


NAME	DR ANUJ KULSHRESHTHA	
DESIGNATION	ASSISTANT PROFESSOR - I	
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CONTACT NUMBER	+91-8778644059	

RESEARCH INTERESTS	<ul style="list-style-type: none"> • Hydrologic optics, Remote sensing of inland waters, Satellite oceanography • Bio-optical Algorithm development and its implication to climate change • Inland and coastal water hazards, monitoring and management • Applications of Machine Learning Algorithms and Data Analytics • Application of computational techniques for assessing the vulnerability of natural disaster
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EDUCATIONAL QUALIFICATIONS:		
Name of College / University	Degree	Year
Indian Institute of Technology Madras	PhD	2018
Indian Institute of Technology Madras	M.S (By Research)- Dual Integrated	2018
Aeronautical Society of India	B.E	2010

Title of Ph.D. thesis:
DEVELOPMENT OF OPTICAL METHODS FOR REMOTE SENSING OF WATER QUALITY AND UNDERWATER VISIBILITY IN COASTAL AND INLAND WATERS

EXPERIENCE (in chronological order): Total 20 Years Research & Teaching			
Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Assistant Professor - I	Teaching faculty	Amity Institute Marine Science and Technology, Amity University, Noida, Uttar Pradesh	2019-Present

No. of Ph.D. students supervised	4 - ONGOING
No. of Post-Doc	0
No. of M.Tech. Students supervised:	2
No. of B.Tech. Students supervised:	0

PUBLICATIONS (mention total no. here)	<p>7 Details:</p> <ul style="list-style-type: none"> • Anuj Kulshreshtha and Palanisamy Shanmugam, 2015. “<u>An optical method to assess water clarity in coastal waters</u>” <i>Environmental monitoring and assessment</i>, 187(12), p.742. • Anuj Kulshreshtha and Palanisamy Shanmugam, 2017. “<u>Estimation of underwater visibility in coastal and inland waters using remote sensing data</u>” <i>Environmental monitoring and assessment</i>, 189(4), p.199.
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	<ul style="list-style-type: none"> • Anuj Kulshreshtha and Palanisamy Shanmugam, 2017. Assessment of trophic state and water quality of coastal-inland lakes based on Fuzzy Inference System. <i>Journal of Great Lakes Research</i>, 44(5), pp.1010-1025. • Anuj Kulshreshtha and Palanisamy Shanmugam, 2015 March. “<u>Estimation of Secchi Transparency in Turbid Coastal Waters</u>” <i>Aquatic Procedia</i>, 4, pp.1114-1118. • Anuj Kulshreshtha and Palanisamy Shanmugam, 2015 July. “<u>Estimation of underwater visibility from satellite ocean color data</u>” In <i>Geoscience and Remote Sensing Symposium (IGARSS), 2015 IEEE International</i> (pp. 2284-2286). IEEE. • Anuj Kulshreshtha and Palanisamy Shanmugam, 2016 May. “<u>Estimation of turbidity in coastal waters using satellite data</u>” In <i>Remote Sensing of the Oceans and Inland Waters: Techniques, Applications, and Challenges</i> (Vol. 9878, p. 987805). International Society for Optics and Photonics. • Anuj Kulshreshtha and Palanisamy Shanmugam “<u>Development of optical models for assessing the trophic status of coastal waters</u>” In <i>OCEANS 2017-Aberdeen</i>, pp. 1-7. IEEE, 2017. • A semi-analytical approach to estimate euphotic depth for optically complex coastal and inland waters- Global OCEANS 2021- OCEANS Conference – In-person and Virtual – Sept 20-23, 2021 – San Diego , Porto (Accepted for presentation) • Optical remote sensing of mass concentration of POC based on specific absorption by phytoplankton for optically complex Case 2 waters – ECSA 58 – EMECS 13 Conference- Virtual and online – 6th – 9th September 2021 (Accepted for presentation)
PATENTS (<i>total no.</i>)	0 <i>Details:</i>
RESEARCH PROJECTS Completed: (<i>total no.</i>) Ongoing: (<i>total no.</i>)	0 <i>Details:</i>
AWARDS & HONOURS/ DISTINCTIONS	1 <i>Details:</i> <ul style="list-style-type: none"> • Recipient of ELSEVIER Conference (ECSA58-EMECS13) funding under the prestigious Charles Boyden Small Grant Scheme – July 2021 for ECSA58-EMECS13 to be held between 6 th September 2021 to 9th September 2021 online live and on demand.
MEMBERSHIP with Professional/ Academic bodies	1 <i>Details:</i> <ul style="list-style-type: none"> • <i>AeSI – Aeronautical Society of India – Membership No: G-12017</i>

