**CURRICULUM VITAE**

1. **Personal Information**

Name: **Dr. Sami Ullah Bhat**

Parentage: Mr. Gh. Ahmad Bhat

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| Address for correspondence: | Department of Environmental Science, School of Earth and Environmental Sciences, University of Kashmir, Srinagar – 190006 |
| Permanent Address: | Kokergund, Yaripora, Kulgam. Pin –192232 |
| Email: | [samiullahbhat11@gmail.com](mailto:samiullahbhat11@gmail.com) [samiullah@kashmiruniversity.ac.in](mailto:samiullah@kashmiruniversity.ac.in) |
| Cell No: | +91-9596013427; +91-7889975982 |

1. **Expertise and Research Field:**
2. Ecology and Environment: Limnology, Stream ecology, Lakes and wetland Ecology, Spring ecology (Crenobiology), EIA.
3. **Educational Qualifications:**

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| S. No. | Examination Passed | Degree | Year of Passing | % of marks | Division | University/ Agency | Subjects |
| 1. | P.G. | M.Sc. | 2002 | 69 | I | University of Kashmir | Environmental Science |
| 2. | NET | 2004 | - | - |  | ASRB | Environmental Science |
| 3. | Doctorate | Ph.D. | 2010 | - | - | University of Kashmir | Environmental Science |

1. **Employment History**

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| **Institute** | **Position** | **Date of employment** |
| Department of Environmental Science, University of Kashmir, Srinagar | Senior Assistant Professor  (Stage-III)-Selection Grade Academic Level 12 | Feb, 2021 - till date |
| Department of Environmental Science, University of Kashmir, Srinagar | Senior Assistant Professor  (Stage-II) -Senior Scale | Feb, 2016 – Feb.2021 |
| Department of Environmental Science, University of Kashmir, Srinagar | Assistant Professor | Feb, 2012- Feb, 2016 |
| Department of Environmental Science, University of Kashmir, Srinagar | Contractual Lecturer | Oct, 2007- Feb, 2012 |
| Govt. Degree College, Bijbehara | Contractual Lecturer | May, 2007- Oct, 2007 |
| Govt. Degree College for Women, Anantnag | Contractual Lecturer | Apr, 2006- Nov, 2006 |

1. **Teaching Assignments**
2. Fundamentals of Environmental Science
3. Water and Soil Chemistry
4. Himalayan Resources
5. Environmental Pollution
6. Restoration Ecology
7. Environmental Engineering
8. Environmental laws
9. Crenobiology
10. Aquatic Ecology
11. **Awards/ Recognition (National/ International)**
12. Recognition/ Accreditation granted during 2012 as **Functional Area Expert** for Water Pollution-WP by NABET (NATIONAL /ACCREDITATION BOARD FOR EDUCATION & TRAINING) Quality Council of India for conducting EIA/EMP of category B Projects.
13. Recognition/ Accreditation granted during 2016 as **Functional Area Expert** for Water Pollution-WP and Ecology and Biodiversity-EB by NABET (NATIONAL/ACCREDITATION BOARD FOR EDUCATION & TRAINING) Quality Council of India for conducting EIA/EMP of category A Projects.
14. Recommended by University of Kashmir during 2018 as **expert in the field of Water Science** to J & K State Water Resources Regulatory Authority (SWRRA) established under the ambit of Jammu and Kashmir Water Resources (Regulation and Management) Act, 2010. The Act also provides for the establishment of State Water Resources Regulatory Authority under recently launched State Water Mission.
15. Nominated by University of Kashmir during 2021 as Expert Member for Preparation of Wetland Document in Ganderbal District under Wetlands (Conservation Management Rules 2017).
16. **Research projects**

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| **S. No.** | **Project Title** | **Position Held** | **Sponsoring Agency** | **Amount (lakhs)** |
| **Completed** | | | |  |
|  | Influence of thermal stratification on Hydrochemical characteristics and plankton communities in Manasbal lake of Kashmir | Mentor | DST-WOS-A | 9.7 |
|  | Aquatic macroinvertebrates as Bioindicators-Approache towards understanding the Ecological health of stream ecosystems of Kashmir Himalaya | Principal Investigator | DST SERB | 55.46 |
|  | Anthropogenic impacts and their management options in different ecosystems of the Indian Himalayan Region | Co-PI | NMHS, MoEF & CC | 43.70 |
| **Ongoing** | | | |  |
|  | Spatial distribution of Groundwater Quality in the Kashmir Valley with special emphasis on Metal Ion Mapping | Co-PI | DST SERB | 56.74 |
|  | Study of catchment topography and land use impact on stream biofilm in Indus basin of Ladakh Himalaya | Co-PI | DST SERB | 35 |
|  | Assessment of micro plastic concentrations and persistent organic pollutants in freshwater ecosystems of Kashmir Himalayas | Co-PI | RUSA-MHRD | 52.8 |
|  | Assessment of the Trophic and Economic Evaluation of a Ramsar site Wular Lake, in Kashmir Himalaya | Co-PI | DST SERB | 35 |
|  | Qualitative assessment of Drinking water and analysis of demand supply scenario in urban and rural setting of Kashmir | Mentor | DST-WOS-B | 27.28 |
|  | Status, Threats and Challenges: Urgent Plea for Protection and Management of Freshwater  Springs of Kashmir Himalaya | Principal Investigator | DST SERB | 45 |

1. **Membership of the Scientific and Policy Making Bodies:**

1. Freshwater Biological Association UK.

2. Indian Association of Hydrologists, National Institute of Hydrology, Roorkee-247667, India.

3. Life Member Indian Meteorological Society.

4. Environmental Society, University of Kashmir Srinagar.

5. International Association of Cryospheric Sciences.

6. Fellow Himalayan University Consortium- HUC, ICIMOD Kathmandu Nepal

1. **Committee Membership**

1. Member of the Committee for adoption of Uniform criteria for engagement of project staff in University of Kashmir Srinagar

2. Member of the Committee for framing Consultancy guidelines of University of Kashmir Srinagar.

3. Member Registration Committee of 13th JK Science Congress 2018

4. Served as Judge in 13th Session of Jammu and Kashmir Science Congress 2-4 April 2018.

5. Member of the Committee constituted by Department of Tourism JK Govt. tasked to suggest measures regarding carrying capacity of part of Dal Lake for House boats

**10. Papers presented in Conferences/Symposia**

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| --- | --- | --- | --- | --- | --- |
| S.No. | Title of the paper | Title of Conference/  Symposium | Organizer/s | Status | Date |
| 1. | Assessment of Socioeconomic Vulnerability and Community preparedness for natural disasters: A Case Study of 13 villages in the Sindh Basin of Hindu Kush Himalaya | Trans-Himalayan Environmental Humanities: Integrating Indigenous Mountain Knowledge, Modern Sciences, and Global Endeavours for a Sustainable Himalayan Region | HUC, ICIMOD Nepal and Yunnan University China | International | 3-5 November 2019 |
| 2. | Hydrogeochemical to ecosystem perspective of Kashmir Himalayan Springs-A paradigm shift | State-level workshop on:  “Springshed Management: Integrating Aquifers, Watersheds and Water Security in Indian Himalayan Region in view of the Climate Change in the Fragile Himalayan Ecosystem” | Advanced Centre for Water Resources Development And Management (ACWADAM), Pune  Jammu & Kashmir State Climate Change Center (J&K SCCC)  Dept. of Ecology Environment & Remote Sensing (JKDEERS), Govt. of Jammu & Kashmir | Regional | 30 August 2018 |
| 3 | Temporal Dynamics of Periphytic Algae of River Marusudar, Kishtiwar, Jammu and Kashmir | 13th J&K Science Congress 2018 | University of Kashmir Srinagar and J&K State Science Technology | Regional | 2-4 April 2018 |
| 4 | Need for water quality monitoring and management of spring waters in the Vale of Kashmir Himalaya | 7th International Ground Water Conference )IGWC-2017) New Delhi | National Institute of Hydrology (NIH) Roorkee; Central  Ground Water Board (CGWB), New Delhi; Association of Global Groundwater  Scientists (AGGS); and Texas A&M University, USA; under the aegis of  National Hydrology Project (MoWR,RD&GR). | International | 11-13 December 2017 |
| 5 | Macroinvertebrate diversity of Marusudar River, tributary of mighty Chenab River | 3rd Worlds Large River Conference  on the “Status and Future of World’s Large Rivers” | National Institute of Hydrology, Roorkee India jointly with the University of Natural Resources and Life Sciences, Vienna, Austria | International | 18-21 April 2017 |
| 6 | Hydrochemical characteristics of some typical freshwater springs- A case study of Kashmir valley springs | 7th International Conference on Water Resources and Arid Environments 2016 | Prince Sultan Institute for Environmental, Water and Desert Research, King Saud University Riyadh Saudi Arabia | International | 4-6 December 2016 |
| 7 | Performance evaluation of FAB and BSR Sewage Treatment Plant Technologies around Dal Lake, Kashmir Valley | 3rd International Water Conference- Water Security and Sustainable Growth | SHFINT, University of Haripur and Riphah institute of Public Policy (RIPHAH International University) at Islamabad, Pakistan | International | 23-25 August 2016 |
| 8 | Biological indicators and water monitoring in freshwater streams of Kashmir valley | India Water Week  2016  Water for all: Striving together | Ministry of Water Resources, River Development and Ganga Rejuvenation Govt of India | International | 4-8 April 2016 |
| 9 | Fresh water springs of Kashmir Valley: Imploring exploration | National Conference on Biodiversity Conservation and Pollution Control-Challenges and Strategies(BCPC-2016) | Department of Environmental Sciences, University of Jammu | National | 9-10 March 2016 |
| 10 | Quality of Fresh Springs-A case study of District Anantnag Kashmir | India Water Week  2015 Water Management for Sustainable Development | Ministry of Water Resources, River Development and Ganga Rejuvenation Govt of India | International | Jan., 13-17,2015 |
| 11 | Freshwater Springs of Kashmir Himalaya: An assessment for evaluation of drinking water quality and potential | International conference on Physical and Environmental Chemistry | University of Peshawar,Pakistan | International | Sept., 9-11, 2013 |
| 12 | Evaluation and Efficient  management of spring waters  in Kashmir Valley:  Challenges and Opportunities | India Water Week  2013 | Ministry of Water  Resources, Govt of  India. | International | April, 8-12, 2013 |
| 13 | Periphytic algae of springs –  neglected key biotopes  of Kashmir valley | National Seminar  On Himalayan  Resources: Issues,  Challenges and  Management  Strategies. | Department of  Geography and  Regional Development,  University of  Kashmir, Srinagar | National | Oct., 11-12, 2011 |
| 14 | Hydrochemical description of  Some prominent freshwater  springs of Kashmir Valley | 6th JK Science  Congress  2010 | University of  Kashmir, Srinagar | State | Dec., 2-4,2010 |
| 15 | Ecological study of Benthic communities In three limnocrene freshwater springs of Kashmir Himalaya | 4th JK Science  Congress | University of  Kashmir, Srinagar in  Collaboration  With JK State Council for Science and Technology and  DST, Govt. of India. | State | Nov., 12-14, 2008 |
| 16 | Limnochemistry of three fresh water springs of  Kashmir Himalaya | National  Symposium on Water Resources in India: Concerns,  Conservation and Management  (WRIN 2008). | University of Kashmir, Srinagar | National | Nov., 1-3, 2008 |
| 17 | A preliminary  Aquatic mycological  Study of Dal Lake | Present Scenario  of Ecological  Research in  Jammu and  Kashmir State | Department  of Environmental  Science/CORD  University  of Kashmir | State | March 26-27, 2003 |

**11. Workshops/Symposia/Special training programmes attended**

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| S.No. | Title | Venue | Organizer/s/ Sponsors | Status | Date |
| 1 | Third Meeting of HUC Thematic Working Group on Water | Kathmandu Nepal | HUC and ICIMOD Nepal | International | 6-7 December 2019 |
| 2 | HUC Thematic Working Group on Trans-Himalayan Environmental Humanities | Yunnan University Kunming China | HUC, ICIMOD Nepal and Yunnan University China. | International | 6 November 2019 |
| 3 | Water Resources Management and Sustainable Development Strategies in Arid regions under a Changing Climate" | Tashkent, Uzbekistan 5-10 September 2019 | Hydrosolutions, ETH Zurich, IWMI and SDC (Swiss Agency for Development and Cooperation) | International | 5-9 September 2019 |
| 4 | Regional Training on Springshed Management for Socio-Ecological Resilience in the Hindu Kush Himalaya 2019 | Kathmandu Nepal | HUC and ICIMOD | International | 24 March -5 April 2019 |
| 5 | UGC-Sponsored Refresher Course in Life Sciences | UGC-Human Resource Development Centre, University of Hyderabad | UGC-Human Resource Development Centre, University of Hyderabad | National | 15/02/2019-07/03/2019 |
| 6 | Anthropogenic impacts and their management options in different ecosystems of the Indian Himalayan Region | GBPNIHESD Kosi Katramal Almora | GBPNIHESD Kosi Katramal Almora | National | 24-25 January 2019 |
| 7 | One Week DST Training on Natural Resources and Environmental Management | Indian Institute of Forest Management Bhopal | IIFM Bhopal/DST Govt. of India | National | 17-21 December 2018 |
| 8 | National Workshop on Springshed Management in Himalayas-Issues, Solutions and Policy | India Habitat Centre New Delhi | Advanced Centre for Water Resources Development and Management- ACWADAM Pune. | National | 15 Nov. 2018 |
| 9 | Taxonomical identification of Macroinveretebrates in Biological Testing | CSIR-NEERI Nagpur | CPCB New Delhi and CSIR-NEERI | National | 4-6 October 2018 |
| 10 | Writing workshop on : “Vanishing springs in the Himalayas: Synthesizing current state of Knowledge ” | Pune India | ACWADAM and ICIMOD supported through an IHCAP(SDC) Grant and NMSHE(DST) | International | 7-9 June 2018 |
| 11 | Aquifers and Communities | Pune India | ACWADAM Pune | National | 6th June 2018 |
| 12 | Groundwater Modelling Workshop on I MOD | NASC Complex ICAR New Delhi | Deltares, The Netherlands and National Institute of Hydrology (NIH) Roorkee. | International | 14 December 2017 |
| 13 | National Training Workshop on Plant Taxonomy: Principles and Practices | Centre of Biodiversity and Taxonomy (CBT) Department of Botany, University of Kashmir Srinagar. | Organized by Centre of Biodiversity and Taxonomy (CBT) Department of Botany and sponsored by Botanical Survey of India and Ministry of Environment, Forests and Climate Change) | National | 27-29 March 2017 |
| 14 | UGC-Sponsored Refresher Course in Disaster Management | UGC-Human Resource Development Centre | UGC-Human Resource Development Centre, University of Kashmir Srinagar | National | 20/10/2015-09/11/2015 |
| 15 | Transforming Mountain Forestry | FRI Dehradun | ICIMOD (Nepal) and FRI Dehradun | International | 18-01-2015-22-01-2015 |
| 16 | UGC-Sponsored General Orientation Course | Academic Staff College, University of Kashmir Srinagar | Academic Staff College, University of Kashmir Srinagar | National | 19/12/2013-15/01/2014 |
| 17 | Strategic Environmental Assessment | Wildlife institute of India Dehradune | Wildlife institute of India Dehradune**,** Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and German Federal Agency for Nature Conservation (BfN). | International | 2-4 September 2014 |
| 18 | Hydrologic modeling using RS/GIS with special reference to Climate Change | National Institute of Hydrology Roorkee | Ministry of Earth Sciences, Govt of India. | National | 3-7 June 2013 |
| 19 | Climate Change, Food Security and Livelihood Opportunities in Mountain Agriculture | Shere-e-Kashmir University of Agricultural Sciences and Technology of Kashmir-SKUAST-K | Centre for Climate Change and Mountain Agriculture, Shalimar, Srinagar and Sponsored by Indian Council of Agriculture Research. | National | 14-23 May 2013 |
| 20 | Research methods in educational technology under the National Mission on Education through ICT (MHRD, Govt. Of India) | Islamic University of Science and Technology Awantipora Kashmir | Department of CSE, KReSIT Bldg., IIT Bombay, Mumbai-400076 | National | February 2 and 9 2013 |
| 21 | EIA: Ecology and Biodiversity | CEPT University Ahmedabad | State Level Anchor Institute for infra-structure Sector, Faculty of Planning and Public Policy | National | 10-12 January 2013 |

**12. Seminars/Conferences/Workshops Organized**

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| S.no. | Title | Venue | Organizer/s/ Sponsors | Status | Date |
| 1 | One day International online Seminar Conserving and Restoring Ecosystems on 5th June 2021 in Observance of World Environment Day 2021 | Department of Environmental Science, University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar | International | 5th June 2021 |
| 2 | Three Day International Webinar on Water, Health and Parasites | Department of Environmental Science, University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar in collaboration with The Indian Society of Parasitology. | International | 22-24 March 2021 |
| 3 | One day seminar on the theme “ Time for Nature Explore Nature with Iconic Spots**”-** on the eve of World Environment Day 2020 | Seminar Hall/Library, Environmental Science,  University of Kashmir Srinagar (Online) | Department of Environmental Science, University of Kashmir Srinagar | Regional | 8th June 2020 |
| 4 | One day seminar on the theme “Beat The Plastic Pollution- If You Can Not Reuse It Refuse It**”-** on the eve of World Environment Day 2018. | Science Block Auditorium,  University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar | Regional | 5th June 2018 |
| 5 | Two-day workshop on the eve of World Water Day 2017  Water Resources-Threats and Challenges: A way forward | Science Block Auditorium,  University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar | Regional | 22-23 March 2017 |
| 6 | Two day lecture series on Environmental Impact Assessment (EIA) and Strategic Environmental Assessment (SEA) | Science Block Audotorium,  University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar | Regional | 03-04 June 2015 |
| 7 | World Environment Day-2014  Climate Change” and Raise Your Voice, NoT The Sea Level | EMMRC  University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar | Regional | 5th  June 2014 |
| 8 | National conference on Status and Conservation of Biodiversity in India with special reference to India | Gandhi bhawan,  University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar and CORD/DST and DBT | National | 4-5 October 2013 |
| 9 | World Environment Day-2012  Green Economy: Does it include You? | Gandhi bhawan University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar | Regional | 5th  June 2012 |

**13. Training Courses /Workshop /Conferences /Seminars / Symposia attended without presentation**

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| S.No. | Title | Venue | Organizer/s/ Sponsors | Status | Date |
| 1 | Two-day workshop on the occasion of observance of World Environment Week 2019 | University of Kashmir Srinagar | Department of Environmental Science, University of Kashmir Srinagar | Local | 11-12 June 2019 |
| 2 | 13th J&K Science Congress 2018 | University of Kashmir Srinagar | University of Kashmir Srinagar and J**&K State Council for Science and Technology Department of Science and Technology.** | Regional | 2-4 April 2018 |
| 3 | 11th JK Science Congress | University of Kashmir Srinagar | University of Kashmir Srinagar and J**&K State Council for Science and Technology Department of Science and Technology.** | Regional | 12-14 October 2015 |
| 4 | *Transforming Mountain Forestry* | ICIMOD (Nepal) and FRI Dehradun | ICIMOD (Nepal) and FRI Dehradun | International | 18-01-2015 to 22-01-2015 |
| 5 | *National Symposium on Biology Biodiversity and Bioprospecting* | Department of Botany, University of Kashmir Srinagar | INSA and University of Kashmir Srinagar | National | 01-04-2015 to 02-04-2015 |
| 6 | *Mathematical Modeling of Biological Systems (LPMMBS-2015)* | Department of Mathematics, University of Kashmir Srinagar | DST Govt. of India. | National | 02-04-2015 to 04-04-2015 |
| 7 | *Management and Sustainable Development of Dal lake through Scientific intervention and stakeholder’s participation* | Department of Environmental Science, University of Kashmir Srinagar | LAWDA J and K Govt | State | November 30th 2013 |
| 8 | 9th JK Science congress and Regional Congress | University of Kashmir Srinagar | University of Kashmir Srinagar and J**&K State Council for Science and Technology Department of Science and Technology.** | Regional | 1-3 October 2013 |

**14. Consultancy Projects**

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| **S.No** | **Name of the Project** | **Funding Agency** | **Amount**  **(Lacs)** | **Expert Role** | **Status** |
| 1 | EIA & EMP of Pahalgam  Development Area, 2011 | Pahalgam Development  Authority | 24.20 | Aquatic Ecology | Completed |
| 2 | EIA/EMP of Gulmarg  Development Area, 2011-12 | Gulmarg Development  Authority | 13.5 | Aquatic Ecology | Completed |
| 3 | EIA/EMP of Yousmarg,  2012 | Yousmarg Development  Authority | 27.50 | Water Pollution (WP) and Ecology and Biodiversity-EB (Aquatic Ecology) | Completed |
| 4 | EIA/EMP of Sonamarg, 2014 | Sonamarg Development  Authority | 27.50 | Water Pollution (WP) and Ecology and Biodiversity-EB (Aquatic Ecology) | Completed |
| 5 | Rapid EIA of Wular Lake  2013 | Wular Development  Authority | 20.00 | Water Pollution (WP) and Ecology and Biodiversity EB (Aquatic Ecology) | Completed |
| 6 | EIA/EMP of Bursar Hydroelectric project Kishtiwar  2014 | NHPC | 41.80 | Water Pollution (WP) and Ecology and Biodiversity EB (Aquatic Ecology) | Completed |
| 7 | Environmental report on Luxury Mobile Tented camp (Karan Mahal camp) Srinagar. 2016 | Proprietor: Dr. Karan Singh | 4.15 | Water Pollution (WP) and Ecology and Biodiversity-EB (Aquatic Ecology) | Completed |
| 8 | Relocation and Realignment of Houseboat at Doledumb Dal Lake Srinagar | Jammu and Kashmir Lakes and Waterways Development Authority(LAWDA) Srinagar | 30 | Water Pollution (WP) and Ecology and Biodiversity-EB (Aquatic Ecology) | Ongoing |

**15. Invited Assignments**

1. Judge for evaluation of posters on the eve of Two-day workshop on the occasion of observance of World Environment Week 2019.

2. Chairman of Session on Environmental Science on 13th Session of Jammu and Kashmir Science Congress 2-4 April 2018.

**16. Invited Talks in conferences/seminars/symposia, and abstracts published in Souvenirs:**

1. Grant Writing and Funding agency one the eve of one week Research Methodology workshop for Science Scholars Organized by UGC-HRDC, University of Kashmir Srinagar from November 16, 2021 to November 22, 2021.

2. Grant Writing and Funding agency one the eve of 10 days Research Methodology workshop for Research Scholars Organized by Department of Environmental Science from 5 to 17 April 2021.

3. Valuing Water: A way towards achieving SDGs on the eve of online one day National Conference on Environment and Sustainable Development being organized by Shri Muktaanand College Gangapur Aurnagabad on 30 November, 2021. (Chief Guest)

4. Sewage and its impact on aquatic ecosystems: online Lecture organized by Department of Environmental Studies, Mata Sundri College for Women University of Delhi April 18, 2021.

5. Water quality of Jhelum River Basin: Perception and Reality on the eve of one day Seminar on State of Environmental Quality in Kashmir on 29 March 2021 organized by Govt. Degree College Beerwah Budgam.

6. Clean Water and Sanitation: Status and Statistics at S.P. College Srinagar (Online) on 02/01/2021 for NSS Volunteers organized by Cluster University of Srinagar.

7. Water quality assessment and monitoring – a case study of stream ecosystems of Kashmir Valley at capacity building and training programme titled “Adapting to Climate Change: A Focus on Biodiversity in the Western Himalayas” at Kashmir University from June 24 to July 6 2019 organized by ATREE in collaboration with Department of Botany, University of Kashmir Srinagar.

8. Invited Talk: Sewage Treatment Plants (STPs) and their efficiencies at TECHVAGANZA 2015 organized by National Institute of Technology Srinagar.

9. Invited Talk: Freshwater Springs of Kashmir Valley: Threatened Ecosystems delivered during One Day seminar on “Water Scarcity and Security: Local, Regional and Global Challenge” organized by Govt. Degree College Beerwah Budgam on 30-11-2017.

10. Executive editor: Journal of Himalayan Ecology and Sustainable Development (UGC CARE List Group I- 2015 onwards)

11. Assistant Executive editor: Journal of Himalayan Ecology and Sustainable Development (2012 and 2014).

# 17. Reviewer/Editor Experience

1. Journal of Research and Development.
2. Journal of Himalayan Ecology and Sustainable Development
3. Air, Soil and Water Research
4. Journal of water Sanitation and Hygiene for Development
5. International Journal of Environmental Protection
6. Environmental monitoring and Assessment
7. African journal of pure and Applied chemistry
8. Journal of Aquatic Ecosystem health and Management
9. Environmental Science and pollution Research
10. Water, Air and Soil pollution
11. Science of the total Environment
12. Chemosphere
13. Ecological Engineering
14. Aquaculture, Fish and Fisheries
15. Ecohydrology

**18. Research Guidance/Supervision/mentorship**

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| **S. No.** | **Name** | **Topic** | **Joining Year** | **Course** | **Status** |
|  | Aadil Hamid | Macroinvertebrates and Periphytic algal Community of Vishaw Stream in Kashmir | 2012 | Ph.D | Awarded |
|  | Showkat Ahmad Lone | Study of Hydro chemical and Biological Characteristics of Some Cernic Habitats of Kashmir | 2012 | Ph.D | Awarded |
|  | Tabassum Yaseen | Impact of thermal Stratification on Hydrochemical Characterization And Phytoplankton Distribution in Mansbal Lake of Kashmir Valley | 2013 | Ph.D | Ongoing |
|  | Inam Sabha | Study of Macroinvertebrates and Periphyton Community in Streams of Dal Catchment of Kashmir Valley | 2016 | Ph.D | Submitted |
|  | Umara Qayoom | Efficiency evaluation of FAB and SBR technology based sewage treatment plants around Dal Lake. | 2015 | Ph.D | Awarded |
|  | Sheikh Tajamul Islam | Study of Macroinvertebrates and Periphyton Assemblages of Rambiarrah Stream | 2015 | Ph.D | Ongoing |
|  | Inam Sabha | Study of Macroinvertebrates of Dagwan Stream Kashmir | 2014 | M.Phil | Awarded |
|  | Mohd Sharjeel Sofi | Impact of flow regulation on macroinvertebrate community in the Sindh river, Kashmir Himalaya | 2017 | Ph.D | Ongoing |
|  | Shahid Ahmad Dar | Assessment of land system changes and eutrophication of some select wetlands of Kashmir valley | 2017 | Ph.D | Submitted |
|  | Irfana Assad | Development of biodegradable packaging films loaded with bioactives from different macrophytes | 2017 | Ph.D | Ongoing |
|  | Shahida Naseem | Utilization of macrophytes as functional feed for the growth and development of cyprinus carpio | 2017 | Ph.D | Ongoing |
|  | Mir Rohi Neelofar | Modelling Water Allocation, availability and assessment of future water demands of an urban and rural setting in Sindh Basin of Kashmir Valley | 2018 | Ph.D | Ongoing |
|  | Aarif Yaseen | Investigation of microplastics in Dal Lake with toxicological implications on *Cyprinus carpio* | 2018 | Ph.D | Ongoing |
|  | Rameez Ahmad Shah | Assessing the ground water quality and metal ion mapping in Srinagar and Pulwama districts of Kashmir Valley (Tentative) | 2020 | Ph.D | Ongoing |
|  | Zareena Akhter | Pesticide residue analysis from water, sediment and biological tissues samples of different inland waters (Tentative) | 2020 | Ph.D | Ongoing |
|  | Rizwan Mudathir | Comparative study of litter decomposition in spring ecosystems of Kashmir Himalayas (Tentative) | 2020 | Ph.D | Ongoing |
|  | Aashiq Hussain Bhat | Ecosystem service evaluation of Wular lake (Tentative) | 2020 | Ph.D | Ongoing |

**19. List of PG Project Supervision/Guidance/Mentorship**

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| **S. No.** | **Name** | **Topic** | **Year** | **Status** |
| 1 | Sumaira Maqbool | Floods in Kashmir: Assessing Management Framework, Present and Past Perspectives | 2019 | Completed |
| 2 | Adnan Rashid | Evaluating the Socio-Economic and Environmental impacts of sand mining on River Health: A case study of Jhelum Ecosystem in Srinagar District | 2019 | Completed |
| 3 | Salma Yousuf | Environmental Impact Assessment in India: A Critical study of Law, its Amendments and Policy | 2019 | Completed |
| 4 | Mohmad Younis Dar | Water Quality Assessment and Preliminary Inventory of Springs in Beerwah Tehsil | 2018 | Completed |
| 5 | Bilal Ahmad Sheikh | Study of Water Quality Characteristics of Springs from Tehsil Kangan, Ganderbal | 2018 | Completed |
| 6 | Jasarat Shabir | Assessment of Water Quality and Public Perception About Springs: A  Case Study of Khansahib Tehsil in District Budgam, Kashmir | 2018 | Completed |
| 7 | Humaira Farooq | Assessment of Water Quality of Panner Reservoir, Tral, Kashmir | 2017 | Completed |
| 8 | Junaid Farooq | An Assessment of Plankton Community of Panner Reservoir Tral, Kashmir Himalaya | 2017 | Completed |
| 9 | Erum Mushtaq | Assessing Benthic Macroinvertebrate Diversity in Aripal Stream, Tral, Kashmir Himalaya | 2017 | Completed |
| 10 | Peerzada Abbas Aman | Study of Periphytic Algae of Aripal Stream | 2017 | Completed |
| 11 | Masarat Jan | Study of Physico-Chemical Characteristics of Aripal Stream of Tral, Kashmir Himalaya | 2017 | Completed |
| 12 | Faema Mir | Study of Drinking Water Quality of Srinagar District | 2016 | Completed |
| 13 | Asmat Un Nissa | Water Quality Characteristics of Some Fresh Water Springs of Anantnag District, Kashmir | 2016 | Completed |
| 14 | Suraya Mushtaq | Water Quality Assessment of Some Springs in Baramulla District, Kashmir | 2016 | Completed |
| 15 | Nazia Mohi Ud Din | Sewage Water Characteristics of Hazratbal STP Srinagar – Kashmir | 2015 | Completed |
| 16 | Shahid Ahmad Ganiee | Study of Vertical Variation in Limnochemistry of Nigeen Lake | 2015 | Completed |
| 17 | Tajamul Bashir Mir | Study of Vertical Variation in Limnochemistry of Nigeen Lake | 2015 | Completed |
| 18 | Shahid Ahmad Dar | Ecological Study of Nigeen Lake: Limnochemistry | 2014 | Completed |
| 19 | Mehru Nissa | Ecological Study of Nigeen Lake: Phytoplankton Community | 2014 | Completed |
| 20 | Saima Gulzar | Ecological Study of Nigeen Lake: Macroinvertebrate | 2014 | Completed |
| 21 | Saima Parvez | Dal Lake: Study of Water Chemistry | 2013 | Completed |
| 22 | Imadiya Javaid | Dal Lake: Study of Macro-Invertebrate Community with respect to Macrophytes | 2013 | Completed |
| 23 | Ulfat Jan | Dal Lake: Study of Phytoplankton Community | 2013 | Completed |
| 24 | Inam Sabha | Ecological Study of Gulmarg Wildlife Sanctuary: Stream Periphytic Community | 2012 | Completed |
| 25 | Aaliya Rafiq | Ecological Study of Gulmarg Wildlife Sanctuary: Macrozoobenthic Community | 2012 | Completed |
| 26 | Gousia Mehraj | Ecological Study of Gulmarg Wildlife Sanctuary: Ground Water Quality | 2012 | Completed |

1. **RESEARCH PUBLICATIONS**
2. Islam, S.T., Dar, S.A., Sofi, M.S., **Bhat, S.U⁕**., Sabha,I., Hamid, A., Jehangir, A., and Bhat, A.A. 2021. Limnochemistry and Plankton Diversity in Some High Altitude Lakes of Kashmir Himalaya. Frontiers in Environmental Science- Freshwater Science,  [doi.org/10.3389/fenvs.2021.681965](https://doi.org/10.3389/fenvs.2021.681965). **IF: 4.5**
3. Sofi, M.S., Rautela,K.S., **Bhat, S.U⁕**., Rashid, I. and Kuniyal, J.C. 2021. Application of Geomorphometric approach for the estimation of hydro-sedimentological flows and Cation weathering rate: Towards understanding the sustainable land use policy for the Sindh Basin, Kashmir Himalaya *Water, Air, & Soil Pollution,* 232(7):1-11**IF: 2.5**
4. Dar, S.A., Rashid, I. and **Bhat, S.U⁕**. 2021. Linking Land system changes (1980-2017) with the trophic status of an urban wetland: Implications for Wetland Management. Environmental Monitoring and Assessment, 193(11): 1-17. **IF: 2.8.**
5. Hamid, A., **Bhat, S.U⁕**. and Jehangir, A. 2021. Assessment of ecological characteristics of macroinveretebrate communities and their relationship with environmental factors in a stream ecosystem. *Chemistry and Ecology*, DOI:10.1080/02757540.2021.1987419. **IF:2.2**.
6. **Bhat, S.U⁕**., Islam, T.S., Sabha, I and Khanday, S. A. 2021. Understanding Morphometric Response to Erosion and Flash floods in Jhelum River Basin: Index Based Geospatial Management Approach. *International Journal of Environmental Science and Technology*.. Accepted **IF: 3**
7. 3. Qayoom , U.,  **Bhat, S.U⁕** Ahmad, I. and Kumar, A. 2021. Assessment of potential risks of Heavy Metals from Wastewater Treatment Plants of Srinagar city, Kashmir. *International Journal of Environmental Science and Technology*. doi.org/10.1007/s13762-021-03612-8 **IF: 3**
8. Bhat, S.U., Islam, S.T., Sabha, I. and Khanday, S.A. 2021.Understanding the spatiotemporal pollution dynamics of highly fragile montane watersheds of Kashmir Himalaya, India. *Environmental Pollution* **(IF=8).** [10.1016/j.envpol.2021.117335](https://doi.org/10.1016/j.envpol.2021.117335)
9. Dar, S.A., Rashid, I., **Bhat, S.U\*.** 2021. Land system transformations govern trophic status of urban wetland ecosystem: Perspectives from remote sensing and water quality analysis. Land Degradation & Development. Accepted. [DOI: 10.22541/au.160071436.64933166](DOI:%2010.22541/au.160071436.64933166). **IF. 5**
10. Lone, S.A., Hamid, A. and **Bhat, S.U⁕**., 2021. Algal Community Dynamics and Underlying Driving Factors in Some Crenic Habitats of Kashmir Himalaya. *Water, Air, & Soil Pollution*. DOI :[**https://doi.org/**10.1007/s11270-021-05010-9b](https://doi.org/10.1007/s11270-021-05010-9b). **IF: 2.5**
11. Yaseen, T. and **Bhat, S.U⁕**. 2021. Assessing the Nutrient Dynamics in a Himalayan Warm Monomictic Lake. *Water, Air, & Soil Pollution*. DOI :[**https://doi.org/**10.1007/s11270-021-05054-x](https://doi.org/10.1007/s11270-021-05054-x) **IF: 2.5**
12. Qayoom, U **Bhat, S.U⁕**and Ahmad, I. 2021. Efficiency evaluation of sewage treatment technologies: Implications on aquatic ecosystem health. *Journal of Water and Health* (IWA). <https://doi.org/10.2166/wh.2020.115.> **IF. 1.7**
13. Khanday, S.A., **Bhat, S.U⁕**., Islam, T.S. and Sabha, I., 2021. Identifying lithogenic and anthropogenic factors responsible for spatio-seasonal patterns and quality evaluation of snow melt waters of the River Jhelum Basin in Kashmir Himalaya. CATENA. <https://doi.org/10.1016/j.catena.2020.104853>. **IF: 5**
14. Sofi, M.S., Hamid, A. and **Bhat, S.U⁕**. 2020. Coronavirus COVID-19: A critical review of its history, pathogenesis, Transmission, Diagnosis and Treatment.  *Biosafety and Health.* Elsevier. <https://doi.org/10.1016/j.bsheal.2020.11.002>
15. Lone, S.A., **Bhat, S.U⁕**., Hamid, A., Bhat, F.A.and Kumar, A. 2020. Quality assessment of springs for drinking water in the Himalaya of South Kashmir, India. Environmental Science and Pollution Research. DOI: <https://doi.org/10.1007/s11356-020-10513-9>. **IF: 4.3**
16. Sofi, M.S., **Bhat, S.U⁕**., Rashid, I. and Kuniyal, J.C. 2020. The Natural flow regime: A master variable for maintaining river ecosystem health**.** *Ecohydrology*. <https://doi.org/10.1002/eco.2247>. **IF: 2.8**
17. Naseem, S., **Bhat, S.U⁕**., Gani, A. and Bhat, F.A. 2020.Perspectives on utilization of macrophytes as feed ingredient for fish in future aquaculture. *Reviews in Aquaculture.* <https://doi.org/10.1111/raq.12475> **IF: 10.5**
18. Assad, I., **Bhat, S.U⁕**., Gani, A. and Shah, A. 2020. Protein based packaging of plant origin: Fabrication, properties, recent advances and future perspectives. *International Journal of Biological Macromolecules.* 1:(164) :707-716. [10.1016/j.ijbiomac 2020.07.140.](https://doi.org/10.1016/j.ijbiomac.2020.07.140) **IF:6.9**
19. Sabha, I., Khanday, S.A., Islam, T.S. and **Bhat, S.U⁕**., 2020. Longitudinal and temporal assemblage patterns of benthic macroinvertebrates in snow melt stream waters of the Jhelum River Basin of Kashmir Himalaya (India). *Ecohydrology*, DOI:  <https://doi.org/10.1002/eco.2236>. 13(7):1-16. **IF: 2.8**
20. **Bhat, S.U⁕**., Mushtaq, S., Qayoom, U. and Sabha, I. 2020. Water quality scenario of Kashmir Himalayan Springs- A case study of Baramulla District, Kashmir Valley. *Water, Air, & Soil Pollution*. <https://doi.org/10.1007/s11270-020-04796-4>. **IF: 2.5**
21. **Bhat, S.U⁕**. and Pandit. A.K. 2020. Water quality assessment and monitoring of Kashmir Himalayan freshwater springs- A case study. *Journal of Aquatic Ecosystem Management and Health.* 23(3):274-287. <https://doi.org/10.1080/14634988.2020.1816771>. **IF:0.76**
22. Dar, S.A., **Bhat, S.U⁕**. Rashid, I. and Dar. S.A. 2020. Current Status of Wetlands in Srinagar City: Threats, Management Strategies, and Future Perspectives. Frontiers in Environmental Science- Freshwater Science. <https://doi.org/10.3389/fenvs.2019.00199>. **IF:4.5**
23. Dar, S.A., **Bhat, S.U**., Aneaus, S. and Rashid, I. 2020. A geospatial approach for limnological characterization of Nigeen Lake, Kashmir Himalaya. *Environmental Monitoring and Assessment*. <https://doi.org/10.1007/s10661-020-8091-y> **IF: 2.8**
24. Hamid, A., **Bhat, S.U.** and Jehangir, A. 2020. Local determinants influencing stream water quality. *Applied Water Science*. **IF: 4.3**. <https://doi.org/10.1007/s13201-019-1043-4>
25. Kuniyal, J.C., **Bhat. S.U.** and Singh, H.B. 2019. Anthropogenic impacts and their management options in different ecosystems of the Indian Himalayan Region. Meeting Report*. Current Science*, 117(3):358-359. **IF: 1.1**
26. Farooq, J., Farooq, H., Islam, S.T., Sofi, M.S., Qayoom, U. and **Bhat. S.U⁕.** 2019. Hydrobiological Study of the Panner Reservoir Tral, Kashmir.  *Journal of Himalayan Ecology and Sustainable Development,***14**:1-18.
27. Sabha, I., **Bhat, S.U⁕**., Hamid, A. and Rather, J.A. 2019. Monitoring stream water quality of Dagwan Stream, an important tributary of Dal Lake, Kashmir Himalaya. *Arabian Journal of Geoscience*, Springer. <https://doi.org/10.1007/s12517-019-4439-4>. **IF:** **1.9**
28. **Bhat, S.U⁕.** and Pandit, A.K. 2018.Hydrochemical Characteristics of Some Typical Freshwater Springs - A Case Study of Kashmir Valley Springs. *International Journal of Water Resources and Arid Environments* **7**(1): 90-100.
29. Javaid, I., Sabha, I., Qayoom, U., and **Bhat, S.U⁕.** 2018. Diversity and Density Patterns of Macroinvertebrates on Different Macrophytes in Dal Lake, Kashmir. *Journal of Himalayan Ecology and Sustainable Development,* **13**:11-25.
30. Islam, S.T., Ganaie, M.M., Kumar, V. and **Bhat, S.U⁕.** 2018. Present Status of Platanus orientalis L. in District Pulwama of Jammu and Kashmir.  *Journal of Himalayan Ecology and Sustainable Development,* **13**:49-60.
31. Hameed, A., **Bhat, S.U⁕**., Sabha, I. and Lone, SH. 2018. Water Quality Monitoring of Some Freshwater Springs in Hazratbal Tehsil, Srinagar, Kashmir Himalaya. *Journal of Himalayan Ecology and Sustainable Development,* **13**:61-74.
32. Ahmad, A., Qayoom, U.,Sabha, I., **Bhat, S.U⁕**. and Tajamul, S. 2017. An Assessment of Phytoplankton Communities of various freshwater habitats of Gulmarg area in Kashmir Valley. *Journal of Himalayan Ecology and Sustainable Development,* **12**:89-99.
33. Rafiq, A., Sabha, I., Qayoom, U. and **Bhat, S.U⁕**. 2017. Study of Benthic Macroinveretebrate Communities in different streams of Gulmarg area of Kashmir Valley. *Journal of Himalayan Ecology and Sustainable Development,* **12**:33-43.
34. **Bhat, S.U⁕**. and Sabha, I. 2016. Biological indicators and water quality monitoring in freshwater stream ecosystems of Kashmir Valley. *India Water Week 2016. (Proceedings). Water and Health-Managing Water Quality*, 4(1): 1 -12.
35. Nissa, M. and **Bhat, S.U⁕**. 2016. An Assessment of Phytoplankton in Nigeen Lake of Kashmir Himalaya. *Asian Journal of Biological Sciences*, **9**(1):27-40.
36. Hamid, A., Ajaz, S., **Bhat, S.U.** and Jehangir, A. 2016.Environmetric techniques in water quality assessment and monitoring: a case study. *Environmental Earth Sciences*, 75(2):1-13. <https://doi.org/10.1007/s12665-015-5139-3>. **IF: 2.8**
37. Rashid, R., Pandit, A.K. and **Bhat S.U.** 2015. Species composition and biomass of annelids of Wular Lake, a Ramsar site in Kashmir, India" *African Journal of Environmental Science and Technology*, **9**(1): 47 -52. [DOI: 10.5897/AJEST2014.1686](DOI:%2010.5897/AJEST2014.1686)
38. Ulfat, J., Sabha, I., Parvaiz, S. and **Bhat, S.U⁕**. 2015. A preliminary study of Phytoplankton community of Dal lake. *Journal of Himalayan Ecology and Sustainable Development,* **10**:15-25.
39. **Bhat, S.U⁕**. and Lone, S.H. 2015. Quality of Fresh Springs-A case study of District Anantnag Kashmir" *India Water Week 2015. (Proceedings). Water Management for Sustainable Development,* **3**(1): 1 -10.
40. Parvaiz, S. and **Bhat, S.U⁕.** 2014. Searching for water quality improvement in Dal lake, Srinagar, Kashmir. *Journal of Himalayan Ecology and Sustainable Development,* **9**:51-64.
41. Rashid, R., Bhat, R.A., Pandit, A.K. and **Bhat S.U**.2013. Ecological study of periphytic algal community of Doodh Ganga and Khansha-Mansha streams of Yusmarg forests: A health resort of Kashmir Valley, India. *Ecologia Balakinica*, 5 (1):9-19.
42. Sabha, I. and **Bhat, S. U⁕.** 2013. A preliminary study on periphytic algae of Ferozpur and Ningal Nallah in Gulmarg Wildlife Sanctuary, Kashmir Valley. *Journal of Himalayan Ecology and Sustainable Development,* **8**:14-29.
43. Baba, A.I., Yaseen, T., Dar, N.A., **Bhat, S.U.,** Pandit, A.K. and Yousuf, A.R. 2013. Physico-Chemical characteristics and periphytic algae of Sindh stream, Kashmir Himalaya. *Journal of Himalayan Ecology and Sustainable Development,* **8**:60-78.
44. Hajam, R. A., Hamid, A. and **Bhat, S.U**.2013. Application-of-morphometric-analysis-for-geohydrological-studies-using-geospatial-technology. Hydrol Current Res., 4:(3):157. [DOI: 10.4172/2157-7587.1000157](DOI:%2010.4172/2157-7587.1000157)
45. Mir, A.H., Jehangir, A. **Bhat, S.U**. and Jan, L., 2013. Evaluation of Drinking water, Sanitation and Hygiene conditions at the worlds famous Tourist Station Pahalgam, Kashmir, India. *International Journal of Environment and Bioenergy,* **6**(2):68-80.
46. Hamid, A., Dar, N.A., **Bhat, S.U**. and Pandit, A.K., 2013. Water Quality Index: A case study of Vishav stream, Kulgam, Kashmir. *International Journal of Environment and Bioenergy,* **5**(2):1-15.
47. Hajam, R.A., Hamid, A., Dar, N.A. and **Bhat, S.U**., 2013. Morphometric analysis of Vishav drainage basin using Geo-Spatial Technology (GST). *International Research Journal of Geology and Mining,* **3**(3):136- 146.
48. Dar, N.A., Hamid, A., Pandit, A.K. Ganai, B.A., and **Bhat, S.U**., 2013. Total Lipid Content in Macrophytes of Wular Lake, a Ramsar Site in Kashmir Himalaya. *International Journal of Plant Physiology and Biochemistry,* **5**(1):11-15.
49. Lone, S.H., Pandit, A.K. and **Bhat, S.U**. 2013. Species Composition and Diversity of Phytoplankton in Some Crenic Habitats of District Anantnag, Kashmir. *Egyptian Academic Journal of Biological Science*, 4(2):19-26.
50. Dar, N.A., Hamid, A., Ganai, B.A., **Bhat, S.U**. and Pandit, A.K., 2012. Primary Production Dynamics of Two Dominant Macrophytes in Wular Lake, a Ramsar Site in Kashmir Himalaya. *Ecologia Balkanica*, **4**(2):77-83.
51. Lone, S.H.,Pandit, A.K. and **Bhat, S.U⁕**., 2012. Dynamics of Periphytic Algae in some Crenic Habitats of District Anantnag, Kashmir. *Journal of Himalayan Ecology and Sustainable Development,* **7**:28-34.
52. **Bhat, S.U⁕**., Dar, G.A., Sofi, A.H., Dar, N.A. and Pandit, A.K. 2012. Macroinvertebrate Community Associations on Three Different Macrophytic Species in Manasbal Lake. *Research Journal of Environmental Sciences,* **6** (2):62-76.
53. Baba, A.I.,Sofi, A. H., **Bhat, S. U⁕.** and Pandit, A.K., 2011. Periphytic algae of River Sindh in the Sonamarg Area of Kashmir Valley. *Journal of Phytology,* **3(**6):1-12.
54. **Bhat, S.U⁕**., Sofi, A.H., Tabassum, Pandit, A.K. and Yousuf, A.R., 2011. Macroinvertebrate Community From Sonamarg Streams of Kashmir Himalaya. *Pakistan Journal* o*f Biological Sciences,* **14** (3) 182-194.
55. Lone, S. A., **Bhat, S. U⁕**., Pandit, A. K., 2011. A preliminary limnological investigation of golden- key lake, Clemant town, Uttranchal. *Current Botany,* **2**(6):26-30.
56. Ganie, S. U., **Bhat, S. U⁕**., Shah, J. A. and Pandit, A. K.,2010. Phytoplankton studies of Hokarsar wetland, Kashmir. *Journal of Himalayan Ecology and Sustainable Development,* **5**:157-167.
57. **Bhat, S.U⁕**., Pandit, A.K. and Mudathir, R.,2010. Limnological investigation of three freshwater springs of Pulwama district-Kashmir Valley. *Recent Research in Science and Technology,* **2**(2): 88-94.
58. **Bhat, S.U⁕.** and Pandit, A.K., 2010. Limnochemistry of three fresh water springs of Kashmir Himalaya. Hydro Nepal- *Journal of Water, Energy and Environment*. **7**: 54-59.
59. **Bhat, S.U⁕.** and Pandit, A.K., 2009. Ecological Study of Macro invetebrate Communities in Three Limnocrene Freshwater Springs of Kashmir Himalaya. *Journal of Natural Sciences and Mathematics,* **3**(2):89-96.
60. **Bhat, S.U⁕** and Pandit, A.K., 2006. Influence of Substrate on the fate of macrozoobenthos in Saeskoon water quality, a small tributary of Vashuv stream. *Journal of Research and Development,* **6**: 35-41.
61. **Bhat, S.U⁕.** and Kamili, A.N. 2004. A Preliminary aquatic Mycological Study of Dal Lake. *Journal of Research and Development,* **4**: 87-95.

**BOOK CHAPTER**

1. Bhat, S.A. Darzi, M.A. & **Bhat, S.U.** 2019. Sustainable Business Model in B2C Online Retailing: An Indian Consumer Perspective, Jain, G., Singh, H., Akter, S, Munjal, A. (Ed.) Handbook of Research on Technological Innovations for Sustainability and Business Growth, IGI Global Publishers, ISBN: 9781522599401.
2. Lawrence E Stevens, Anwar A Aly, Sarah M Arpin, Iva Apostolova, Gail M Ashley, Paulo Quadri Barba, Jose Barquín, Aude Beauger, Lahcen Benaabidate, **Bhat, S.U.**, Lhoussaine Bouchaou, Marco Cantonati, Teresa M Carroll, Russell Death, Kathleen A Dwire, Miguel Fernandes Felippe, Roderick J Fensham, Alan E Fryar, Roger Pascual i Garsaball, Vojsava Gjoni, Douglas S Glazier, Nico Goldscheider, Joseph T Gurrieri, Ragnhildur Guðmundsdóttir, Atzalan Rodriguez Guzman, Michal Hájek, Kristian Hassel, Tamara Heartsill-Scalley, Jaume Solé i Herce, Dirk Hinterlang, Joseph H Holway, Jari Ilmonen, Jeffrey Jenness, Jutta Kapfer, Ioannis Karaouzas, Robert L Knight, Agnes-Katharina Kreiling, Christian Herrera Lameli, Jeri D Ledbetter, Nataly Levine, Melinda D Lyons, Robert E Mace, Angeliki Mentzafou, Pierre Marle, Nils Moosdorf, Monica K Norton, Allan Pentecost, Guillermo García Pérez, Bianca Perla, Abdullah A Saber, Donald Sada, Stefano Segadelli. 2021. [The Ecological Integrity of Spring Ecosystems: A Global Review](https://scholar.google.com/scholar?cluster=5290002552155454281&hl=en&oi=scholarr). In Imperiled: The Encyclopedia of Conservation. 1-16. Elsevier.
3. **Bhat, S.U⁕**.,, Shahid Ahmad Dar,S.A., and Sabha I. 2021 [Assessment of Threats to Freshwater Spring Ecosystems](https://scholar.google.com/scholar?cluster=15594038181658718137&hl=en&oi=scholarr). In: Imperilled: The Encyclopedia of Conservation. 1-16. Elsevier.
4. **Bhat, S.U⁕**. and Qayoom, U. 2021. Implications of Sewage on fresh water Ecosystems. In: Sewage- Recent Advances, New Perspectives and Applications. IntechOpen. (ISBN 978-1-83969-825-5).
5. Sofi, M.S., 1 , Islam, S.K., 1 , Rautela, K.S and **Bhat, S.U⁕**. 2021. Towards understanding the recent advancements in Streambank management and Best practices, In: Ecosystems Intereactions and Management. Book Enclave.
6. Dar, S.A., **Bhat, S.U⁕**. and Rashid, I. 2022. The Status of Current Knowledge, Distribution and Conservation Challenges of Wetland Ecosystems in Kashmir Himalaya. In: wetland Conservation: Current Challenges and Future Strategies. John Wiley and Sons. Pp. 175-200.
7. **Bhat, S.U⁕**. Akhter, Z., Neelofar, M.R. and Qayoom, U. 2021. Implications of Pesticide use on Aquatic Ecosystems. In: Pesticides in Natural Environment: Sources, Health Risks and Remediation.

⁕ Corresponding author

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