

CURRICULUM VITAE

Name: **Dr. Ashutosh Srivastava**
Current Position: Professor (Associate)
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Siddharth University
Kapilvastu, Siddharth Nagar
(UP), INDIA
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Carrier highlights

Research experience: > 17 years (Post Ph.D); Teaching experience: >17 Years

8th August 2023 onwards **Associate Professor**, Department of Zoology, Siddharth University, Kapilvastu, Siddharth Nagar (UP), India

28th Oct 2022- 7th August 2023 Center Head, Center for Marine Science and Technology, Amity Institute of Biotechnology- AUUP, NOIDA,

June 2011- 7th August 2023 Asst. Professor (Grade III), Amity Institute of Biotechnology- AUUP, NOIDA, India

18th June 2011- 28th Oct 2022 Coordinator (HOI), Amity Institute of Marine Science and Technology, Amity University Uttar Pradesh (AUUP), NOIDA (U.P.) India

June 2010- May 2011 Sr. Lecturer, Amity Institute of Biotechnology- AUUP, NOIDA, India

September 2009 – June 2010 Postdoctoral fellow at NIFES, Bergen, Norway for 10 months under Norwegian Yggdrasil- young guest and doctoral researchers' Annual scholarship 2009-10.

June 2007- May 2010 Lecturer, Amity Institute of Biotechnology- AUUP, NOIDA, India

August 2006 - March 2007 Ad-hoc lecturer, Department of Zoology, S.G.T.B.Khalsa College, University of Delhi, Delhi- 110007, India

June 2005 - September 2005 Guest Scientist at National Institute of Nutrition and

- August 2004 - June 2005 Seafood Research (NIFES), Bergen, Norway.
Research Fellow at National Institute of Nutrition and Seafood Research (NIFES), Bergen, Norway under Norwegian Government Research Fellowship Programme (2004-05).
- Nov 2000 – Nov 2003 Senior Research Fellow, Department of Zoology, University of Delhi, Delhi-110007, India

Academic qualification

- 2006 Ph.D, Faculty of Science, University of Delhi, Delhi, India.
Research Area: Aquaculture nutrition.
Thesis Title: “*A Comprehensive Study on Mass Production, Biochemical Composition and Nutritional Enrichment of Some Live Fish Food Organisms*”.
- 2000 M.Sc. (Biochemistry)- Dr. B.R.A. University, Agra, India (1st division with II Rank in University).
Dissertation title: “*Quantitative estimation of rRNA for rifampicin resistance in M. tuberculosis*”.
- 1998 B.Sc. (Zoology, Botany, Chemistry) 1998. Dr. B.R.A. University, Agra, India (1st Division).

Research Interest

Larval Nutrition, Marine Pharmacology and Fish Toxicology

Scholarship/Assistantship/ award

- 3rd Octo 2021 “ESDA Senior Scientist Award 2021” By Environmental and Social Development Association (ESDA) at World Environmental Summit 2021, India International Centre, New Delhi.
- 13th Sep 2016 “Research Excellence Award” By Indus Foundation US.
- 2009-2010 Norwegian Yggdrasil- young guest and doctoral researchers'Annual scholarship 2009-10.
- 2004-2005 Norwegian Government Research Fellow.
- 2000-2003 ICAR- Senior Research Fellow.
- 1998-2000 2nd University rank holder in M.Sc (Biochemistry), Dr. B.R. Ambedkar University, Agra

Publications profile

Orcid ID: <https://orcid.org/0000-0001-7028-4596>

Scopus Author ID: 7403492679

Cumulative impact factor: 58.259

Book authored: 1 Book Chapters: 9

Research Reports: 2

Peer-reviewed research articles: 22

Abstracts in proceedings: 41

Popular articles: 5

1 Mitochondrial genome submitted to Gene Bank

10 Gene sequences submitted to Gene Bank

Detailed Publications profile

1. Books

A. (Authored)

1. **Srivastava, A.** (2010). Live food: Mass Production, Biochemical profiling and Enrichment. LAMBERT Academic publishing, Germany. ISBN 139783843363495.

B. Book Chapters

1. Reetu, Kushi Yadav, **Ashutosh Srivastava,** Monika Prakash Rai (Oct. 2023). Microalgae as Sustainable Feedstock for Biofuel Production and Value-Added Coproducts. Sangeetha Jeyabalan, Thangadurai Devarajan (eds). *In: Microalgal Biomass for Bioenergy Applications, Woodhead Series in Bioenergy Series*. ISBN: 9780443139277
2. Kameshwar Sharma YVR, Arti Srivastava, Dravie Bansal and **Ashutosh Srivastava.** Collagen from Marine Sources as a Prospective Biomaterial (August 2023). P A Hassan, Biji Balakrishnan, and A K Tyagi (Eds.) *In: Engineered Biomaterials: Progress and Prospects* Published by World Scientific <https://doi.org/10.1142/13299> .
3. Stephen James, Saniya Arfin, Manish K Mishra, Arun Kumar, Niraj Kumar Jha, Saurabh Kumar Jha, Kavindra Kumar Kesari, Prabhanshu Kumar, **Ashutosh Srivastava,** Dhruv Kumar (2022). Role of arsenic in carcinogenesis. Ed.- Kesari KK & Jha NK in Book title Free Radical Biology and Environmental Toxicity. Book series “Molecular and Integrative Toxicology”, Springer Nature. 149-169. **Scopus Indexed**

4. Bisaria K., Sinha S., **Srivastava A.**, Singh R. (2020) Marine Pharmacognosy: An Overview of Marine-Derived Pharmaceuticals. In: Nathani N.M., Mootapally C., Gadhvi I.R., Maitreya B., Joshi C.G. (eds) Marine Niche: Applications in Pharmaceutical Sciences. Springer, Singapore.- 361-381
 5. Arti Srivastava, **Ashutosh Srivastava** (2020). Microplastics: An Emerging Threat to the Aquatic Ecosystem. *In: Environmental Biotechnology Volume 1, Environmental Chemistry for a Sustainable World 44.*, Edited by Gothandam KN, Shivendu R, Gupta ND, Eric L. Publisher: Springer-Nature Switzerland AG. Page no: 113-143. ISBN: 978-3-030-38192-9
 6. Surbhi Sinha, Tithi Mehrotra, **Ashutosh Srivastava**, Arti Srivastava, Rachana Singh (2020). Nanobioremediation technologies for potential application in Environmental Cleanup. *In: Environmental Biotechnology Volume 2, Environmental Chemistry for a Sustainable World 45*, Edited by Gothandam KN, Shivendu R, Gupta ND, Eric L. Publisher: Springer-Nature Switzerland AG. Page No : 53-73. ISBN 978-3-030-38196-7
 7. Subhasha Nigam, Surbhi Sinha, Arti Srivastava, **Ashutosh Srivastava** (2020). Cultivation and Production Techniques of Marine Algae. *In. Encyclopedia of Marine Biotechnology, Volume 1, Chapter 9*, edited by Prof. Se-Kwon Kim (- Wiley- Blackwell Publication- ISBN: 978-1-119-14377-2 **Scopus Indexed**
 8. Arti Srivastava, **Ashutosh Srivastava** (2017). Oxidative stress mediated human diseases. *In: Oxidative stress: Diagnostic methods and application in medical science*, Edited by Pawan Kumar Maurya and Pranjal Chandra. Publisher: Springer, Singapore. ISBN No: 978-981-10-4711-4, page 141-151- **Scopus Indexed**
 9. **Ashutosh Srivastava**, Arti Srivastava, Ananya Srivastava, Pranjal Chandra (2015). Marine Biomaterials in therapeutics and diagnostics. *In: Springer Handbook of Marine Biotechnology*, edited by Prof. Se-Kwon Kim. Chapter 56, Page no 1247-1263. ISBN 978-3-642-53970- **Scopus Indexed**
2. [*Research Publications in peer-reviewed journals/ Special publications*](#)
1. Maurya, R., Srivastava, A., **Srivastava, A.**, Pathak, V.K., Dutta, M.K. (2023). Compound aided detection of mercury heavy metal intoxicated fish: an application of machine vision and artificial intelligence techniques. *Multimedia tools and applications* 82 (13): 20517–20536. (published online on 10th Jan 2023)- **Scopus indexed (IF 3.6)**
 2. Namita Bedi, Dhaval Srivastava, Arti Srivastava, Supratim Mahapatra, Daphika S. Dkhar, Pranjal Chandra, Ashutosh Srivastava. (2022) Marine Biological

- Macromolecules as Matrix Material for Biosensor fabrication. *Biotechnology and Bioengineering*. 119(8): 2046-2063. <https://doi.org/10.1002/bit.28122> (**Scopus indexed, Impact Factor 3.8**)
3. Namita Bedi, Dhaval Srivastava, Arti Srivastava, Supratim Mahapatra, Pranjali Chandra, **Ashutosh Srivastava**. (2022) Marine Biological Macromolecules as Matrix Material for Biosensor fabrication. *Authorea*. January 17, 2022. DOI: 10.22541/au.164242212.26602085/v1
 4. Singh, A., Gupta H., Srivastava, A., **Srivastava, A.**, Joshi, R.C., Dutta, M.K. (2021). A novel pilot study on imaging-based identification of fish exposed to heavy metal (Hg) contamination. *Journal of Food Processing and Preservation*, 45 (6): e15571. (**Scopus Indexed, Impact Factor 2.609**)
 5. Chandel, V., Srivastava, M., **Srivastava, A.**, Asthana, S. and Kumar, D. (2020). In-silico interactions of active phytochemicals with c-MYC EGFR and ERBB2 oncoproteins. *Chemical Biology Letters*, 7(1): 47-54. (**Scopus Indexed, Impact Factor 6.2 (Scopus cite factor)**)
 6. Issac, A., Srivastava, A., **Srivastava, A.** and Dutta M.K. (2019). An automated computer vision based preliminary study for the identification of a heavy metal (Hg) exposed fish- *Channa punctatus*. *Computers in Biology and Medicine*, August 2019,111:103326.- (**Scopus Indexed, Impact Factor 7.7**)
 7. R.S.Daniel and **A. Srivastava**. 2017. Collaboration between private fish/shrimp hatcheries and academia for never educational programmes. *Fishing Chimes*, 37 (9): 44-46.
 8. R.S.Daniel and **A. Srivastava**. 2017. Woes of interdisciplinary home-bound scientists in India, *CURRENT SCIENCE*, 112, NO. 904- 905. (**Scopus Indexed, Impact Factor 1.169**)
 9. R. S. Daniel and **A. Srivastava** (2016). The Science of augmenting marine finfish larval abundance is poorly studied in Indian Seas. *Aquaculture Europe*, 41(2): 32-35.
 10. A. Pathak, E. Danish, **A. Srivastava** (2016). Optimisation of *Thalassiosira weissflogii* culture regimes with reference to nitrogen inputs. *Journal of Plant Development Sciences*, 8(4): 197-199.
 11. **R.S. Daniel and A. Srivastava** (2016). A disc brush fluidized- bed pack photosynthetic system for epipsammic diatom (*Amphora ovalis*) in marine hatcheries. *Aquaculture Europe*, 41 (1): 40-41

12. **R.S. Daniel and A. Srivastava (2016).** Cell productivity of *Nannochloropsis gaditana* CCAP 849/5 in varied reactor types with different culture light paths and light regimes. *J. Algal Biomass Utln.*, 7 (1): 12- 20. **ISSN: 2229 - 6905**
13. Srivastava, A., Iqbal, P., **Srivastava, A.**, Allen, T., Singh, S. (2016). Melanophore index as an indicator for joint heavy metal toxicity in fresh water fish *Channa punctatus*. *International Journal of Pharma and Bio sciences* 7(2): (B) 95-103.
14. Srivastava, P., Srivastava, A., Singh, S., **Srivastava, A.**, (2015). The Effect of L-Ascorbic acid supplementation on the immune response of *Channa punctatus* (Bloch) exposed to lead and cadmium. *International journal of Applied Environmental science* 10 (2): 545-561.
15. Daniel R.S. and **Srivastava A.**, (2015). Tailoring nutritious microalgae for marine hatcheries. *Fishing chimes*, Vol 34 (12), March 2015:53-55.
16. **Srivastava, A.**, Hamre, K., Stoss, J., Nordgreen, A., (2012). A study on enrichment of rotifer *Brachionus* “Cayman” with iodine from different sources. *Aquaculture* 334-337: 82-88. **ISSN : 00448486. (Scopus Indexed, Impact Factor 4.5)**
17. **Srivastava, A.**, Stoss, J., Hamre, K., (2011). A study on enrichment of rotifer *Brachionus* “Cayman” with iodine and selected vitamins. *Aquaculture* 319: 430-438. **ISSN : 00448486. (Scopus Indexed, Impact Factor 4.5)**
18. **Srivastava, A.**, Roy, D., Chakrabarti, R., (2009). Phospholipid assay of *Daphnia carinata* using 1-D and 2-D NMR techniques. *International Journal of Biotechnology and Biochemistry* 5(2): 107-114. **Online ISSN: 0974-4762**
19. Hamre, K., **Srivastava, A.**, Rønnestad, I., Mangor-Jensen, A., and Stoss, J., (2008). Several micronutrients in the rotifer *Brachionus* sp. may not fulfil the nutritional requirements of marine fish larvae. *Aquaculture Nutrition*, 14: 51-60. **ISSN: 1365-2095. (Scopus Indexed, Impact Factor 3.781)**
20. **Srivastava, A.**, Hamre, K., Stoss, J., Chakrabarti, R. and Tonheim, K. S., (2006). Protein content and amino acid composition of the live feed rotifer (*Brachionus plicatilis*): with emphasis on the water soluble fraction. *Aquaculture*, 254: 534-543- **(Scopus Indexed, Impact Factor 4.5)**
21. **Srivastava, A.**, Rathore, R. M. and Chakrabarti, R., (2006). Effects of four different doses of organic manures in the production of *Ceriodaphnia cornuta*. *Bioresource Technology*, 97: 1036-1040. **ISSN no 09608524- (Scopus Indexed, Impact Factor 11.4)**
22. Kumar, S., **Srivastava, A.**, Chakrabarti, R., (2005). Study of digestive proteinases and proteinase inhibitors of *Daphnia carinata*. *Aquaculture*, 243: 367-372- **(Scopus Indexed, Impact Factor 4.5)**
23. Hamre, K., **Srivastava, A.** and Stoss, J., (2005). Micronutrients in the rotifer *Brachionus plicatilis* cultured on four different diets. *In: Lessons from the past to*

optimise the future, European Aquaculture Society Special Publication No. 35. pp. 243-244. ISBN NO, : 90-71625-19-2

24. **Srivastava, A.**, Tonheim, S, K., Chakrabarti , R., Stoss, J. and Hamre, K., (2005). Effect of four different diets on protein and amino acid profile of rotifers. *In: Lessons from the past to optimise the future*, European Aquaculture Society Special Publication No. 35. pp. 425-426. (ISBN no: 90-71625-19-2)

3. Research Publications in Conferences and Symposiums

- 1) Hemprabha Mandavi, **Ashutosh Srivastava** (2021). Collagen from Fish waste as a source of cosmetic product. Abstracts: INTERNATIONAL SYMPOSIUM OF BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING (ISBBE-2021) on “Waste Management and Innovation for Valorization: Enroute A Sustainable World and Future”. 26-27 Oct. 2021. Page no 74.
- 2) Aditi Ramesh Yadav, **Ashutosh Srivastava**, Sofia P. Das (2021). Biodiversity Conservation. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 2
- 3) Aysha Mansoor, **Ashutosh Srivastava** (2021). Conservation and biodiversity of freshwater fish. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 6
- 4) Chhavi, **Ashutosh Srivastava**, Sofia P. Das (2021). Bond of planktons with fisheries and their role in revolutionizing blue economy. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 8
- 5) Dristii, **Ashutosh Srivastava**, Sofia P. Das, (2021). Fish as food. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 9
- 6) F. Lalmangaihzuali, **Ashutosh Srivastava**, Sofia P Das (2021). Impact of Pollution in marine ecosystem and their management. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 12
- 7) Hemprabha Mandavi, **Ashutosh Srivastava** (2021). Fish as food in India. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 14 20-21 Nov 2021
- 8) Mansi Y, **Ashutosh Srivastava**, Sofia P Das (2021). Capture Fisheries and its potential decline. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 19

- 9) Nida Ali, **Ashutosh Srivastava** (2021). Recent advancement in fisheries. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 20
- 10) Savikuonuo Metha, **Ashutosh Srivastava** (2021). Fish food: Key to successful aquaculture. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 29
- 11) S. Bhattacharjee, **Ashutosh Srivastava**, Sofia P Das (2021). The culture of *L. vannamei* and the economic factors in shrimp aquaculture development. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 30
- 12) Surabhi Krishan Gulab, **Ashutosh Srivastava**, Sofia P. Das, Mayank Sharma (2021). Feeding practices of *Litopenaeus vannamei*. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 32
- 13) Triparna Chatterjee, **Ashutosh Srivastava**, Sofia P Das (2021). Fish, food and ecosystem. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 36
- 14) Upamanyu Baishya, **Ashutosh Srivastava** (2021). Role of genetics and Biotechnology in fishes. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 37
- 15) Yakshita, Sofia P Das, **Ashutosh Srivastava** (2021). Molecular identification key for aquatic species: A tool for conservation and management. Book of Abstracts. International Symposium on Sustainable Fisheries- ISSF 2021. Page No: 38
- 16) Jangpangi, D., **Srivastava, A.** and Das, S.P. (2020). Genome editing and progress in plasmid technology. Lectures & Abstracts -3rd international symposium on genomics in aquaculture (ISGA-III 2020), published by CIFA-ICAR, page no 92.
- 17) Krishnan, R., Das, S.P. and **Srivastava, A** (2020). Methods involved in production of transgenic fish. Lectures & Abstracts -3rd international symposium on genomics in aquaculture (ISGA-III 2020), published by CIFA-ICAR, page no 97.
- 18) Bhattacharjee, S., **Srivastava, A.** and Das, S.P. (2020). Role of IoTs in the smart aquaculture system. Lectures & Abstracts -3rd international symposium on genomics in aquaculture (ISGA-III 2020), published by CIFA-ICAR, page no 157.
- 19) Kumar S. and **Srivastava A.** (2019). Novel Compounds from the Sea: Current Status. *In: Proceedings of 1st International Conference Integrative Chemistry, Biology and Translational Medicine (ICBTM-2019)*. Page no 72. ISBN no. 978-93-5351-396-2.
- 20) Sharma A., Maniyambath A., **Srivastava A.**, Kumar D. Biopharmaceutical drug development: Inception. *In: Proceedings of 1st International Conference Integrative*

- Chemistry, Biology and Translational Medicine (ICBTM-2019). Page no 196. ISBN no. 978-93-5351-396-2.
- 21) Kumar S. and **Srivastava A.** (2019). Novel Molecules from the Sea: Current Status. Proceedings of the International Conference on Science, Technology, Engineering and Mathematics (STEM). Page no 209. ISBN No. 9789388296618.
 - 22) Kumar S. and **Srivastava A.** (2018). Recent advancement in marine pharmacology. “Abstract Book- National conference on disease and drugs: Emerging trends and challenges” (Student Best Oral Presentation award). Page no 74.
 - 23) Srivastava A. and **Srivastava A.** (2018). Marine Pharmacology: A Promising Wave for Novel Drug Development. “Abstract Book - National conference on disease and drugs: Emerging trends and challenges” Page no 59.
 - 24) Srivastava A, Singh S, Allen T, **Srivastava A** (2016). Oxidative Damage and Histological Response of Arsenic and Mercury Exposed Fresh Water Fish *Channa punctatus*. “New insights & Multidisciplinary Approaches in Toxicological studies- Book of Abstracts” edited by Prof Tanu Jindal, published by Excell India Publishers, (ISBN NO: 9789385777875) Page no.60-61.
 - 25) Srivastava, P., Srivastava, A., Singh, S., **Srivastava, A.**, (2014). The Effect of L- Ascorbic acid supplementation on the immune response of *Channa punctatus* (Bloch) exposed to lead and cadmium. “Book of Abstracts” Page no.452. Published by Asian Fisheries Society and ICAR-NBFGR. ISBN No: 9788190554091.
 - 26) Srivastava, A., Singh, S., Allen, T., **Srivastava, A.**, (2014). Effect of Arsenic and Cadmium mixture on oxidative stress and metal accumulation in freshwater fish *Channa punctatus*. “Book of Abstracts” Page no.461. Published by Asian Fisheries Society and ICAR-NBFGR. ISBN No: 978-81-905540-9-1.
 - 27) Morla, D.C., Rao, B.M., **Srivastava, A.**, (2014). Edible Films Incorporated with antibacterial agents for extension of shelflife of shrimp and fish. “Book of Abstracts” Page no.534 Published by Asian Fisheries Society and ICAR-NBFGR. ISBN No: 978-81-905540-9-1.
 - 28) **Srivastava, A.**, Srivastava, A., Kackar, P. (2013). Marine Pharmacology: A promise for healthy future. Poster presentation at “Global R&D Summit 2013- Destination India” Organized by FICCI. 25-26th July 2013 at New Delhi.
 - 29) **Srivastava, A.**, Srivastava, A., Singh, S., Morla, D.C. (2013). Global Warming: A Marine Prospective. Abstracts 2013. 2nd Biennial National Conference of IASN on “Global

- Warming: health Hazards & Mitigation Strategies. Agra (UP), India. 9th March 2013. Page no: 43.
- 30) Mukerji, A., Saxena, A., Srivastava, A., **Srivastava, A.** (2013). Global Warming: Threat to Marine Biodiversity. Abstracts 2013. 2nd Biennial National Conference of IASN on “Global Warming: health Hazards & Mitigation Strategies. Agra (UP), India. 9th March 2013. Page no: 42.
- 31) Mukerji, A., Srivastava, A., **Srivastava, A.** (2013). Effect of use of Pesticides in Coastal Agriculture on estuaries. Book of abstracts. National conference on Environmental Pollution, Soil, Health and Sustainable Agriculture, Noida, India. 15-17 Jan 2013. Page no 67.
- 32) Srivastava, A., **Srivastava, A.** (2013). Effect of Soil Quality on Aquaculture Production. Book of abstracts. National conference on Environmental Pollution, Soil, Health and Sustainable Agriculture, Noida, India. 15-17 Jan 2013. Page no 25.
- 33) **Srivastava, A.** Stoss, J., Hamre, K., Srivastava, A., Kapoor, A., Malhotra, R. (2011). A study on enrichment of rotifer *Brachionus* "Cayman" with iodine and selected vitamins. Book of Abstracts, "9th Indian Fisheries Forum 2011" Chennai, India, 19-23 December 2011, pp. 148..
- 34) Hamre, K., Penglase, S. J., **Srivastava, A.**, Nordgreen, A. (2011). How to produce nutritionally balanced rotifers. Presented at “Aquaculture Europe 2011” held at Rhodes, Greece on 18-21 October 2011.
- 35) **Srivastava, A.** and Raghav, S. (2008) Study of digestive proteinases and proteinase inhibitors of *B. Plicatilis*. Book of Abstracts, National conference-cum-seminar on “Emerging Trends in Biotechnology”, January 18-19, 2008, Ghaziabad (U.P.), India.
- 36) **Srivastava, A.**, Hamre. K., Stoss, J. and Chakrabarti, R. (2007). A study on Lipid and fatty acid profile of Live food *Brachionus plicatilis* cultured with different diets. Abstract, 8th Asian Fisheries forum, 20-23 November 2007, Kochi, India. Page no 360
- 37) Hamre, K., **Srivastava, A.**, og Stoss, J. (2006). Ernæringsmessig Sammensetning Av rotatoriar dyrket på fire forskjellige för. Programkonferanse HAVBRUK 2006, Bergen, Norway, 29-31 March 2006.
- 38) Chakrabarti, R., **Srivastava, A.** and Roy, D. (2005). Phospholipid assay of *Daphnia carinata* using 1-D and 2-D NMR techniques. Abstracts. Plankton symposium III, 17-20 March 2005, held at Figueira da Foz, Portugal.

- 39) **Srivastava, A.** and Chakrabarti, R. (2002). Biochemical composition of *Brachionus calyciflorus* cultured in outdoor condition. Abstracts. The Sixth Indian Fisheries Forum, 17th - 20th December, 2002, held at CIFE, Versova, Mumbai, India.
- 40) **Srivastava, A.** and Chakrabarti, R. (2002). Culture of *Ceriodaphnia cornuta* using four different doses of organic manures. Abstracts. Second Indian Fisheries Science congress, 23rd -25th Oct. 2002. CIAE, Bhopal, India.
- 41) Chakrabarti, R. and **Srivastava, A.** (2002). Effects of culture medium dose manipulation in the production cycle of *Ceriodaphnia cornuta*. Book of Abstracts. World aquaculture 2002, April 23rd -27th, 2002 Beijing, China.

4. Research Reports

- 2010 Mineral requirements of Atlantic cod (*Gadus morhua*) larvae at first feeding.
Report submitted to Research Council of Norway
- 2005 Nutrient composition of rotifers. Report submitted to Research Council of Norway

5. Popular articles/ Web Publications

1. R. S. Daniel and **A. Srivastava** (2017). Optimizing culture of the weissflogii diatom. Global Aquaculture Advocate. 3 January 2017.

Link : <http://advocate.gaalliance.org/optimizing-culture-of-the-weissflogii-diatom/>

2. R.S.Daniel, **A. Srivastava** (2016). Novel Reactor for Indoor, High-Density Production of Diatoms, Global Aquaculture Advocate. April 2016.

Link:<http://advocate.gaalliance.org/novel-reactor-developed-for-indoor-high-density-production-of-diatoms/>

3. R. Shibu Daniel and **Ashutosh Srivastava** (2016). Unconventional Live Feeds: Opportunities and Constraints. Hatchery Feed Guide & Year Book 2016 from Hatcheryfeed.com.

4. **Ashutosh Srivastava** (2014). An in-depth analysis on prospects in marine science. Published in Science on 19 March 2014 at <http://click4admission.com/>

Link: <http://click4admission.com/Dr.-Ashutosh-Srivastava/An-in-depth-analysis-on-prospects-in-Marine-Science/Science-Articles/22>

5. **Ashutosh Srivastava**, Kristin Hamre, Joachim Stoss, Andreas Nordgreen (2012). Uttesting av ulikejodforbindelser til anrikning av rotatorier (Norwegian). Date of publication 24th Jan 2012 at <http://www.forskningsradet.no>.

Link:

<http://www.forskningsradet.no/servlet/Satellite?blobcol=urldata&blobheader=application%2Fpdf&blobheadername1=ContentDisposition%3A&blobheadervalue1=+attachment%3B+filename%3D%22Vedlegg7Uttestingavulikejodforbindelser.pdf%22&blobkey=id&blobtable=MungoBlobs&blobwhere=1274482751374&ssbinary=true>

Patent

1. **Srivastava, A.** A diet supplement for the enrichment of rotifer with iodine. National patent Application Number: 2738/DEL/2011. Publication date: 22/3/2013. **(In order for grant under section 43, awaiting NBA approval)**

Gene Sequence Submitted to Gene Bank

- 1) *Pseudomonas putida* strain CMST AIMST2 16S ribosomal RNA gene, partial sequence
GenBank ACCESSION : MW757250.1
- 2) *Bacillus cereus* strain CMST AIMST1 16S ribosomal RNA gene, partial sequence
GenBank ACCESSION: MW715054.1

GenBank accession numbers for nucleotide sequences:

BankIt2457749	ATPase8_Batagur	MZ156018
BankIt2457749	ATPase6_Batagur	MZ156019
BankIt2457780	CO1	MZ156020
BankIt2457783	12SrRNA	MZ156021
BankIt2457795	CYTB	MZ156022
BankIt2457800	ND1	MZ156023
BankIt2457800	ND2	MZ156024
BankIt2457802	CR	MZ156025

Grants:

1. Project title: “Mineral requirements of Atlantic cod (*Gadus morhua*) larvae at first feeding”. (Project no: 195647/VII).

Funded By: Research Council of Norway. Project cost: NOK 1,37,000/-

Duration- September 2009-June 2010.

Work Place: NIFES, Bergen, Norway

Status- Completed

Academic Visits abroad

Norway, Belgium, Italy, Switzerland, Denmark, Germany, UK, France

Resource person/ Invited talks

- Facebook live session on “Food for fish and information related to fisheries” For the fish farmers organized by Krishi Jagran- DSR Agri Media Pvt. Ltd. On 1st October 2021.
- Delivered the invited talk on “Fish as Nutritional Food” through webinar organized by NFDB-MANAGE Aqua One Centre (AOC Kolkata) and Aqua Doctor Solutions, Kolkata on 25th September 2021 for the 4th Rastriya Poshan Maah 2021.
- Delivers talk as resource person on “Sustainable Development of Marine Tourism and Related Activities – Global Perspectives” on 27th Nov 2018, for 18 days training of Master Trainers in tourism and Business from Jakarta, Indonesia from 12th Nov- 29th Nov 2018. Organized by Amity Institute of Travel and Tourism, AUUP, NOIDA.
- Special lecture delivered as resource person at “National workshop on Protein Purification and its sustainable application in drug designing and agro waste management”. 3-9 October 2018. Organized by Jacob institute of biotechnology and Bioengineering, SHUATS, Allahabad
- “Chemiosmotic hypothesis and oxidative phosphorylation” Special lecture delivered as resource person in the training program on "Capacity Building Program for KRP's in Biology and ICT in Teaching of Science at secondary level at all India" from 1st -3rd March 2017 held at CIET, NCERT, New Delhi.
- “Neural Control and Coordination” Special lecture delivered as resource person in the training program on "Capacity Building Program for KRP's in Biology and ICT in Teaching of Science at secondary level at all India" from 1st -3rd March 2017 held at CIET, NCERT, New Delhi.
- “Gene therapy” Special lecture delivered as resource person in the training program on "Capacity Building Program for KRP's in Biology and ICT in Teaching of Science at secondary level at all India" from 1st -3rd March 2017 held at CIET, NCERT, New Delhi.

Membership

1. Patron Member Environment & Social Development Association (ESDA) (Since Sep 2021)
2. “Life Member” of Indian Science Congress Association. (Since Nov 2014).

3. Life member of Indian Fisheries Association.
4. Member secretary- **Board of Studies (BoS)**- Amity Institute of Marine Science and Technology, Amity University, Noida, India (2011-22).
5. Coordinator- **Program Review Outcome Assessment Committee (PROAC)**- Amity Institute of Biotechnology, Amity University, Noida, India (Since June 2023).
6. Chairman of the **AREA ADVISORY BOARD** for Marine science and technology stream of Bio sciences and Biotechnology domain, Amity University UP, Noida (16th May 2014- 7th August 2023).
7. Chairman- **IQAC** for Amity Institute of Marine Science and Technology Amity University, Noida (Since 22nd April 2014- 28th Oct 2022).
8. Member **Domain IQAC**- Faculty of Biosciences and Biotechnology, AUUP, Noida (upto 7th August 2023)
9. Member -Special Committee to examine the minutes of meetings of Area Advisory Board (AAB) & Course Curriculum for programs of Bio Sciences & Biotechnology Domain (12th April 2016-June 2018).
10. Member - Special Committee to Examine MoM of AAB & BoS for programs of Natural Resources and environmental science Domain (14th June 2023 to 7th August 2023).
11. Co-Chair Block Examination Management committee (BEMC) (For 16 Institutions at J Block, AUUP campus Noida) (15th Nov 2022- 7th August 2023)
12. Chairperson: Examination Committee- AIMST (2011-22)
13. Chairperson: Institutional NTCC Committee- AIMST (2011-22)
14. **Reviewer** – 3Biotech- Springer, Impact Factor-3.446 (Since 2020)
15. Reviewer-Systematics and Biodiversity–Taylor and Francis; Impact Factor: 2.347 (Since Sep 2013).
16. Reviewer-Aquaculture Nutrition –Wiley Publication House, Impact Factor: 3.781(Since 2008).
17. Member of the editorial board of : International Journal of Agriculture Innovations and Research” (ISSN: 2319-1473)
18. Member of the editorial board of : International Journal of Innovation in Science and Mathematics” (ISSN : 2347 – 9051)
19. Member of the editorial board of : International Journal of Research in Agricultural Sciences” (ISSN : 2348 – 3997)

20. Member of the scientific committee and editorial review board (Medical and Biological Sciences) of World Academy of Science, Engineering and Technology.
21. Senior member of APCBEES (Asia-Pacific Chemical, Biological and Environmental Engineering Society).

Conferences / Symposiums/forum attended / paper presented

- 1) Participated as special invitee at 17th FICCI higher education summit 2022 at IG stadium New Delhi 17-19th November 2022.
- 2) Attended World Environmental Summit 2021, India International Centre, New Delhi. 1-3rd Oct 2021. Organized by Environment and social development Association (ESDA).
- 3) Attended Seminar on “Blue Economy and Maritime Security in Indian Ocean Region (IOR), held on 13th January 2020, Jointly organized by Amity University Uttar Pradesh and National Maritime Foundation (NMF), New Delhi.
- 4) Participated at Indo-Norwegian Third Symposium Sustainable technologies for food processing and preservation on 4th-5th December 2019 at Amity University Kolkata.
- 5) National conference on Fisheries & Aquaculture: “Harnessing the Untapped potential of Fisheries and Aquaculture”, held on 13th December 2019 at Shangri-La Eros Hotel, New Delhi organized by Department of Fisheries , Ministry of Fisheries, Animal Husbandry and Dairying, GOI in collaboration with CII and FACE.
- 6) National conference on disease and drugs: Emerging trends and challenges” Held on 31st Jan- 01 Feb 2018 at Zakir Husain Collage, Delhi.
- 7) Indo- American Education Summit 2016, Organized by Indus Foundation at Vivanta by Taj Ambassador, New Delhi, 13th September 2016.
- 8) 10th Indian Fisheries and Aquaculture Forum, organized by Asian Fisheries society - Indian Branch (AFSIB) at NBFGR, Lucknow, India, 12-15 Nov 2014.
- 9) 5th Global Symposium on Gender in Aquaculture and Fisheries (GAF5), organized by Asian Fisheries Society at NBFGR, Lucknow, India, 13-15 Nov 2014.
- 10) Journals Editorial Roundtable 2014- The author- Impact, engagement and Social Media, Organized by Taylor and Francis Group on 10th Nov 2014 at Claridge Hotel, New Delhi, India.
- 11) E2E- Education to Employment Summit- Fostering Employability and Entrepreneurship 2014, Organized by CII- 17th October 2014, Noida, India.
- 12) Indo- Global education Summit 2013- Organized by The Indus Foundation- 9th Nov 2013 at IHC New Delhi, India (Special Invitee).

- 13) Global R&D Summit 2013- Destination India” Organized by FICCI. 25-26th July 2013 at New Delhi (Special Invitee).
- 14) National Technology Summit, 10th Dec 2012, IHC New Delhi, India.
- 15) International conference on “Perspectives in Phyllosphere Biology” 15th -17th Feb 2012, Noida, India.
- 16) 9th Indian Fisheries Forum 2011., 19-23 December 2011, Chennai, India.
- 17) International symposium on “Ecosystem approach to fisheries in the Bay of Bengal Large Marine Eco-system” conducted by BOBLME on 21st December 2011 at Chennai, India.
- 18) Symposium on “Fisheries Management for sustainable livelihoods” on 20th Dec 2011 at Chennai, India
- 19) Global Education & Skill Summit 2011, 28-30 Sep. 2011, New Delhi, India
- 20) “16th Technology summit and Technology platform”, 7-8 Dec. 2010, New Delhi, India.
- 21) National conference-cum-seminar on “ Emerging Trends in Biotechnology”, January 18-19, 2008, Ghaziabad (U.P.), India
- 22) 8th Asian Fisheries forum, 20-23 November 2007, Kochi, India.
- 23) Programkonferanse HAVBRUK, 29-31 March 2006. Bergen, Norway.
- 24) 4th fish and shellfish larviculture symposium ”Larvi 2005”, 5-8 September 2005, Ghent, Belgium.
- 25) International conference” Aquaculture Europe 2005”, 5-9 August 2005, Trondheim, Norway.
- 26) Plankton symposium III, 17-20 March 2005, held at Figueira da Foz, Portugal.
- 27) The Sixth Indian Fisheries Forum, 17th - 20th December, 2002, held at CIFE, Versova, Mumbai, India.
- 28) Second Indian Fisheries Science congress, 23rd -25th Oct. 2002. CIAE, Bhopal, India.
- 29) World aquaculture 2002, April 23rd -27th, 2002 Beijing, China.

Workshops / FDPs attended

- 1) International Faculty Development program Advanced Material for sustainable development- 15-19 June 2020, Organized by Dr. N.G.P. Institute of Technology, Coimbatore.
- 2) One week FDP on Recent development in translational medicine (RDTM-2018). March 12-16, 2018, Organized by Department of Biotechnology, Delhi Technological

University, Delhi.

- 3) International Workshop on Aquatic Animal Disease Surveillance, Organized by Asian fisheries Society at NBFGR, Lucknow on 14-15 Nov 2014.
- 4) FDP on Innovation and Commercialization of Technologies in Life Sciences, Organized by Amity Academic Staff College in collaboration with AIB, AUUP, Noida on 23-24 May 2013.
- 5) FDP on Interdisciplinary Approach to Bioscience Research, Organized by Amity Academic Staff College in collaboration with AIB, AUUP, Noida on 8-10 May 2013.
- 6) FDP on Research Methodology, Organized by Amity Academic Staff College, AUUP, Noida on 28-29 Jan 2013.
- 7) Attended workshop on “ National information Day in Food, Agriculture and Fisheries, and Biotechnology” organized by Jawaharlal Nehru University, New Delhi together with Amity Institute of Microbial Technology, Amity University, Noida, India on 15th May 2012.
- 8) Attended Workshop on "Pollution Prevention Paradigm" organized by Amity Institute of Environmental Toxicology, Safety and Management, Amity University Uttar Pradesh, Noida on 11th May 2012.
- 9) Workshop on Biofloc Technology: An Eco-friendly Technology for intensive Production of Fish and Prawn” held on 13-16th September 2011, Department of Zoology, University of Delhi, India
- 10) International rotifer workshop, 9 September 2005, Ghent University, Belgium.
- 11) Workshop on Probiotics in Larviculture, 7 September 2005, Ghent University, Belgium.
- 12) Workshop on Larviculture & Restocking, 6 September 2005, Ghent University, Belgium.
- 13) International workshop “Aquaculture Recirculation technology workshop” 9-10 August 2005, Trondheim, Norway, organised by European Aquaculture Society and Aquaculture Engineering Society.

Trainings

- 1) Successfully completed ICAR Sponsored Short Course on “Recent advances in Molecular Markers and Population Genomics” at NBFGR, Lucknow, held on March 10-19, 2015.
- 2) Training for rotifer enrichments at Stolt Sea Farm, Øyestranda, Norway during April 2005.
- 3) Training for rotifer culture at Stolt Sea Farm, Øyestranda, Norway during September 2004.

- 4) Training for various vitamins, minerals, fatty acids, nitrogen analysis and other techniques related with protein chemistry, at NIFES, Bergen, Norway during 2004-05.
- 5) Summer training on "Contemporary Techniques for Mycobacterial Diseases" from Central JALMA Institute for Leprosy, Agra, INDIA, during June 2000.

Organizing activities

- 1) Organized International Symposium on Sustainable Fisheries : Revolution in Blue Economy (ISSF2021) at Amity University Noida on 20-21 Nov 2021.in virtual mode.
- 2) Organized several webinars and online forum discussions
- 3) Actively participated in organizing International conference on "Perspectives in Phyllosphere Biology" 15th -17th Feb 2012, Noida, India.
- 4) Actively participated in organizing "International Symposium on Ciliate Biology" at S.G.T.B. Khalsa College, University of Delhi, Delhi, India, 6-7 Feb 2007.
- 5) Organized "Lab to Land Meet 2006", Department of Zoology, University of Delhi, Delhi-110007, India. 5th May 2006.

Personal information

Date of Birth:	April 1, 1979
Gender	Male
Nationality	Indian
Marital Status	Married
Language known	Hindi, English