballard and Preston Wilson. Toward the Ultrasonic Sensing of Organic Carbon in Seagrass-Bearing Sediments.: *Geophysical Research Letters*. 46, : 5968--5977.

Justin Maxwell and Grant Harley and Abdullah Rahman. Annual growth rings in two mangrove species from the Sundarbans, Bangladesh demonstrate linkages to sea-level rise and broad-scale ocean-atmosphere variability.

Society of Wetland Scientists, 22 N. Carroll St, Ste 300, Madison, WI 53703: *Wetlands*. (September) 38, : 1159-1170.
Ivy Hinson and Christopher Gabler and Abdullah Rahman. Near-water spectral sensing techniques for seagrass mapping and carbon storage estimates.: *Estuarine, Coastal and Shelf Science*.

Abdullah Rahman. Remote Sensing of the terrestrial carbon cycle: A review on 50 years of advances.: *Remote Sensing of Environment*.

Gabriel Venegas and Abdullah Rahman and Lee Kevin and Ballard Megan and Wilson Preston. Toward the Ultrasonic Sensing of Organic Carbon in Seagrass-Bearing Sediments.: *Geophysical Research Letters*. (June)

M. Rahnemoonfar and Abdullah Rahman and Richard Kline and Austin Greene. Automatic seagrass disturbance pattern identification on Sonar images.: *IEEE Journal of Oceanic Engineering*. (January (1st Quarter/Winter)) 44, : 1-10.

Bassil El Masri and Abdullah Rahman and Danilo Dragoni. Evaluating a new algorithm for satellite-based evapotranspiration for North American ecosystems: Model development and validation.: *Agricultural and Forest Meteorology*. (January (1st Quarter/Winter)) 268, : 234-248.

Justin Maxwell and Grant Harley and Abdullah Rahman. Annual Growth Rings in Two Mangrove Species from the Sundarbans, Bangladesh Demonstrate Linkages to Sea-Level Rise and Broad-Scale Ocean-Atmosphere Variability.: *Wetlands*. 38, : 1159--1170.

Megan Ballard and Jason Sagers and Gabriel Venegas and Kevin Lee and Andrew McNeese and Preston Wilson and Abdullah Rahman and Justin Dubin. Application of geoacoustic inference for ecosystem monitoring of a seagrass meadow.: *The Journal of the Acoustical Society of America*. 144, : 1913--1913.

Maryam Rahnemoonfar and Abdullah Rahman and Richard Kline and Austin Greene. Automatic seagrass disturbance pattern identification on sonar images.: *IEEE Journal of Oceanic Engineering*. 44, : 132--141.

Justin Dubin and Megan Ballard and Kevin Lee and Andrew McNeese and Jason Sagers and Gabriel Venegas and Abdullah Rahman and Preston Wilson. Compressional and shear in situ measurements in the Lower Laguna Madre.: *The Journal of the Acoustical Society of America*. 143, : 1712--1712.

Gabriel Venegas and Aslan Aslan and Ivy Hinson and Abdullah Rahman and Kevin Lee and Megan Ballard and Jason Sagers and Andrew McNeese and Justin Dubin and Preston Wilson. Effect of carbon content on sound speed and attenuation of sediments in seagrass meadows.: *The Journal of the Acoustical Society of America*. 143, : 1797-1797.

Gabriel Venegas and Kevin Lee and Megan Ballard and Preston Wilson and Abdullah Rahman. Geoacoustic properties of seagrass-bearing sediments.: *The Journal of the Acoustical Society of America*. 144, : 1844--1844.

Aslan Aslan and Abdullah Rahman and Scott Robeson. Investigating the use of Alos Prism data in detecting mangrove succession through canopy height estimation.: *Ecological Indicators*. 87, : 136--143.

Abdullah Rahman. Methane Emission from Seagrass Disturbance and its Impact on Global Atmospheric Methane Budget.: *AGUFM*. 2018, : B42C--08.

Austin Greene and Abdullah Rahman and Richard Kline and MD Rahman. Side scan sonar: A cost-efficient alternative method for measuring seagrass cover in shallow environments.: *Estuarine, Coastal and Shelf Science*. 207, : 250--258.

Justin Dubin and Kevin Lee and Megan Ballard and Gabriel Venegas and Andrew McNeese and Jason Sagers and Abdullah Rahman and Preston Wilson. In situ acoustic measurements in a seagrass bed near the water-sediment interface and comparison to effective medium models.: *The Journal of the Acoustical Society of America*.

Austin Greene and Abdullah Rahman and Richard Kline and MD Rahman. Side scan sonar: a cost-efficient alternative method for measuring seagrass cover in shallow environments.: *Estuarine Coastal and Shelf Science*. (July (3rd Quarter/Summer)) 207, : 250-258.

Hao Yan and Shao-Qiang Wang and Kai-Liang Yu and Bin Wang and Qin Yu and Gil Bohrer and Dave Billesbach and Rosvel Bracho and Faiz Rahman and Herman Shugart. A Novel Diffuse Fraction-Based Two-Leaf Light Use Efficiency Model: An Application Quantifying Photosynthetic Seasonality across 20 AmeriFlux Flux Tower Sites.: *Journal of Advances in Modeling Earth Systems*. 9, : 2317--2332.

Megan Ballard and Kevin Lee and Andrew McNeese and Jason Sagers and Preston Wilson and Abdullah Rahman and Justin Dubin and Gabriel Venegas. Acoustical characterization of a seagrass meadow in the Lower Laguna Madre.: *The Journal of the Acoustical Society of America*. 142, : 2694--2694.

Taehee Hwang and Hamed Gholizadeh and Daniel Sims and Kimberly Novick and Edward Brzostek and Richard Phillips and Daniel Roman and Scott Robeson and Abdullah Rahman. Capturing species-level drought responses in a temperate deciduous forest using ratios of photochemical reflectance indices between sunlit and shaded canopies.: *Remote Sensing of Environment*. 199, : 350--359.

Taehee Hwang and Hamed Gholizadeh and Daniel Sims and Kimberly Novick and Edward Brzostek and Richard Phillips and Daniel Roman and Scott Robeson and Abdullah Rahman. Capturing species-level drought responses in

a temperate deciduous forest using ratios of photochemical reflectance indices between sunlit and shaded canopies.: *Remote Sensing of Environment*. 199, : 350–359.

Zheng Fu and Paul Stoy and Yiqi Luo and Jiquan Chen and Jian Sun and Leonardo Montagnani and Georg Wohlfahrt and Abdullah Rahman and Serge Rambal and Christian Bernhofer. Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems.: *Agricultural and Forest Meteorology*. 243, : 9--18.

Zheng Fu and Paul Stoy and Yiqi Luo and Jiquan Chen and Jian Sun and Leonardo Montagnani and Georg Wohlfahrt and Abdullah Rahman and Serge Rambal and Christian Bernhofer. Climate controls over the net carbon uptake period and amplitude of net ecosystem production in temperate and boreal ecosystems.: *Agricultural and Forest Meteorology*. 243, : 9–18.

Abdullah Rahman and Aslan Aslan. The first global-scale 30 m resolution mangrove canopy height map using Shuttle Radar Topography Mission data.: *arXiv preprint arXiv:1706.09958*.

Abdullah Rahman and Aslan Aslan. The first global-scale 30 m resolution mangrove canopy height map using Shuttle Radar Topography Mission data.: *arXiv preprint arXiv:1706.09958*.

Aslan Aslan and Abdullah Rahman and Scott Robeson. Investigating the use of ALOS PRISM data in detecting mangrove succession and disturbance through canopy height estimation. Elsevier Publications: *Ecological Indicators*.

<https://www.journals.elsevier.com/ecological-indicators/>

Aslan Aslan and Abdullah Rahman. Spatiotemporal dynamics of the conversion of tropical mangrove lands to fish/shrimp ponds, and their subsequent abandonment: A case study of Indonesia's Mahakam Delta. Wiley: *Land Degradation and Development*.

[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1099-145X](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1099-145X)

Abdullah Rahman. Peer review report 1 On "Land surface phenology of China's temperate ecosystems over 1999-2013: Spatial-temporal patterns, carry-over effects, covariation with climate and implications for productivity".: *AgFM*. 217, : 69.

Zakiuddin Januri and Siti Idris and Norazah Rahman and Sharmeela Matali and SF Manaf and AF Rahman and Syarifah Rahman. Solid char characterization from effect of radiation time study on microwave assisted pyrolysis of kitchen waste.: *J Eng Sci Technol*. 11, : 70--82.

Hamed Gholizadeh and Scott Robeson and Abdullah Rahman. Comparing the performance of multispectral vegetation indices and machine-learning algorithms for remote estimation of chlorophyll content: a case study in the Sundarbans mangrove forest.: *International Journal of Remote Sensing*. 36, : 3114--3133.

Hao Yan and Shao-qiang Wang and Dave Billesbach and Walter Oechel and Gil Bohrer and Tilden Meyers and Timothy Martin and Roser Matamala and Richard Phillips and Faiz Rahman. Improved global simulations of gross primary product based on a new definition of water stress factor and a separate treatment of C3 and C4 plants.: *Ecological Modelling*. 297, : 42--59.

DT Roman and KA Novick and ER Brzostek and D Dragoni and F Rahman and RP Phillips. The role of isohydric and anisohydric species in determining ecosystem-scale response to severe drought.: *Oecologia*. 179, : 641--654.

A Aslan and AF Rahman and M Warren and SM Robeson and T Darusman. Combined use of active and passive remote sensing for mapping distribution and biomass of coastal mangroves.: *AGUFM*. 2014, : B31F--0093.

Conference Proceedings

Kevin Lee and Megan Ballard and Andrew McNeese and Gabriel Venegas and Matthew Zeh and Preston Wilson and Abdullah Rahman. Dependence of acoustic propagation in a seagrass meadow on diurnal and seasonal time scales.

Gabriel Venegas and Megan Ballard and Kevin Lee and Andrew McNeese and Matthew Zeh and Preston Wilson and Abdullah Rahman. The development of an ultrasonic sediment probe for in situ blue carbon estimation: Toward an improved mapping tool.

Dhruva Karkada and Megan Ballard and Kevin Lee and Abdullah Rahman and Preston Wilson. Using Deep Neural Networks to Identify Natural and Anthropogenic Disturbances in Seagrass Meadows Observed in Side-scan Sonar Images.

Megan Ballard and Kevin Lee and Jason Sagers and Gabriel Venegas and Andrew McNeese and Abdullah Rahman and Preston Wilson. Use of acoustical methods for ecosystem monitoring in a seagrass meadow.

Megan Ballard and Jason Sagers and Kevin Lee and Preston Wilson and Andrew McNeese and Abdullah Rahman and Justin Dubin and Gabriel Venegas. An Investigation of the Feasibility of Acoustic Methods for Remote Sensing Carbon Stores in a Seagrass Meadow.

Taehee Hwang and Hamed Gholizadeh and Daniel Sims and Kimberly Novick and Edward Brzostek and Richard Phillips and Daniel Roman and Scott Robeson and Abdullah Rahman. Capturing Species-level Drought Responses

in a Temperate Deciduous Forest using Ratios of Photochemical Reflectance Indices between Sunlit and Shaded Canopies. 2018, : H11W--1776.

Rachel Arney and Heather Alexander and Alison Shepherd and Abdullah Rahman. Impacts of prop-scar damage on carbon and nitrogen pools in *Thalassia testudinum* seagrass meadows.

Megan Ballard and Kevin Lee and Jason Sagers and Gabriel Venegas and Andrew McNeese and Abdullah Rahman and Justin Dubin and Preston Wilson. Measurements and modeling of acoustic propagation in a seagrass meadow. 33, : 005002.

Maryam Rahnemoonfar and Masoud Yari and Abdullah Rahman and Richard Kline. The first automatic method for mapping the pothole in seagrass.: 73--80.

Maryam Rahnemoonfar and Abdullah Rahman. Automatic seagrass pattern identification on sonar images. 9844, : 98440C.

Abdullah Rahman and Aslan Aslan. Detecting red tide using spectral shapes.: 5856--5859.

Abdullah Rahman and Aslan Aslan. Detecting red tide using spectral shapes.: 5856--5859.

Karl Huemmrich and Abdullah Rahman. Remote Sensing of Terrestrial Carbon Fluxes I Posters.

Under Submission

Journal Article, Academic Journal

Abdullah Rahman. Broadband sound propagation in a seagrass meadow throughout a diurnal cycle (submitted after revision):. *Journal of the Acoustical Society of America* .

Rachel Arney and Alison Shepherd and Heather Alexander and Abdullah Rahman. Soil carbon and nitrogen storage in natural and prop-scarred *Thalassia testudinum* seagrass meadows (submitted after revision):. *Estuaries and Coasts*.

Gabriel Venegas and Abdullah Rahman and Kevin Lee and Megan Ballard and Preston Wilson. Effects of blue carbon on seagrass-bearing sediment stiffness.: *Journal of Acoustic Society of America*.

Abdullah Rahman and Aslan Aslan. Mapping spatiotemporal dynamics of the conversion of tropical mangroves to shrimp/fish ponds using radar remote sensing. USA: *Remote Sensing of Environment*.

Abdullah Rahman and Aslan Aslan and Matthew Warren. High resolution global mangrove canopy height maps and biomass characteristics. Washington DC: *Geophysical Research Letters*.

[http://agupubs.onlinelibrary.wiley.com/hub/journal/10.1002/\(ISSN\)1944-8007/](http://agupubs.onlinelibrary.wiley.com/hub/journal/10.1002/(ISSN)1944-8007/)

Hao Yan and Shaao-qiang Wang and Kai-liang YU and Bin Wang and Qin Yu and Gil Bohrer and Dave Billesbach and Rosvel Braco and Abdullah Rahman and Herman Shugart. A novel diffuse fraction-based two-leaf light use efficiency model: An application quantifying photosynthetic seasonality across 20 AmeriFlux flux tower sites. Washington DC: *Journal of Advances in Modeling Earth Systems*.

[http://agupubs.onlinelibrary.wiley.com/hub/journal/10.1002/\(ISSN\)1942-2466/](http://agupubs.onlinelibrary.wiley.com/hub/journal/10.1002/(ISSN)1942-2466/)

Justin Maxwell and Abdullah Rahman. Growth trends and climate response of two mangrove species in the Sundarbans, Bangladesh using annual tree-rings. Elsevier : *Global and Planetary Change*.

<https://www.journals.elsevier.com/global-and-planetary-change>

Contracts, Grants and Sponsored Research

Abdullah Faizur Rahman and Richard J Kline and MD SAYDUR Rahman. Grant Remote Sensing-Based Mapping, Suitability Modeling, and Carbon Sequestration Analysis of Potential Oyster Mariculture Sites Along the Texas Coast Texas Sea Grant State , 394003\$ (January 2024 - December 2025)

Richard J Kline and Abdullah Faizur Rahman. Contract Black Spotted Newt State-wide Habitat and Occurrence Assessment Texas Comptroller of Public Accounts State , 560078.7\$ (August 2018 - December 2022)

Abdullah F Rahman and Richard J Kline and MD SAYDUR Rahman. Contract Endangered Species Research Projects on Survey Methods for the Rio Grande Cooter Texas Comptroller of Public Accounts State , 248478.37\$ (September 2018 - December 2019)

Abdullah F Rahman and Richard Kline and MD S Rahman. Contract Development and Application of a Novel Suite of Field Survey Methods to Inform Conservation of the Rio Grande cooter *Pseudemys gorzugi* Texas Comptroller of Public Accounts State , 248478.37\$ (August 2018 - December 2019)

Abdullah Faizur Rahman and Richard J Kline and Brigitte Goza. Grant Clean Valley, Clean Gulf: An Innovative Marine Debris Prevention, Education and Outreach Program for the Rio Grande Valley National Oceanic and Atmospheric Administration Federal , 96625\$ (January 2015 - August 2017)

Awards and Honors

Service, Professional

Outstanding Reviewer. Elsevier (September 2018)

Presentations

and Stephanie Dubois and Abdullah Faizur Rahman and MD Saydur Rahman."Investigation environmental contamination in the Lower Laguna Madre through CYP1A expression in pinfish liver. ".Society for Integrative and Comparative Biology, Society for Integrative and Comparative Biology, Asutin, Texas. (January2020)

Amy P. Bogolin and Abdullah Faizur Rahman and Richard J. Kline and MD Saydur Rahman and Drew R. Davis."Comparing Novel and Traditional Sampling Methodologies to Assess the Population Status of the Rio Grande Cooter, *Pseudemys gorzugi*".Joint Meeting of Ichthyologists and Herpetologists, American Society of Ichthyologists and Herpetologists, Snowbird, Utah. (July 24, 2019)

Ivy Hinson and Christopher A Gabler and Abdullah Faizur Rahman and Hudson Robert Deyoe."Developing near-water spectral sensing techniques for seagrass mapping and carbon storage estimates".Texas Sea Grant Research Symposium, NOAA Texas Sea Grant, College Station, TX. (April 9, 2019)

Abdullah Faizur Rahman."Capturing Species-level Drought Responses in a Temperate Deciduous Forest using Ratios of Photochemical Reflectance Indices between Sunlit and Shaded Canopies".American Geophysical Union Annual Meeting, American Geophysical Union, Washington DC. (December 14, 2018)

Abdullah Faizur Rahman."Methane Emission from Seagrass Disturbance and its Impact on Global Atmospheric Methane Budget".American Geophysical Union Annual Meeting, American Geophysical Union, Washington DC. (December 11, 2018)

Abdullah F Rahman."A Novel Technique for Acoustic Measurement of Seagrass Sediment Carbon".International Blue Carbon Scientific Working Group Meeting, Conservation International, Weihai, China. (August 28, 2018)

Gabriel Venegas and Abdullah Faizur Rahman and Aslan Aslan and Ivy Hinson."Effect of carbon content on sound speed and attenuation of sediments in seagrass meadows".175th Meeting of the Acoustical Society of America, Acoustical Society of America, Minneapolis, MN. (May 7, 2018)

Ivy Hinson and Christopher A Gabler and Abdullah Faizur Rahman and Hudson Robert Deyoe."Developing near-water spectral sensing techniques for seagrass mapping and carbon storage estimates".NOAA 9th Biennial Education and Science Conference, Washington, DC. (March 26, 2018)

Ivy Hinson and Christopher A Gabler and Abdullah Faizur Rahman and Hudson Robert Deyoe."Developing near-water spectral sensing techniques for seagrass mapping and carbon storage estimates".UTRGV Graduate Research Symposium, Brownsville. (February 28, 2018)

Abdullah Faizur Rahman."Importance of Coastal Wetlands in Global Carbon Mitigation".College Seminar Series, Rowan University, , New Jersey, USA. (January 29, 2018)

Abdullah F Rahman and Austin Greene."Combined use of Sidescan and Parametric Sonar Data for Estimating Spatially Distributed Carbon Stocks of Seagrass Meadows".The 4th Underwater Acoustics Conference & Exhibition, European Acoustics Association, Acoustic Society of America, Skiathos Island, Greece. (September 4, 2017)

Abdullah F Rahman."Global Seagrass Mapping using Landsat-8 and Sentinel-2 Satellites".International Blue Carbon Scientific Working Group, Conservation International (CI) and Center for International Forestry Research (CIFOR), Manado, Sulawesi Island, Indonesia. (September 28, 2016)

Austin Greene and Abdullah Faizur Rahman and Richard J Kline."Combined sidescan and parametric sonar mapping of seagrass habitat and associate sediments".Texas Bays and Estuaries Meeting, National Estuarine Research Reserve, Port Aransas, Texas. (April 14, 2016)

Teaching

Teaching Experience

- BIOL 4388, Global Change Ecology, 6 Course(s)
- BIOL 5403, Adv Remote Sensing Tech, 12 Course(s)
- BIOL 6485, Graduate Research, 1 Course(s)
- BIOL 7300, Thesis I, 1 Course(s)
- BIOL 7301, Thesis II, 2 Course(s)
- EEMS 6311, Service Learning Project I, 1 Course(s)
- EEMS 6312, Service Learning Project II, 1 Course(s)
- EEMS 6585, Graduate Research, 1 Course(s)
- EEMS 7100, Continuing Thesis, 1 Course(s)
- EEMS 7300, Thesis I, 2 Course(s)
- EEMS 7301, Thesis II, 3 Course(s)
- ENVR 1402, Intro to Envr Sci II, 2 Course(s)
- ENVR 2301, Earth System Science, 1 Course(s)
- GEOL 5401, Geographic Information Systems, 4 Course(s)

GEOL 5411, Introduction to G.I.S., 4 Course(s)

MARS 3430, Marine Biology Field Methods, 4 Course(s)

MARS 5370, Top.Marine.Bio: Remote Sensing, 1 Course(s)

MARS 5370, Top.in MB-Global Envir. Change, 1 Course(s)

Non-Credit Instruction

- Other, COS, 1. (June 1, 2018 - August 3, 2018)

Directed Student Learning

Master's Thesis Committee Chair,Amy Bogolin. School of Earth, Environmental, and Marine Sciences. (September 1, 2018)

Master's Thesis Committee Chair,Ivy Hinson. School of Earth, Environmental, and Marine Sciences. (September 1, 2017 - August 30, 2019)

Dissertation Committee Member,Jay Johnson. (October 1, 2018 - July 10, 2019)

Master's Thesis Committee Chair,Austin Greene and . Side scan and parametric sonar mapping of a shallow seagrass habitat and its associated organic carbon, School of Earth, Environmental, and Marine Sciences. (August 01, 2015 - May 30, 2017)

Master's Thesis Committee Chair,Stephanie DuBois. Increasing marine debris awareness through public education and analyzing fish for microplastic and pollutant contamination, School of Earth, Environmental, and Marine Sciences. (August 01, 2015 - May 30, 2017)

Service

Department Service

Committee Chair, OCES Graduate Program (January 1, 2018)

Committee Chair, Ph.D. Planning Committee (September 1, 2017 - August 31, 2018)

Committee Chair, SEEMS Tenure and Promotion Committee (October 15, 2017 - November 15, 2017)

Committee Member, Departmental Tenure and Promotion Committee (September 01, 2017 - November 15, 2017)

Committee Member, Ph.D. Planning Committee (September 1, 2016 - August 31, 2017)

Committee Member, Post-Tenure Review Committee (September 1, 2016 - August 31, 2017)

College Service

Faculty Mentor, (July 23, 2018 - May 30, 2019)

Committee Co-Chair, COS Tenure and Promotion Committee (November 15, 2018 - February 15, 2019)

Committee Chair, COS Endowed Professorship ad-hoc Committee (September 10, 2018 - October 17, 2018)

Committee Co-Chair, College of Science Tenure and Promotion Committee (November 15, 2017 - February 15, 2018)

Committee Co-Chair, College of Science Tenure and Promotion Committee (November 15, 2016 - February 15, 2017)

University Service

Committee Member, Equity and Diversity Committee (October 18, 2018 - May 30, 2019)

Professional Service

Editor, Associate Editor, Remote Sensing (journal, impact factor 3.406). (October 29, 2018)

Guest Editor for Special Issue, ISPRS International Journal of Geo-Information (ISSN 2220-9964). (July 25, 2018)

Reviewer, Journal Article, Journal: Agricultural and Forest Meteorology. (November 25, 2018 - January 15, 2019)

Reviewer, Journal Article, Journal: European Journal of Remote Sensing. (November 22, 2018 - December 30, 2018)

Other, American Geophysical Union. (November 13, 2018 - December 30, 2018)

Reviewer, Journal Article, Journal: Ocean and Coastal Management. (October 23, 2018 - December 20, 2018)

Reviewer, Journal Article, Journal: Remote Sensing of Environment. (September 23, 2018 - October 30, 2018)

Reviewer, Journal Article, Journal: Sustainable Energy Technologies and Assessments. (September 24, 2018 - October 20, 2018)

Reviewer, Journal Article, (October 1, 2017 - September 10, 2018)

Other, University of New England, Australia. (May 31, 2018 - July 12, 2018)

Reviewer, Journal Article, (September 1, 2016 - August 31, 2017)

Professional Memberships

American Geophysical Union, (AGU) (January 01, 2001)