

# Curriculum Vitae of Dr. Suhaib A. Bandh

## PERSONAL INFORMATION

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## Suhaib A. Bandh

- 📍 P.G. Department of Environmental Science,  
Sri Pratap College Campus Cluster University Srinagar, J&K-  
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  - 📍 Chachkoot, Awantipora, Jammu and Kashmir, India-192123  
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  - 🌐 [https://www.researchgate.net/profile/Suhaib\\_Bandh/](https://www.researchgate.net/profile/Suhaib_Bandh/)  
Sex. Male | Date of birth. 14/12/1980 | Nationality. Indian
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## PRESENT POSITION

I am currently serving as an Assistant Professor in the Department of Higher Education, Government of Jammu and Kashmir at Sri Pratap College Campus, Cluster University Srinagar. My academic responsibilities include teaching UG and PG courses in Environmental Science. I hold a Ph.D. in Environmental Science from the University of Kashmir, with my doctoral research focusing on the fungal diversity in freshwater ecosystems, with particular emphasis on pathogenic species. My research interests are primarily directed towards investigating the pathogenic attributes of various microorganisms, a topic I extensively explored during my doctoral studies.

In addition to this, my academic journey has encompassed the examination of the antimicrobial and anthelmintic properties of indigenous medicinal plants in the Kashmir valley, as well as various aspects of applied microbiology. I also possess expertise in Vermicomposting, a subject I specialized in during my M.Phil studies, and Sediment Chemistry, which was the focus of my master's dissertation.

I am affiliated with various prestigious academic organizations, such as the Academy of Plant Sciences India and I actively engage in the global scientific community by participating in numerous national and international conferences, organized by reputable scientific bodies both in India and abroad. I have authored monographs and numerous scientific publications in highly respected and impactful journals. These publications not only reflect my profound scientific insights but also highlight my experimental skills and outstanding writing abilities. In addition to my research contributions, I have undertaken significant editorial projects by completing around 20 books on various aspects of environmental science, including Freshwater Microbiology, Environmental Management, Perspectives of Environmental Science, Freshwater Mycology, Climate Change and Sustainable Agriculture with Elsevier Press, Springer Nature and Taylor and Francis.

## WORK EXPERIENCE

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- 04 Dec. 2023 Onwards**    **Assistant Professor**  
P.G. Department of Environmental Science, Sri Pratap College Campus, Cluster University Srinagar
- 01 Feb. 2021 to 04 Dec. 2023**    **Assistant Professor/Head**  
Department of Environmental Science, Govt. Degree College D.H. Pora, Jammu & Kashmir
- 28 Aug. 2019 to 31 Jan. 2021**    **Assistant Professor/Head**  
Department of Environmental Science, Govt. Degree College Pulwama, Jammu & Kashmir
- 22 Feb. 2017 to 28 Aug. 2019**    **Assistant Professor**  
P.G. Department of Environmental Science, Sri Pratap College Campus, Cluster University Srinagar
- 15 Nov. 2012 to 21 Feb. 2017**    **Lecturer Environmental Science**  
Department of School Education, Government of Jammu and Kashmir.
- April 2010 to Nov. 2012**    **Guest Lecturer**  
Department of Environmental Science/Centre of Research for Development, University of Kashmir, Srinagar-190006, J&K.
- June 2011 to Dec. 2011**    **Guest Lecturer**  
Department of Food Science and Technology, University of Kashmir, Srinagar.
- Mar. 2006 to July 2008**    **Lecturer Environmental Science**  
Al'Ahad B.Ed College Anantnag, Kashmir Teaching

## EDUCATIONAL DETAILS

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- (2010-2013)**    **Ph.D. (Environmental Science)**  
Department of Environmental Science/Centre of Research for Development, University of Kashmir, Srinagar-190006, J&K.  
**Thesis title:** "Fungal Diversity of Dal Lake Kashmir with particular Reference to pathogenic fungi"
- (June 2012)**    **NET (National Eligibility Test)**  
Qualified UGC NET in Environmental Science under Roll Number: 31890516, held by University Grants Commission, New Delhi
- (2008-2009)**    **M. Phil (Environmental Science)**  
Center of Environmental Science, School of Environmental Biology, Awadhesh Pratap Singh University, Rewa Madhya Pradesh, India  
**Thesis title:** "Vermicomposting of different wastes using earthworm species *Eisenia foetida*"
- (2006-2007)**    **B.Ed.**  
University of Kashmir, Srinagar-190006, J&K
- (2003-2005)**    **M.Sc. (Environmental Science)**  
University of Kashmir, Srinagar-190006, J&K  
**Dissertation title:** "Sediment Chemistry and Benthic fauna of Gagribal Basin of Dal lake, Kashmir"
- (2000-2003)**    **B.Sc. Science (English, Botany, Chemistry, Zoology)**  
Government Sri Pratap College, Srinagar  
University of Kashmir, Srinagar-190006, J&K India.

## PERSONAL SKILLS

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Mother Tongue (s) **Kashmiri**

Other Language (s)	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	Advanced	Advanced	Advanced	Advanced	Advanced
Urdu	Advanced	Advanced	Advanced	Advanced	Advanced
Hindi	Advanced	Advanced	Advanced	Advanced	Advanced

## COMMUNICATION SKILLS

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Good communication skills gained through my experience as a teacher and as a researcher.

## FELLOWSHIPS

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Merit Scholarship from the University of Kashmir to undertake my doctorate programme on “Fungal Diversity of Dal Lake Kashmir with particular Reference to pathogenic fungi”.

## MEMBERSHIP OF SCIENTIFIC SOCIETIES

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- \* Academic Editor “Advances in Agriculture” ISSN-ISSN: 2356-654X (Print) ISSN: 2314-7539 (Online) DOI: 10.1155/9403. <https://www.hindawi.com/journals/aag/editors/>
- \* Academic Editor “International Journal of Clinical Practices” ISSN: 1368-5031 (Print) ISSN: 1742-1241 (Online) DOI: 10.1155/ijclp. <https://www.hindawi.com/journals/ijclp/editors/>
- \* Managing Editor “Micro Environer” ISSN No.: 2783-3526. <https://micro-en-vironer.com/editorial-board/>
- \* Editorial Advisory Member “Bioresearch Bulletin” ISSN – 0976 5751 (Print) ISSN – 0976 576X (Online)
- \* Editorial Advisory Member “Journal of Wildlife Biology & Conservation” ISSN – 0976 5751 (Print) ISSN – 0976 576X(Online)
- \* Technical Editorial Board Member “Journal of Environmental Science and Tech-nology”. <https://www.ansinet.com/eboard.php?issn=1994-7887>
- \* Editorial Board Member “Journal of Technology and Innovation (JTIN)” Official Publication Journal for Ho Chi Minh city University of Technology (HUTECH) ISSN: 2773-6202 (Online) <https://jtin.com.my/editorial-board/>
- \* Member Board of Post Graduate Studies in Environmental Science, Cluster Uni-versity Srinagar
- \* Member Board of Undergraduate Studies in Environmental Science, University of Kashmir, Srinagar
- \* Life Member Academy of Plant Sciences India
- \* Life Member National Environmental Science Academy of India

1. M.M.M. Islam, Sana Shafi, **Suhaib A. Bandh** and Nowsheen Shameem. (2019) Impact of environmental changes and human activities on bacterial diversity of lakes . In: Freshwater Microbiology: Perspectives of Bacterial Dynamics in Lake Ecosystems by Suhaib A. Bandh, Sana Shafi, Nowsheen Shameem. pp: 105-136. Academic Press. Elsevier. <https://www.sciencedirect.com/science/article/pii/B9780128174951000037>
2. **Suhaib A. Bandh**, Sana Shafi, Nowsheen Shameem, Rubiya Dar, Azra N. Kamili and Bashir A. Ganai. (2019) Spatio- temporal patterns of bacterial diversity along environmental gradients and bacterial attachment to organic aggregates. In: Freshwater Microbiology: Perspectives of Bacterial Dynamics in Lake Ecosystems by Suhaib A. Bandh, Sana Shafi, Nowsheen Shameem. pp: 73-104. Academic Press. Elsevier. <https://www.sciencedirect.com/science/article/pii/B9780128174951000049>
3. Rubiya Dar, **Suhaib A. Bandh**, Sana Shafi and Nowsheen Shameem. (2019) Bacterial diversity of the rock- water interface in freshwater ecosystem. In: Freshwater Microbiology: Perspectives of Bacterial Dynamics in Lake Ecosystems by Suhaib A. Bandh, Sana Shafi, Nowsheen Shameem. pp: 137-174. Academic Press. Elsevier. <https://www.sciencedirect.com/science/article/pii/B9780128174951000025>
4. Sana Shafi, Rouf Ahmad Bhat, **Suhaib A. Bandh**, Nowsheen Shameem, and Humeera Nisa. (2019). Microbes: Key agents in a Sustainable Environment and the Cycling of Nutrients. In: Environmental Contamination and Remediation. Yasir Anwar, Khalid Rehman Hakim and Hesham F Alharby. pp: 168-185. Cambridge Scholars Publishing. <https://www.cambridgescholars.com/resources/pdfs/978-1-5275-1404-1-sample.pdf>
5. Basharat Mushtaq, **Suhaib A. Bandh** and Sana Shafi. (2020). Management of Natural Resources. In: Environmental Management: Environmental Issues, Awareness and Abatement by Basharat Mushtaq, Suhaib A. Bandh and Sana Shafi pp: 1-46. Springer Singapore. [https://link.springer.com/chapter/10.1007/978-981-15-3813-1\\_1](https://link.springer.com/chapter/10.1007/978-981-15-3813-1_1)
6. Basharat Mushtaq, **Suhaib A. Bandh** and Sana Shafi. (2020). Air Pollution and Its Abatement. In: Environmental Management: Environmental Issues, Awareness and Abatement by Basharat Mushtaq, Suhaib A. Bandh and Sana Shafi pp: 47-93. Springer Singapore. [https://link.springer.com/chapter/10.1007/978-981-15-3813-1\\_2](https://link.springer.com/chapter/10.1007/978-981-15-3813-1_2)
7. Basharat Mushtaq, **Suhaib A. Bandh** and Sana Shafi. (2020). Environmental Education and Environmental Impact Assessment. In: Environmental Management: Environmental Issues, Awareness and Abatement by Basharat Mushtaq, Suhaib A. Bandh and Sana Shafi pp: 95-148. Springer Singapore. [https://link.springer.com/chapter/10.1007/978-981-15-3813-1\\_3](https://link.springer.com/chapter/10.1007/978-981-15-3813-1_3)
8. Basharat Mushtaq, **Suhaib A. Bandh** and Sana Shafi. (2020). Environmental Acts and Legislation. In: Environmental Management: Environmental Issues, Awareness and Abatement by Basharat Mushtaq, Suhaib A. Bandh and Sana Shafi pp: 149-184. Springer Singapore. [https://link.springer.com/chapter/10.1007/978-981-15-3813-1\\_4](https://link.springer.com/chapter/10.1007/978-981-15-3813-1_4)
9. Basharat Mushtaq, **Suhaib A. Bandh** and Sana Shafi. (2020). Management of Natural Resources. In: Environmental Management: Environmental Issues, Awareness and Abatement by Basharat Mushtaq, Suhaib A. Bandh and Sana Shafi pp: 185-218. Springer Singapore. [https://link.springer.com/chapter/10.1007/978-981-15-3813-1\\_5](https://link.springer.com/chapter/10.1007/978-981-15-3813-1_5)
10. Irteza Qayoom, Haika Mohi-Ud-Din, Aqsa Khursheed, Aashia Beigh, and **Suhaib A. Bandh** (2022) Climate Change and Its Influence on Microbial Diversity, Communities, and Processes. In: Climate Change and Microbes: Impacts and Vulnerability by Javid A. Parray, Suhaib A. Bandh and Nowsheen Shameem. <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003189725-4/climate-change-influence-microbial-diversity-communities-processes-irteza-qayoom-haika-mohi-ud-din-aqsa-khursheed-aashia-alfat-suhaib-bandh>

11. Tanzeela Rehman, Shahnaz Bashir, Mohazib Nabi, and **Suhaib A. Bandh** (2022) Climate Change and Microbial Aquatic Life. In: Climate Change and Microbes: Impacts and Vulnerability by Javid A. Parray, Suhaib A. Bandh and Nowsheen Shameem. <https://www.taylorfrancis.com/chapters/edit/10.1201/9781003189725-6/climate-change-microbial-aquatic-life-tanzeela-rehman-shahnaz-bashir-mohazib-nabi-suhaib-bandh>
12. Vincent Happy Ogwugwa, JoyOgwugwa and **Suhaib A. Bandh** (2022). Mycoloop: role in shaping aquatic ecosystems. In: Freshwater Mycology: Perspectives of Fungal Dynamics in Freshwater Ecosystems by Suhaib A. Bandh and Sana Shafi. pp: 117-133. Elsevier Inc. USA. <https://www.sciencedirect.com/science/article/pii/B9780323912327000106>
13. Fayaz A. Malla, Aiman Mushtaq, **Suhaib A. Bandh**, Irteza Qayoom, Anh Tuan Hoang & Shahid-e-Murtaza (2022). Understanding Climate Change: Scientific Opinion and Public Perspective. In: Climate Change: The Social and Scientific Construct by Suhaib A. Bandh. Springer Nature Switzerland. [https://link.springer.com/chapter/10.1007/978-3-030-86290-9\\_1](https://link.springer.com/chapter/10.1007/978-3-030-86290-9_1)
14. Fayaz A. Malla and **Suhaib A. Bandh** (2022). Aquatic microalgal biofuel production. In: Valorization of Microalgal Biomass and Wastewater Treatment by Suhaib A. Bandh and Fayaz A. Malla. pp: 333-356. Elsevier Inc. USA. <https://www.sciencedirect.com/science/article/pii/B9780323918695000090>
15. Fayaz A. Malla, Nazir Ahmad Sofi, Navindu Gupta and **Suhaib A. Bandh** (2022). Valorization of microalgae for biogas methane enhancement. In: Valorization of Microalgal Biomass and Wastewater Treatment by Suhaib A. Bandh and Fayaz A. Malla. pp: 317-332. Elsevier Inc. USA. <https://www.sciencedirect.com/science/article/pii/B9780323918695000156>
16. Fayaz A. Malla, and **Suhaib A. Bandh** (2023). Biofuels and sustainable development goals. In: Environmental Sustainability of Biofuels: Prospects and Challenges by Khalid Rehman Hakeem, Suhaib A. Bandh, Fayaz A. Malla, Mohammad Aneesul Mehmood. pp: 13-26. <https://www.sciencedirect.com/science/article/abs/pii/B9780323911597000102>
17. Malla, F.A., **Suhaib A. Bandh**, Wani, S.A., Hoang, A.T., Sofi, N.A. (2022). Biofuels: Potential Alternatives to Fossil Fuels. In: Bandh, S.A., Malla, F.A. (eds) Biofuels in Circular Economy. Springer, Singapore. [https://doi.org/10.1007/978-981-19-5837-3\\_1](https://doi.org/10.1007/978-981-19-5837-3_1)
18. Hoang, TD., Ha, P.T., Halog, A.B., Malla, F.A., **Suhaib A. Bandh**, (2022). Biofuel Projects and Current Environmental Policies: Vietnam's Case and Neighboring Asian Countries. In: Bandh, S.A., Malla, F.A. (eds) Biofuels in Circular Economy. Springer, Singapore. [https://doi.org/10.1007/978-981-19-5837-3\\_5](https://doi.org/10.1007/978-981-19-5837-3_5)
19. Vincent Happy Ogwugwa & **Suhaib A. Bandh**. (2023). Nitrogen Fertilizer Application Techniques to Reduce Nitrous Oxide Emission. In: Bandh, S. A. (eds) Strategizing Agricultural Management for Climate Change Mitigation and Adaptation. Springer. [https://link.springer.com/chapter/10.1007/978-3-031-32789-6\\_1](https://link.springer.com/chapter/10.1007/978-3-031-32789-6_1)
20. Fayaz A. Malla, Tuan-Dung, **Suhaib A. Bandh**, Afaan A. Mall and Shahid A. Wani. (2023) Circular Economy to Decarbonize Electricity. In: Bandh, S.A., Malla, F.A. & Hoang A.T. (eds) Renewable Energy in Circular Economy. Springer, Singapore. [https://link.springer.com/chapter/10.1007/978-3-031-42220-1\\_5](https://link.springer.com/chapter/10.1007/978-3-031-42220-1_5)
21. **Suhaib A. Bandh**, Fayaz A. Malla, Shahid A. Wani and Anh Tuan Hoang (2024) Waste Management and Circular Economy. In: Bandh, S.A., Malla, F.A. (eds) Waste Management in the Circular Economy. Springer Nature Switzerland AG. [https://link.springer.com/chapter/10.1007/978-3-031-42426-7\\_1](https://link.springer.com/chapter/10.1007/978-3-031-42426-7_1)
22. Fayaz A. Malla, Mir Tamana , Farhana Rahma , Afaan A. Malla, **Suhaib A. Bandh**, Nazir A. Sofi, Mukhtar Ahmed and Showkat Rashid (2024) Strategies for the reduction of water footprints In: Bandh, S.A., Malla, F.A. (eds) Water Footprints and Sustainable Development. DOI: <https://doi.org/10.1016/B978-0-443-23631-0.00013-3>



1. **Suhaib A. Bandh**, Chuhan U. K, Azra N. Kamili, Ganai, B. A and Mir A. Q. 2010. Vermicomposting of different wastes with cow dung using earthworm species *Eisenia foetida*. *Journal of Research and Development*. 10: 161-170.
2. **Suhaib A. Bandh**, Azra N. Kamili, Bashir A. Ganai and Samira Saleem. 2011. Isolation, Identification and Seasonal Distribution of *Penicillium* and *Aspergillus* Species in Dal Lake, Kashmir. *International Journal of Current Research*. 3(10): 038-042.
3. Gowhar H. Dar, **Suhaib A. Bandh** and Azra N. Kamili. 2011. Bacteriological Analysis of Soil From Yusmarg Health Resort of Kashmir Valley. *International Journal of Current Research*. 3 (10): 053-056. [Direct Link](#) |
4. Saleem S, Azra N. Kamili, Dalip K. Kakru, **Suhaib A. Bandh** and Bashir A. Ganai. 2011. Isolation, identification and seasonal distribution of bacteria in Dal Lake, Kashmir. *International Journal of Environmental Sciences*. 2(1): 185-193. [Direct Link](#) |
5. **Suhaib A. Bandh**, Azra N. Kamili, Bashir A. Ganai, Bashir A. Lone, Samira Saleem 2011. Evaluation of antimicrobial activity of aqueous extracts of *Nepeta cataria*. *Journal of Pharmacy Research*. 4(9):3141-3142.
6. Sana Shafi, **Suhai A. Bandh**, Azra N. Kamili, Manzoor A. Shah, Bashir A. Ganai and Nowsheen Shameem. 2011. A Preliminary Microbiological Study of Sindh, a Glacier fed River of Sonamarg Kashmir. *New York Science Journal*. 4(10):58-62. [Direct Link](#) |
7. **Suhaib A. Bandh**, Bashir A. Lone, M. Z. Chishti, Azra N. Kamili, Bashir A. Ganai and Samira Saleem. 2011. Evaluation of Anthelmintic and Antimicrobial Activity of the Methanolic Extracts of *Nepeta cataria*. *New York Science Journal*. 4(8):129-135.
8. **Suhaib A. Bandh**, Azra N. Kamili and Bashir A. Ganai. 2011. Identification of some *Penicillium* species by traditional approach of morphological observation and culture. *African Journal of Microbiology Research*. 5(21): 3493-3496. [CrossRef](#) | [Direct Link](#) |
9. Samira Saleem, Azra N. Kamili, Dalip K. Kakru and **Suhaib A. Bandh** 2011. Microbiology of Genus *Arcobacter*, a Review. *Journal of Pharmacy Research*. 4(12): 4615-4617
10. Riyaz Ahmad Mir, Abdul Hamid Wani, **Suhaib A. Bandh**, Taskeen-un-Nisa and Shouket Ahmad Pala. 2012. Incidence and severity of powdery mildew fungi on some plants of *Asteraceae* and *Rosaceae* in Kashmir Himalayas. *Archives of Applied Biological Science*. 4(1): 353-359.
11. **Suhaib A. Bandh**, Azra N. Kamili, Bashir A. Ganai, Samira Saleem, Bashir A. Lone and Humera Nissa. 2012. First Qualitative Survey of Filamentous Fungi in Dal Lake, Kashmir. *Journal of Yeast and Fungal Research*. 3(1): 7-11. [Direct Link](#) |
12. **Suhaib A. Bandh**, Azra N. Kamili and Bashir A. Ganai. 2012. Identification of some *Aspergillus* species by traditional approach of morphological observation and culture. *African Journal of Microbiology Research*. 6(29): 5824-5827. [CrossRef](#) | [Direct Link](#) |
13. Bashir A. Lone, M. Z. Chisti, Fayaz A. Bhat, Hidayatullah Tak and **Suhaib A. Bandh**. 2012. *In vitro* and *in vivo* anthelmintic potential of *Euphorbia helioscopia*. *Veterinary Parasitology*. 189: 317- 321. [CrossRef](#) |
14. Gowhar H. Dar, Azra N. Kamili, Ruqeya Nazir, **Suhaib A. Bandh**, and Rouf A. Bhat 2012. Preliminary study of colony forming units of bacteria from the soils of Yusmarg forest, Kashmir valley India. *International Journal of Current Research*. 4(12): 467-472. [Direct Link](#) |
15. Humeera Nisa, Azra N. Kamili, **Suhaib A. Bandh**, Shajr-ul-Amin, Bashir A. Lone, Javaid A. Parray. 2013. Phytochemical screening, antimicrobial and antioxidant efficacy of different extracts of *Rumex dentatus* L. - A locally used medicinal herb of Kashmir Himalaya. *Asian Pacific Journal of Tropical Diseases*. 3(6): 434-440. [CrossRef](#) | [Direct Link](#) |
16. Rouf A. Bhat, Azra N. Kamili and **Suhaib A. Bandh**. 2013. Municipal Solid Waste Generation in Yusmarg: A Health Resort of Kashmir Valley. *A Glance at the World / Waste Management* 33: 774-777.

17. Bashir A. Lone, **Suhaib A. Bandh**, Mohammad Zahoor Chishti, Fayaz Ahmad Bhat, Hi-dayatullah Tak and Humeera Nisa. 2013. Anthelmintic and antimicrobial activity of methanolic and aqueous extracts of *Euphorbia helioscopia* L. *Tropical Animal Health Production*. 45:743-749. [Cross-Ref](#) | [Direct Link](#) |
18. Samira Saleem, Azra N. Kamili, Dalip K. Kakru and **Suhaib A. Bandh**. 2013. Water quality assessment of Dal Lake, Kashmir using the coliforms as indicator bacteria *Journal on New Biological Reports* 2(1): 30-35.
19. Nisa Humeera, Azra N. Kamili, **Suhaib A. Bandh**, Shajr-ul- Amin, Bashir A. Lone, Nisa Gousia. 2013. Antimicrobial and antioxidant activities of alcoholic extracts of *Rumex dentatus* L. *Microbial Pathogenesis*. 57: 17-20. [CrossRef](#) | [Direct Link](#) |
20. Sana Shafi, Azra N. Kamili, Manzoor A. Shah and **Suhaib A. Bandh**. 2013. Coliform bacterial estimation: A tool for assessing water quality of Manasbal Lake of Kashmir, Himalaya. *African Journal of Microbiology Research*. 7(31): 3996-4000. [Cross-Ref](#) | [Direct Link](#) |
21. Gowhar Hamid Dar, **Suhaib A. Bandh**, Azra N. Kamili, Ruqaya Nazir, Rouf Ahmad Bhat. 2013. Comparative Analysis of Different Types of Bacterial Colonies from the Soils of Yusmarg Forest, Kashmir valley India. *Ecologia Balkanica*. 5(1): 31-35. [Direct Link](#) |
22. Rouf Ahmad Bhat, Rumisa Nazir, Samia Ashraf, Mudasir Ali, **Suhaib A Bandh** and Azra N Kamili. 2014. Municipal solid waste generation rates and its management at Yusmarg forest ecosystem, a tourist resort in Kashmir. *Waste Management & Re-search*, 32(2): 165–169. [CrossRef](#) | [Direct Link](#) |
23. Gowhar Hamid Dar, **Suhaib A. Bandh**, Azra N. Kamili, Ruqaya Nazir, Towseef A. Malik. 2014. Biotechnological production of alpha amylase for industrial purposes: Do fungi have potential to produce alpha amylase. *International journal for biotechnology and molecular biology research*. 5(4): 35-40. [CrossRef](#) | [Direct Link](#) |
24. Humeera Nisa, Azra N. Kamili, Irshad A. Nawchoo, Sana Shafi, Nowheen Shameem, **Suhaib A. Bandh**. 2015. Fungal Endophytes as prolific sources of phytochemicals and other bioactive natural products: A Review. *Microbial Pathogenesis*. 82: 1-10. [CrossRef](#) | [Direct Link](#) |
25. Gowhar H. Dar, Azra N. Kamili, Ruqeya Nazir, **Suhaib A. Bandh**, Tariq R. Jan, Mohammad Z. Chishti. 2015. Enhanced production of  $\alpha$ -amylase by *Penicillium chrysogenum* in liquid culture by modifying the process parameters *Microbial Pathogenesis* 88: 10-15. [CrossRef](#) | [Direct Link](#) |
26. Nowheen Shameem, Azra N. Kamili, Javid A. Parray, **Suhaib A. Bandh**, and Rabia Hamid. 2015. Antimicrobial and antioxidant activity of methanol extracts of *Arnebia ben-thamii* (Wall ex. G. Don) Johnston—a critically endangered medicinal plant of North west-ern Himalaya. *Journal of Analytical Science and Technology*. 6(36): 2-8. DOI 10.1186/s40543-015-0076-z [CrossRef](#) | [Direct Link](#) |
27. Sana Shafi, Azra N. Kamili, Manzoor A. Shah and **Suhaib A. Bandh**. 2015. Isolation, identification and distribution of culturable bacteria in Manasbal Lake, Kashmir Himalaya. *Proceedings of the National Academy of Sciences, India Section B: Biological Sciences*. DOI 98.988<sup>1</sup> /s<sup>2</sup> 8899-015-0582-1
28. **Suhaib A. Bandh**, Azra N. Kamili, Bashir A. Ganai, Bashir A. Lone. 2016. Opportunistic fungi in lake water and fungal infections in associated human population in Dal Lake, Kashmir. *Microbial Pathogenesis*, 37: 549-110. doi: 10.1016/j.micpath.2016.01.022. [CrossRef](#) | [Direct Link](#) |
29. Sana Shafi, Azra N. Kamili, Manzoor A. Shah, Javid A. Parray and **Suhaib A. Bandh**. 2017. Aquatic bacterial diversity: Magnitude, dynamics, and controlling factors. *Microbial Pathogenesis* 104: 39-47. <http://dx.doi.org/10.1016/j.micpath.2017.01.016> [CrossRef](#) | [Direct Link](#) |
30. Sana Shafi, Azra N. Kamili, Manzoor A. Shah, **Suhaib A. Bandh** and Rubiya Dar. 2017. Dynamics of bacterial class *Bacilli* in the deepest valley lake of Kashmir-the Manasbal Lake. *Microbial Pathogenesis* 104: 78-83. <http://dx.doi.org/10.1016/j.micpath.2017.01.018> [CrossRef](#) | [Direct Link](#) |

31. **Suhaib A. Bandh**, Azra N. Kamili, Bashir A. Ganai and Bashir A. Lone. 2017. Assessment of species richness in Lake Dal, Kashmir, based on classical approach, physiological approach and rDNA ITS sequences from isolates. *Microbial Pathogenesis* 548: 747-309 <http://dx.doi.org/10.1016/j.micpath.2017.01.018> [Cross-Ref](#) | [Direct Link](#) |
32. Gowhar H Dar, Azra N. Kamili, Ruqeya Nazir and **Suhaib A Bandh**. 2014. Morphological Characteristics and Taxonomic Position of  $\alpha$ -amylase producing *Penicillium* species isolated from soil. *Journal of Research and Development*. 24: 21-29. [Direct Link](#) |
33. Bashir A. Lone, Mohammad Zahoor Chishti, Fayaz Ahmad Bhat, Hidayatullah Tak **Suhaib A. Bandh**, and Abida Khan. 2017. Evaluation of anthelmintic antimicrobial and antioxidant activity of *Chenopodium album*. *Tropical Animal health and Production*. 49(6): 1-11. [CrossRef](#) | [Direct Link](#) |
34. Bashir A. Lone, Mohammad Zahoor Chishti, Fayaz Ahmad Bhat, Hidayatullah Tak **Suhaib A. Bandh**, and Abida Khan. 2017. Anthelmintic Activities of Aqueous and Methanol Extracts of *Prunella vulgaris* L. *Natural Products Chemistry & Research*. 5(269): 1-5. [CrossRef](#) | [Direct Link](#) |
35. Mohammad Farooq Mir, Aubid Bashir, Mohd Yaseen Gudoo, Sualiha Tabassum, Mu-zamil Bashir, Rifat Farooq and **Suhaib Bandh**. (2017). Sediment chemistry and Macrozoobenthos of Gagribal Basin of Dal Lake. *International Journal of Fauna and Biological Studies*. 4(4): 126-130
36. Ishfaq Majeed, **Suhaib A. Bandh**, Sana Shafi, Newsheen Shameem, Ishfaq Ahmad Wani and Inayat Dar. (2019) Occupational Health Status of Saw Mill Workers in Central Kashmir. *New York Science Journal*. 12 (7): 71-77.
37. **Suhaib A. Bandh**, Sana Shafi, Mohazib Pirzada, Tanzeela Rehman, Shahnaz Bashir. (2021). Multidimensional Analysis of Global Climate Change: A Review . *Environmental Science and Pollution Research*. <https://doi.org/10.1007/s11356-021-13139-7>
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39. Tanzeela Rehman, **Suhaib Bandh**, Mohazeb Peerzada et al. (2021). Knowledge, Perception and Attitude in Relation to Climate Change: A Cross-sectional Survey, 04 May 2021, PREPRINT (Version 1) available at Research Square <https://doi.org/10.21203/rs.3.rs-433071/v1>
40. Prabhakar Sharma, Minh Phung Le, Ajay Chhillar, Zafar Said, Balakrishnan Deepan-raj, Dao Nam Cao, **Suhaib A. Bandh**, Anh Tuan Hoang (2022). Using response surface methodology approach for optimizing performance and emission parameters of diesel engine powered with ternary blend of Solketal-biodiesel-diesel, *Sustainable Energy Technologies and Assessments*. <https://doi.org/10.1016/j.seta.2022.102343>. <https://www.sciencedirect.com/science/article/pii/S2213138822003952>
41. Hoang, Tuan-Dung, **Suhaib A. Bandh**, Fayaz A. Malla, Irteza Qayoom, Shahnaz Bashir, Suhail Bashir Peer, and Anthony Halog. (2023). "Carbon-Based Synthesized Materials for CO<sub>2</sub> Adsorption and Conversion: Its Potential for Carbon Recycling" *Recycling* 8, no. 4: 53. <https://doi.org/10.3390/recycling8040053>
42. **Suhaib A. Bandh**, Fayaz A. Malla, Irteza Qayoom, Haika Mohi-Ud-Din, Aqsa Khursheed Butt, Aashia Altaf, Shahid A. Wani, Richard Betts, Thanh Hai Truong, Nguyen Dang Khoa Pham, and et al. (2023). "Importance of Blue Carbon in Mitigating Climate Change and Plastic/Microplastic Pollution and Promoting Circular Economy" *Sustainability* 15, no. 3: 2682. <https://doi.org/10.3390/su15032682> **(IF:3.3)**
43. **Suhaib A. Bandh**, Malla, F. A., Hoang, T.-D., Qayoom, I., Mohi-Ud-Din, H., Bashir, S., Betts, R., Le, T. T., Nguyen Le, D. T., Linh Le, N. V., Le, H. C., & Cao, D. N. (2024). Track to reach net-zero: Progress and pitfalls. *Energy & Environment*, 0(0). <https://doi.org/10.1177/0958305X241260793> **(IF:4.0)**



## MONOGRAPHS & BOOKS PUBLISHED

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1. Environmental Studies by **Suhaib A. Bandh**, Azra Kamili and Bashir Ganai *ISBN: 534-7-8869-8997-9*, Lambert Academic Publishers Germany
2. Creative Thinking among Secondary School Children by Muzaffar Bandh and **Suhaib A. Bandh** *ISBN: 534-7-8877-0776-9*, Lambert Academic Publishers Germany
3. Environmental perspectives and issues by **Suhaib A. Bandh** and Javid A. Parray. (2018). *ISBN: 534-1-68116-077-7 Callisto Reference New York, NY 10016, USA*
4. Environmental Microbiology, Perspectives of Bacterial Dynamics in Lakes. **Suhaib A. Bandh**, Sana Shafi and Nowsheen Shameem, (2019). *ISBN: 534-0-12-817899-1*, Elsevier <https://doi.org/10.1016/B978-0-12-817899-1.00001-7>
5. Environmental Management by Basharat Mushtaq and **Suhaib A. Bandh**. (2020). *ISBN: 978-9811978128*. Springer Nature <https://www.springer.com/gp/book/9789811538124>
6. Climate Change and Microbes: Impact and Vulnerability by Javid A. Parray, Suhaib A. Bandh and Nowsheen Shamim. (2022). *ISBN : 5347334233876* AAP/CRC Press, a Taylor & Francis Group. <https://www.routledge.com/Climate-Change-and-Microbes-Impacts-and-Vulnerability/Parray-Bandh-Shameem/p/book/9781774637210>
7. Climate Change and Microbial Diversity: Advances and Challenges by **Suhaib A. Bandh**, Javid A. Parray and Nowsheen Shamim. (2022). *ISBN: 5347336893487* AAP/CRC Press, a Taylor & Francis Group. <https://www.routledge.com/Climate-Change-and-Microbial-Diversity-Advances-and-Challenges/Bandh-Parray-Shameem/p/book/9781774637821>
8. Biodiversity of Freshwater Ecosystems: Threats, Protection, and Management by **Suhaib A. Bandh**, Basharat Mushtaq, Mohammad Farooq Mir and Shahid Ahmad Wani. (2022). *ISBN: 5347334576683* AAP/CRC Press, a Taylor & Francis Group. <https://www.appleacademicpress.com/biodiversity-of-freshwater-ecosystems-threats-protection-and-management/978177491002>
9. Climate Change: The Social and Scientific Construct by **Suhaib A. Bandh**. (2022). *ISBN: 978-7-070-86290-9* Springer Nature Switzerland. <https://link.springer.com/book/10.1007/978-3-030-86290-9>
10. Sustainable Agriculture: technological progressions and transitions by **Suhaib A. Bandh**. (2022). *ISBN: 978-7-070-87066-7* Springer Nature Switzerland. <https://link.springer.com/book/10.1007/978-3-030-83066-3>
11. Freshwater Mycology: Perspectives of fungal dynamics in freshwater ecosystems by **Suhaib A. Bandh** and Sana Shafi. (2022). *Paperback ISBN: 5346989578983; eBook ISBN: 5346383554864*. Elsevier Inc. USA. <https://www.elsevier.com/books/freshwater-mycology/bandh/978-0-323-91232-7>
12. Valorization of Microalgal Biomass and Wastewater Treatment by **Suhaib A. Bandh** and Fayaz A. Malla. (2022). *ISBN: 9780323918291*. Elsevier Inc. USA. <https://www.elsevier.com/books/valorisation-of-microalgal-biomass-and-wastewater-treatment/bandh/978-0-323-91869-5>
13. Bifuels in Environmental Sustainability by Khalid Rehman Hakeem, **Suhaib A. Bandh**, Fayaz A. Malla and Mohammad Aneesul Mehmood. (2022). *ISBN: 5346989577753*. Elsevier Inc. USA. <https://www.elsevier.com/books/environmental-sustainability-of-biofuels/hakeem/978-0-323-91159-7>
14. Biofuels in Circular Economy by **Suhaib A. Bandh** and Fayaz A. Malla. (2022). *ISBN: 978-981-19-5836-6* Springer Nature Singapore. <https://link.springer.com/book/10.1007/978-981-19-5837-3>
15. Renewable Energy in Circular Economy by **Suhaib A. Bandh**, Fayaz A. Malla and Anh Tuan Hoang. (2023) *ISBN: 978-3-031-42219-5*. Springer Springer Nature Switzerland AG. <https://link.springer.com/book/10.1007/978-3-031-42220-1>
16. Strategizing Agricultural Management for Climate Change Mitigation and Adaptation by **Suhaib A. Bandh** and Fayaz A. Malla (2023). *ISBN: 978-3-031-32788-9* Springer Nature Switzerland AG <https://link.springer.com/book/10.1007/978-3-031-32789-6>
17. Waste Management in the Circular Economy by **Suhaib A. Bandh** and Fayaz A. Malla (2024). *ISBN: 978-3-031-42425-0* Springer Nature Switzerland AG <https://link.springer.com/book/76.7663/534-3-031-42426-7>
18. Water Footprints and Sustainable Development by **Suhaib A. Bandh** and Fayaz A. Malla (2024). <https://shop.elsevier.com/books/water-footprints-and-sustainable-development/bandh/978-0-443-23631-0>
19. Wastewater Treatment Technology: Technical Progressions and Advances by **Suhaib A. Bandh** and Basharat Mushtaq. Springer Nature Switzerland AG (*In Press*)

## CONFERENCES ATTENDED

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- \* 2<sup>nd</sup> J & K Science Congress Organized by **University of Kashmir**, Srinagar, 25-27 July 2006.
- \* 4<sup>th</sup> JK Science Congress, held from 12-14 November, 2008 Organized by **University of Kashmir**, Srinagar in Collaboration with JK State Council for Science and Technology and Department of Science and Technology, Govt. of India.
- \* 6<sup>th</sup> JK Science Congress, held from 2-4 December, 2010 Organized by **University of Kashmir**, Srinagar in Collaboration with JK State Council for Science and Technology and Department of Science and Technology, Govt. of India.
- \* One-day national symposium on Esophageal Cancer- A major Health Concern in Kashmir, 4<sup>th</sup> Feb. 2011, **University of Kashmir, Srinagar**.
- \* National Workshop on Research Methods and Statistical Techniques, 14<sup>th</sup>-16<sup>th</sup> March 2011, **Department of Library Information Science, University of Kashmir, Srinagar**.
- \* Two-day national conference on Recent Trends in Biosciences, 3<sup>rd</sup>-4<sup>th</sup> October, 2011. **Department of Biochemistry and Biotechnology S. P. College Srinagar**.
- \* Workshop on Sustainable Utilization of Medicinal and Aromatic Plants of Kashmir Himalaya in Regional Development, Organized by Department of Botany, **University of Kashmir**, Srinagar, held from 5<sup>th</sup> October, 2011.
- \* 3<sup>rd</sup> International conference on Medicinal Plants and Herbal Products Organized by Faculty of Medicine and the Institute of Indigenous Medicine. **University of Colombo, Sri Lanka**. In Collaboration with the Sri Venkateswara University, Tirupati, India 19-21 December 2011.
- \* The American Society for Microbiology virtual workshop on Scientific Writing and publishing. Held at **University of Kashmir**, Srinagar in Collaboration with American Society for Microbiology, on 23<sup>rd</sup> July 2012.
- \* 8<sup>th</sup> JK Science Congress, held from 17<sup>th</sup>-19<sup>th</sup> September, 2012 Organized by **University of Kashmir**, Srinagar in Collaboration with JK State Council for Science and Technology and Department of Science and Technology, Govt. of India.
- \* National Seminar on Science for shaping the Future of India Faunal Diversity Challenges and Opportunities on 19<sup>th</sup> – 21<sup>st</sup> November, 2012 Organized by Department of Zoology, **University of Kashmir**, Srinagar.
- \* National Conference on Role of Biotechnology in Conservation and sustainable Use of Medicinal Plants, organized by **The Institute of Science, Mumbai** held from 14<sup>th</sup> & 15<sup>th</sup> December, 2012.
- \* 9<sup>th</sup> JK Science Congress and Regional Science Congress, held from 1<sup>st</sup> – 3<sup>rd</sup> October, 2013 Organized by **University of Kashmir**, Srinagar in Collaboration with JK State Council for Science and Technology and Department of Science and Technology, Govt. of India.
- \* National Conference on Status and Conservation of Biodiversity in India with Special Reference to Himalaya (October 4-5, 2013) organized by **Centre of Research for Development, University of Kashmir**, Srinagar -190 006 Jammu and Kashmir, India.
- \* International Conference on Cellular and Molecular mechanisms of Disease Processes Organized by **Department of Biotechnology, University of Kashmir**, Srinagar from 13<sup>th</sup> – 16<sup>th</sup> April, 2014.
- \* Global Conference on Unani Medicine: Emerging Trends and Future Prospective organized by Directorate General of Indian Systems of Medicine, Govt. of Jammu and Kashmir held on 12-13 October 2015.
- \* 11<sup>th</sup> JK Science Congress, held from 12 – 14<sup>th</sup> October, 2015 Organized by **University of Kashmir**, Srinagar in Collaboration with JK State Council for Science and Technology and Department of Science and Technology, Govt. of India.

- \* One Day National Seminar on Biodiversity and Climate Change: Challenges and Prospects, 29th October, 2017 Organized by Govt. S.A.M Degree College Budgam, Kashmir.
- \* National Conference on Interdisciplinary Aspects of Plant Science (27th APSI Scientist Meet) 2nd to 4th November, 2017 Organized by Department of Biotechnology, Shri Mata Vaishno Devi University, Katra, J&K in collaboration with Academy of Plant Sciences, India.
- \* 4th International Conference on Recent Trends and Advantages in Engineering and Technology (ICRTAET-2017) 03-04, November, 2017 Organized by Sri Mata Vaishno Devi University, Katra, J&K and Sponsored by SMVDU-TBIC & TEQIP-III

## **CONFERENCES/ SEMINARS ORGANISED**

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- \* One Day Inter-College Sate Level Seminar on Human and wild life, 5th October, 2017) at Sri Pratap College Srinagar.
- \* Two Day National Workshop on Remote Sensing Techniques in Environmental Management, (23rd & 24th March, 2018) at Sri Pratap College, Srinagar.
- \* One-Day Online National Conference on Biodiversity Conservation and Sustainable Future, 6th June, 2020. Jointly organized by GDC Pulwama and SAMDC Budgam.
- \* International Web-Conference on Sustainable Environment and Agriculture: Technological Progressions and Transitions, 9th August, 2020, Jointly organized by Academy of EcoScience and Centre for Environment Science and Climate Resilient Agriculture (CESCRA), IARI New Delhi .
- \* International Webinar on Role of Finance in Environmental Sustainability, September 2, 2020. Organized by Academy of EcoScience.
- \* One Day National Conference on Bridging the Gap between Science and Arts. August 3, 2023. Organized by GDC D.H. Pora, Kulgam. J&K.

## **AWARDS & MEDALS**

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- \* First Best Presentation Award in Inter College Debate Organized by S.P College Srinagar and Directorate of Ecology and Environment, 6<sup>th</sup> October, 2003
- \* Second best Presentation Award in 2<sup>nd</sup> JK Science Congress, 2006
- \* First best Presentation Award in 8<sup>th</sup> JK Science Congress, 2012
- \* APSI Honour's Award-2017 by Academy of Plant Sciences India at 27th APSI Scientists Meet, SMVDU Katra J&K
- \* Scientist of the Year Awar-2017 by National Environmental Science Academy, India
- \* ENVIRONMENTALIST OF THE YEAR AWARD 2021 by National Environmental Science Academy, India

## **RESEARCH-RELATED SKILLS**

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Medicinal plant research, Mycology, Physiological profiling of Microbes, PCR, Applied Microbiology, Sediment and Water Chemistry, Heavy metal estimation in waters, Aquatic Ecology, Vermicomposting, Climate Change

## **COMPUTER SKILLS**

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Good command on Microsoft Office™ tools, Internet related work, Familiar on working with different presentation and formatting tools/software. Skilled about operating SPSS, EcoSim and Bio Diversity Pro and other Statistical softwares.

## **E-CONTENTS PREPARED**

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**I have prepared and presented the following e-contents in the EMMRC, University of Kashmir as part of the digitalization of the syllabus of Environmental Studies and Clinical Biochemistry.**

- \* The Multidisciplinary Nature of Environmental Studies
- \* Noise Pollution I
- \* Noise Pollution II
- \* Need for Public awareness in Environmental studies
- \* Biogeographical Classification of India
- \* Microbial Nutrition
- \* Microbial Growth
- \* Sterilization and disinfection procedures in microbiology
- \* Biosensors
- \* Biomarkers
- \* Ecotoxicology

## **ETV LECTURES PREPARED**

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**Till now I have prepared and presented the bellow mentioned ETV lectures in EMMRC, University of Kashmir**

- \* Environmental Legislation
- \* Constitutional Perspectives and State Laws
- \* National Environmental Laws I
- \* National Environmental Laws II
- \* Trade and Environment
- \* Trade Agreements and the Environment
- \* Strategies for sustainable development
- \* Environmental Management
- \* Multilateral Environmental Agreements
- \* Biogeography

## **LECTURES DELIVERED**

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- \* Extension Lecture on “Caring for Ozone– Caring for Life” on the eve of “International Day for Preservation of Ozone Layer” on 16th September, 2017 at Govt. College for Women, M.A. Road Srinagar.

## **COURSES ATTENDE**

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- \* General Orientation Course-104 (15th December 2017 to 11th January 2018) at UGC-HRDC, Guru Nanak Dev University. Amritsar.
- \* Subject Refresher Course in Environmental Studies (3rd September 2020 to 18th September 2020 at UGC-HRDC, Aligarh Muslim University, Aligarh.

## REFERENCES

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**1. Dr. Azra N. Kamili, PhD**

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**3. Dr. Hamid Bandh, MD, PhD (Personal Reference)**

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Genetics, Cell Biology and Anatomy;

Pathology & Microbiology; and

Pharmacology & Experimental Neurosciences,

College of Medicine

Director, Center for Breast Cancer Research

Associate Director of Translational Research, Director, Center for Breast Cancer

Research, and Co-Leader, Molecular Biochemical Etiology Program (MBEP),

UNMC Eppley Cancer Center,

Member, Center for Drug Delivery & Nanomedicine (CDDN),

University of Nebraska Medical Center

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