



DR. GAGAN MATTA

M.Sc. Ph.D. Environmental Science
MRSC, FMANU, FIAES

Looking for a challenging role in the field of environmental science with major focus on water conservation, utilizing my research and technical, skills for the growth of Science and Society as well as to enhance my knowledge with latest scientific advancements in the respective field.

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INTERESTS

Water quality Indexing

Limnology and Aquatic Ecology

Environmental Pollution

Toxicology

Informatics in Environmental Science

Science and Communication

EXPERTISE

Water quality Indexing

Data management

Scientific Communication

Green Audit

Water quality monitoring &
Assessment

Experience

Academic

10 Years

Research

15 Years

Research Grants

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International Visits

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Academic & Research Honours

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Fellow Awards

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Member of Academic Bodies

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Ph.D.'s under Supervision

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M.Sc. Supervised

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Research Publications

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Books Authored

05

Books Edited

16

Academic Trainings

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Research Trainings

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Conferences

61

Workshops

14

EDUCATION

- **Doctor of Philosophy** in 2009 in **Environmental Science**
Department of Zoology & Environmental Sciences, Gurukula Kangri University, Haridwar, India
Title: “Mechanistic modeling of phytoplankton ecology of River Ganga from Rishikesh to Haridwar (U.A.)”
- **Master of Science** in 2006 in **Environmental Sciences**
Department of Zoology & Environmental Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India
- **Bachelor of Science** in 2004 with Specialization in **Forestry & Wildlife Management**
Chinmaya Degree College, Haridwar, Uttarakhand, India

CERTIFICATION'S

- **One Year Diploma** in 2002 “SMT-Diploma in computer application” from SMT Computer institute, Haridwar, Head office: New Delhi.
- **“O” Level** in 2003 from DOEACC Society, New Delhi, India
- **One Year Diploma** in “Concept of Oracle & Web page Designing, VB” from MANAV SHAKSHINIC PRASHAKSHINIC AVAM VIKAS SANSTHAN, Haridwar in 2004.
- **Six Month's Certificate Course** in 2005 in “Concept of Webpage Development”, from MANAV SHAKSHINIC PRASHAKSHINIC AVAM VIKAS SANSTHAN, Haridwar.

ACADEMIC TRAININGS

- **Orientation Course: Achieved “A” Grade Certificate**
UGC Academic Staff College, Kumaun University, Nainital.
03.04.2012 to 30.04.2012
- **Refresher Course: Achieved “A” Grade Certificate**
UGC Academic Staff College, Kumaun University, Nainital.
19.11.2014 to 09.12.2014
- **Faculty Development Programme:**
2 Weeks FDP on Research Methodology in Department of Zoology and Environmental Science, Gurukula Kangri Vishwavidyalaya, Haridwar
- **Refresher Course: Achieved “A+” Grade Certificate**
UGC – HRDC, University of Allahabad, Allahabad
26 November 2019 to 09 December 2019
- **Online Training: “Online Education & Teaching Methodologies”**
Organized by Swayam Committee, Gurukula Kangri Vishwavidyalaya, Haridwar
07 – 10 August, 2020

RESEARCH TRAININGS

- **“Summer Training Course”** From May 31st - 10th June, 2002, In Department of Forestry & Wildlife Management, Chinmaya Degree College, Haridwar, Uttaranchal.
- Two and half months **training programme** on Bioreactor from 21-1-2009 to 15 -3 2009 in Department of Zoology, Sant Gadge Baba Amravati University, Amravati, Maharashtra.
- **Foundation UPC course** in 2010 in **Program promoted by the UNESCO Chair of Sustainability** by Polytechnic Foundation of Catalonia, Barcelona.
Specialization in **Modeling in Ecology and Resource Management Naturals**
- **Trainings Course: 2 Days Microsoft - SAKSHAM – IT Champion Training Program** from 22 – 09 – 2017 to 23 – 09 – 2017.
- **Training Course**
5 days Training course on “Biodiversity Conservation” from 4th – 8th November 2019
Sponsored by DST at Wildlife Institute of India, Dehradun
- **Training Course**
National spearhead training programme for professors of Ganga River Basin on “Wetland Conservation & Biodiversity Monitoring of Ganga and its tributaries” at Wildlife Institute of India, Dehradun from 09th – 11th March 2021.
- **Training Course**
National Natural Resource Management System NNRMS-ISRO Sponsored Certificate Courses for Faculty/Scientists/Engineers/Officers through Online mode from during 07.06.2021 – 24.06.2021 organized by Indian Institute of Remote Sensing, Dehradun.

EXPERIENCE: ACADEMIC – 10 Years + (for Undergraduate, Post — graduate and Ph.D.)

- **5 Years 6 months** [23 March 2015 — Present] [**Stage - 2**]
Assistant Professor (Senior) [Pay 15600 — 39100 + 7000 AGP]
Department of Zoology and Environmental Science,
Gurukula Kangri Vishwavidyalaya, Haridwar, (U.K.), India – 249404
- **4 Years** [23 March 2011 — 22 March 2015] [**Stage - 1**]
Assistant Professor [Pay 15600 — 39100 + 6000 AGP]
Department of Zoology and Environmental Science,
Gurukula Kangri Vishwavidyalaya, Haridwar, (U.K.), India – 249404

EXPERIENCE: RESEARCH – 15

- **Co-ordinator** [April, 2011 – Present]
Hydrological Research Lab.
Department of Zoology and Environmental Science,
Gurukula Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India

- **Project Fellow** [April, 2010 – March, 2011]
UGC Funded Project [File Number - 37-194/2009 (SR)]
 Department of Zoology and Environmental Science,
 Gurukula Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India

- **Research Scholar** [July, 2006 —December, 2009]
Doctor of Philosophy in Environmental Science
 Department of Zoology & Environmental Sciences,
 Gurukula Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India

- **Research Fellow** [January, 2008 to August, 2009]
UGC Meritorious Fellowship Scheme,
 Department of Zoology and Environmental Science,
 Gurukula Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India

- **Research Trainee** [January 2006 – June 2006]
 UGC-SAP Project on “*Biodiversity of Uttaranchal*”,
 Department of Zoology and Environmental Science,
 Gurukula Kangri Vishwavidyalaya, Haridwar, Uttarakhand, India

Administrative Responsibilities

- **Coordinator, Eco-Club [2015 – Present],**
 Gurukula Kangri Vishwavidyalaya, Haridwar, India
- **Secretary, Gurukula Kangri Vishwavidyalaya Alumni Association [2015 – 2020],**
 Gurukula Kangri Vishwavidyalaya, Haridwar, India
- **Member Secretary, Green Audit Cell [2015 – Present],**
 Gurukula Kangri Vishwavidyalaya, Haridwar, India
Conducted Green Audit of GKV, Haridwar
 - 2015 (Completed)
 - 2016 – 2018 (Completed)
 - 2018 – 2019 (Completed)
- **Member of Admission Committees** in Bachelor's and Master Degree.
- **Member of Committee for Choice Based Credit System (CBCS)** in Department for Master Degree Courses
- **Designed two P.G. Diploma's** (In process to start)
 1. Disaster Management and
 2. Industrial health, Safety and Environment for University.

Academic Responsibilities

- **Member of Exam Panel** in Different Universities.
- **Member of Ph.D. Expert Panel** in various universities
- **Member of Editorial Boards**
- **Member of the Editorial Board as Executive Editor**
ESSENCE – International Journal for Environmental Rehabilitation and Conservation, Published by
MANU – International Council for Man and Nature.
- **Member of Editorial Board as Editor** in International Journal of Research in Biosciences,
Agriculture & Technology published by Vishwashanti Multipurpose Society.
- **Member of Advisory Board** in Science Park Journal published by Bridge Center, Romania, and
Laxmi Book Publication, India.
- Member of Editorial Board **Review Editor in Frontiers in Water and Human Health**

Online profile links

- Google Scholar: <https://scholar.google.co.in/citations?user=OYoLP14AAAAJ&hl=en>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=56641382400>
- ORCID: <https://orcid.org/0000-0002-2893-7108>
- Researchgate: <https://www.researchgate.net/profile/Gagan-Matta>

Research Grants: 04

- **Start - Up grant - UGC BSR, New Delhi (COMPLETED)**
Title: “Ecological Assessment analysis of River Yamuna using the application of statistics and modeling”
Duration – One year [2012—2013]
Department of Zoology & Environmental Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar, India
Amount – **Rs. 6,00,000.00. (COMPLETED)**

- **Water Technology Initiative (WTI) – DST, Govt. of India, New Delhi (COMPLETED)**
Title: ‘Impact of industrial growth on water and soil quality and its health risk assessment with special reference to heavy metal contamination’
Duration – Two years [2012—2014]
Department of Zoology & Environmental Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar, India

- **(NCSTC) – DST, Govt. of India, New Delhi (COMPLETED)**
Title: ‘Health risk awareness with special reference to water hygiene and Environmental conservation by development of webportal and awareness campaigns in Uttarakhand’
Duration – Two years [2014—2016]
Department of Zoology & Environmental Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar, India

- **(SYST) – DST, Govt. of India, New Delhi (COMPLETED)**
Title: ‘Water quality assessment and indexing of River Ganga and Ganga canal in Uttarakhand’
Duration – Two years [2017—2019] but completed in 2021 due to COVID19
Department of Zoology & Environmental Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar, India

- **Major Research Project – Uttarakhand State Council for Science and Technology (Ongoing)**
Title: “Impact assessment of pre and post COVID19 on air and water quality of Haridwar District in Uttarakhand”
Duration – Two years [2021—2023]
Department of Zoology & Environmental Sciences, Gurukula Kangri Vishwavidyalaya, Haridwar, India

Academic & Research Honours

- **First Prize** in Poster Presentation in “*UGC-SAP National Seminar on Biodiversity of Uttarakhand State*” held on 27-28 March, 2006, in Department of Zoology & Environmental Science, Gurukul Kangri University, Haridwar, Uttarakhand, India.
- **First prize** in Poster Presentation in National Workshop on *Solid Waste Disposal* on 10 April, 2007, organized by Department of Zoology and Environmental Science, Gurukul Kangri University, Haridwar, Uttarakhand.
- **UGC Fellowship** for 2 years from Jan-2008 to Jan-2010 (Completed on August 2009 as completion of Ph.D.).
- **Junior Young Scientist Award & Gold Plated Medal** presented by *Action for Sustainable, Efficacious Development and Awareness* (ASEA) Society, India for best paper presentation in National Seminar on “**Global Warming: It’s Impact on Environment, Economy, Society and Politics**” on 27-28 December 2008, in S.M.J.N. (P.G.) College, Haridwar (U.K.), India.
- “**Certificate of Appreciation**” from Rotary International in the year 2008-2009.
- **International Young Scientist Award** in International Congress on Environmental Research (ICER – 10) held from September 16 to 18, 2010, University of Mauritius, Reduit, Mauritius.
- **Best Performer Award** in World Congress for Man and Nature “Global Climate Change and Biodiversity Conservation” held from 11th to 13th November, 2011, in Department of Zoology and Environmental Science, Gurukula Kangri University, Haridwar, India.
- **Distinguished best researchers and academicians award** in *Sri Lanka* by International Society of Science and Technology in Sri Lanka Foundation Hall, Colombo, Sri Lanka.
- **Distinguished Scientist Award** by Vishwashanti Multipurpose Society, India during 1st International Congress on Science and Technology for Society from 23 – 25 May 2014 in Bangkok, Thailand.
- **Distinguished Researcher Award** in 1st International Conference on Science, Engineering and Technology (ICSET - 2015) during November 21, 22 & 23, 2015 at Birla Institute of Technology, Offshore Campus - Ras al Khaimah, U.A.E. Dubai.
- **Certificate of Appreciation** in International Conference on Advances in Science, Engineering and Technology organized by International Journal of Advance Research and Innovation and MANU - International Council for Man and Nature from 29 - 30 January, 2016 in Haridwar, India
- **DST Representative** (2015- 2016) for selection of Science Communicator in Programme of Science Communicator in Haridwar Chapter of, The Indian Science Congress Association.
- Awarded with **AWARD FOR RESEARCH EXCELLENCE** by **Indus Foundation** during **Indo - US Education Submit - 2016** in New Delhi.
- Awarded with **Environmentalist of the Year Award 2016** by National Environmental Science Association, New Delhi in Punjab University, Chandigarh in November 2016.
- **Member of 2nd BRICS Young Scientists Conclave to take place in Hangzhou, China** during 11-15 July 2017 in Science & Communication Section
- Selected for **Invited Talk on Swachh Bharat, by Ministry of Earth Sciences during the India International Science Festival in Anna University, Chennai** from 13 – 16 October 2017.

- Awarded with **Young Scientist Award for Water Quality Research in Uttarakhand** during **World Education Summit and Awards** in New Delhi, India. **27 March 2018.**
- **International Travel Support** from Science and Engineering Research Board, Department of Science and Technology, Govt. of India to attend the International Conference “**WaterEnergyNexus - 2018**”, **University of Salerno, Salerno, Italy.**

Fellow Awards

- **Fellow Award** – Action for sustainable, Efficacious Development and Awareness (ASEA) Rishikesh, India
- **Fellow Award** – Awarded as Fellow of *International Congress of Environmental Research (ICER)*, India
- **Fellow Award** – Awarded as fellow of *Applied and Natural Science Foundation (ANSF)*, India
- **Fellow Award** – Awarded as fellow of *MANU-International Council for Man and Nature*, India
- **Fellow Award** – Awarded as Fellow of *Vishwashanti Multipurpose Society*, India during 1st International Congress on Science and Technology for Society from 23 – 25 May 2014 in Bangkok, Thailand
- **Fellow Award** – Indian Academy of Environmental Science, India

Member of Academic Bodies: Life Memberships

- Life Member of Indian Science Congress Association (ISCA), India.
- Life Member of International Congress of Environmental Research (ICER), India.
- Life Member of Flora and Fauna, India.
- Life Member of MANU-International Council for Man and Nature, India.
- Life Member of SHARAD Society, Srinagar, Garhwal, Uttarakhand, India.
- Life Member of Applied and Natural Science Foundation (ANSF), India.
- Life Member of National Environmental Science Academy, India.
- Life Member of Indian Water Works Association, India.
- Life Member of International Indian Statistical Association, USA.
- Life Member of Vishwashanti Multipurpose Society, India.
- Life Member of Indian Academy of Environmental Science, India
- Life Member of Vigyan Bharti, India

Memberships for Five years

- **Royal Society of Chemistry, London (MRSC) (2018 - 2023)**

Memberships for Two Years

- **International Water Association (2018 – 2020)**
- **International Water Association (2021 – 2023)**

International Visits

- **Mauritius -University of Mauritius**, Reduit, Mauritius on September 16 to 18, 2010 for International Congress on Environmental Research (ICER-10).
- **Sri Lanka** - International Conference on Environment and Humanity Eco revolution 2012, 18-20 August 2012 at Colombo, Srilanka, and Organised by Econeeds foundation.
- **Thailand** - International Congress on Science and Technology for Society on Sustainable biodiversity conservation through technological and social approaches from 23-25 May 2014 in Bangkok, Thailand
- **Dubai** - 1st International Conference on Science, Engineering and Technology (ICSET - 2015) during November 21, 22 & 23, 2015 at Birla Institute of Technology, Offshore Campus - Ras al Khaimah, U.A.E. Dubai.
- **Bali, Indonesia:** To study the socio-economic and socio-environmental conditions in Bali. Visit to elephant reserves and tortoise conservation project.
- **Hang Zhou, China:** As member of 2nd BRICS Young Scientist Forum from 11 – 15 July 2017 in China.
- **Colombo, Sri Lanka**, 4th International Conference on Social Science and Humanity from 18th to 19th May 2018 at Galle Face Hotel, Colombo, Sri Lanka organized by Global Academic Research Institute, Sri Lanka
- **Rome, Italy**, Visited Water and Agriculture Division at FAO Headquarters in Rome on 12th November 2018 at Food and Agriculture Programme, Rome, Italy
- **Salerno, Italy WaterEnergyNexus – 2018:** 2nd International Conference on **Advanced Technologies and Best Practices “Taste the future”** from 14th to 17th November 2018 in University of Salerno, Salerno Italy Organized by University of Salerno, Italy and International Water Association
- **London, United Kingdom, Invited talk in** Environmental Chemistry of Water, Sediment, Soil and Air: Early careers meeting’ on 21st November 2018 at Burlington House, London, United Kingdom organized by **Royal Society of Chemistry, London**

Research Publications

1. Unnati Vishnoi, Kumar S. Chandra and **Gagan Matta** (2007): “Abiotic status of Song River and its relations to zoo and phytoplankton at Nepali farm (Dehradun)” Environment Conservation Journal, 8 (1-2) 69 – 72. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
2. D.R. Khanna, Vikas Singh, R. Bhutiani, Kumar Satish Chandra, **Gagan Matta** and Dheeraj Kumar (2007): “A study of biotic and abiotic factors of Song River at Dehradun, Uttarakhand”. Environment Conservation Journal, 8(3): 117-126. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
3. Vivek Kesre, L.K. Mudgal, D.R. Khanna, **Gagan Matta** and Dheeraj Kumar (2007): “Study of physico-chemical parameters for a reservoir at Khandwa District (M.P.)” Environment Conservation Journal, 8 (3)-127 – 132. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
4. Vivek Keshre, L.K. Mudgal, D. R. Khanna, **Gagan Matta**, Dheeraj Kumar and Vikas Singh (2008): “A study of plankton population in the Moghat reservoir at Khandwa District (M.P.)” Environment Conservation Journal, 9(1&2): 73-79. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
5. D.R. Khanna, J. Ashraf, Beena Chauhan, R. Bhutiani, **Gagan Matta** and V. Singh (2009): “Water quality analysis of River Panv Dhoi in reference to its physico-chemical parameters and heavy metals.” Environment Conservation Journal, 10 (1&2): 159-169. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
6. D.R. Khanna, R. Bhutiani, **Gagan Matta**, Dheeraj Kumar, Vikas Singh and J. Ashraf (2009): “A study of zooplankton diversity with special reference to their concentration in River Ganga at Haridwar.” Environment Conservation Journal, 10 (3): 15-20, 2009. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
7. Avnish Chauhan, Namita Tewari and **Gagan Matta** (2009): “Water Quality of natural springs in Garhwal Himalayas” Environment Conservation Journal, 10 (1 & 2) 153 – 156. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
8. D. R., Khanna; R. Bhutiani and **Gagan Matta** (2009): “Environmental Management System” Journal of Comparative Toxicology & Physiology, 6 (I) 10 – 17. (ISSN: 0972-8651)
9. D.R. Khanna; RajniRana; J. Ashraf; R. Bhutiani and **Gagan Matta** (2009): “Analysis of water quality of Paniyala state fish pond with special reference to physico-chemical characteristics” Journal of Comparative Toxicology & Physiology, 6 (I) 18 – 29. (ISSN: 0972-8651).
10. D.R. Khanna and **Gagan Matta** (2009): “Environmental-informatics---A solution for long term environmental research” Global Journal of Enterprise Information System: 1 (2): 32-37. (ISSN: 0975 - 153X)
11. D.R. Khanna, Rana, R., Agarwal, S. K. and **Matta, G.** (2009): “Water quality analysis of Paniyala State Fish Pond” Journal of Mountain Research: 4: 164-177. (ISSN: 0974-3030)

12. Vikas Singh, Gaurav Bhadauriya and **Gagan Matta** (2010): "Water quality assessment of Vikram Vatika Sarovar, Ujjain degraded due to idol immersion". ESSENCE – International Journal of Environmental Rehabilitation and Conservation, I (1): 83–90. (ISSN: 0975 - 6272)
13. D.R. Khanna, R. Bhutiani, **Gagan Matta**, Dheeraj Kumar, Vikas Singh and Neeraj (2010): "Ecology of the River Ganga at foothills of Garhwal Himalaya (Uttarakhand)." J. Exp. Zool. India, Vol. 13, No. 1, pp. 115-119. (ISSN: 0972 – 0030)
14. D.R. Khanna, R. Bhutiani, **G. Matta**, V. Singh, P. Tyagi, B. Tyagi and F. Ishaq (2010): "Water Quality characteristics of River Tons at District- Dehradun, Uttarakhand (India)." Environment Conservation Journal, 11 (1&2): 119-123. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
15. D.R. Khanna, R. Bhutiani, **Gagan Matta**, Dheeraj Kumar and Vikas Singh (2010): "Phytoplanktonic status of River Ganga near Haridwar city." J. Exp. Zool. India, Vol. 13, No. 1, pp. 133-136. (ISSN: 0972 – 0030)
16. **Gagan Matta**, Gaurav Bhadauriya and Vikas Singh (2011): "Biodiversity and Sustainable Development: A Review". ESSENCE – International Journal for Environmental Rehabilitation and Conservation Vol. II (1): 72 – 80. (ISSN: 0975 – 6272)
17. Namita Tewari, **Gagan Matta** and Avnish Chauhan (2010): "Comparative evaluation of various chelators for removal of pollutants and heavy metals from distillery effluents" ESSENCE – International Journal for Environmental Rehabilitation & Conservation, I (1): 28-34. (ISSN: 0975 – 6272)
18. D. R. Khanna, F. Ishaq, **G. Matta**, A. Khan and K.C. Semwal (2010): Comparison between organic and inorganic soil microbial diversity of different agronomic fields ESSENCE –International Journal for Environmental Rehabilitation & Conservation, I (2): 43-51. (ISSN: 0975 – 6272)
19. **Gagan Matta** (2010): "Freshwater: Resources and Pollution" Environment Conservation Journal, 11 (3): 161-169. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
20. Cherian, K. J. and **Matta, G. (2010):** "Soil Algae at Different Depth in The Crop Field of Nagpur District, Maharashtra State" ESSENCE – International Journal for Environmental Rehabilitation & Conservation, I (2): 81-87. (ISSN: 0975 – 6272)
21. Prachi, Kumar Nishant and **Matta Gagan (2011):** "Artificial neural network applications in air quality monitoring and management" ESSENCE – International Journal for Environmental Rehabilitation and Conservation Vol. II (1): 30–64. (ISSN: 0975 - 6272)
22. D.R. Khanna, R. Bhuiani, **Gagan Matta**, Vikas Singh and Gaurav Bhadauriya (2011): "Physico-chemical property of River Ganga at foot hills of Garhwal Himalayas." Environment Conservation Journal, 12 (3) 163-168. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
23. Vikas Singh, Gaurav Bhadauriya and **Gagan Matta (2011):** "Assessment of Ambient Noise level in the Bareilly city of U.P.". ESSENCE – International Journal for Environmental Rehabilitation and Conservation Vol. II (2): 8–15. (ISSN: 0975 - 6272)

24. D.R. Khanna, **Gagan Matta**, Dheeraj Kumar and Vikas Singh (2011): "Influence of physical factors of water on the plankton population in Ganga at Haridwar." *Flora and Fauna*, Vol. 17 (2) 290–294. (ISSN: 0971 – 6920) (NAAS rating 5.08)
25. Sweta Gaur, **Gagan Matta** and V. Singh (2011): "Importance and role of green productivity in industries: A Review." *Environment Conservation Journal*, 12 (1 & 2) 129-133. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
26. Gaurav Bhadauriya, **Gagan Matta** and Vikas Singh (2011): "Evaluation of present water quality status of Sapta Sarovars at Ujjain". *ESSENCE – International Journal for Environmental Rehabilitation and Conservation* Vol. II (Issue-2): 16 – 22. (ISSN: 0975 – 6272)
27. D.R. Khanna, Shivom Singh, Neetu Saxena, R. Bhutiani, **Gagan Matta** and Dipali Bhasker Kulkarni (2011). Physico-chemical and microbiological characterization of the ground water across the city Bareilly (U.P.) India. *Journal of Applied and natural Science*. Vol. 3 No. 2:315-318. (ISSN: 0974-9411 | EISSN: 2231-5209) (NAAS rating 5.08)
28. D.R. Khanna, R. Bhutiani, **Gagan Matta**, Vikas Singh and Fouzia Ishaq (2012): "Seasonal variation in physico-chemical characteristic status of River Yamuna in Doon Valley of Uttarakhand." *Environment Conservation Journal*, 13 Vol. (1&2) 119-124. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
29. D.R. Khanna, R. Bhutiani, **Gagan Matta**, Vikas Singh and Gaurav Bhadauriya (2012): Study of planktonic diversity of river Ganga from Devprayag to Roorkee, Uttarakhand (India). *Environment Conservation Journal*. Vol 13 (1&2): 211-217. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
30. D.R. Khanna, R. Bhutiani, **Gagan Matta**, Vikas Singh and Fouzia Ishaq (2012): "Physico-chemical and microbial status of River Asan in Dehradun Uttarakhand." *Environment Conservation Journal*, 13 Vol. (1&2). 145-150. (ISSN: 0972-3099) (NAAS rating 3.71) (ICV: 4.49 (2013))
31. Arora, T., Mishra, A., **Matta, G.**, Chopra, A. K., Kumar, A., Khanna, D. R., & Kumar, V. (2014). Human health risk assessment of temporal and spatial variations of ground water quality at a densely industrialized commercial complex at Haridwar, India. *Journal of Applied and Natural Science*, 6(2), 825-843. (ISSN: 0974-9411 | EISSN: 2231-5209) (NAAS rating 5.08)
32. **Matta, Gagan** (2014): "A study on physico-chemical Characteristics to assess the pollution status of river Ganga in Uttarakhand. " *Journal of Chemical and Pharmaceutical Sciences*. 7(3): 210-217. (ISSN: 0974-2115) (SJ: 114)
33. **Matta, Gagan** (2014): "WATER QUALITY ASSESSMENT OF GANGA CANAL SYSTEM." *Journal of Advanced Scientific Research* 5.4. (ISSN: 0976-9595) (ICV: 5.09)
34. **Gagan Matta**, Ravindra Kumar, Avinash Kumar and Ajendra Kumar (2014): Effect of industrial effluent on ground water quality with special reference to DO, BOD and COD. *Journal of Sustainable Environmental Research*, 3 (2): 183-186. (ISSN: 2278-196X)

- 35. G. Matta** and A. Kumar (2015): Monitoring and Evaluation of River Ganga System in Himalayan Region with Reference to Limnological Aspects - World Applied Sciences Journal, 33 (2): 203-212. (ISSN: 1818-4952 | EISSN: 1991-6426) (IM Factor 0.23)
- 36. Gagan Matta** (2015): Effect of water quality on phytoplankton ecology of Upper Ganga Canal, International Journal of Scientific & Engineering Research, Volume 6, Issue 2, 762-768. (ISSN 2229-5518) (IM Factor 3.02) (ICV: 5.27)
- 37. Gagan Matta**, Ajendra Kumar, Sachin Srivastava, Vikas Singhand Gulshan K. Dhingra (2015): Impact assessment on water quality of Ganga Canal System in Himalayan Region. International Journal of Scientific & Engineering Research, Volume 6, Issue 5, pp 1524 – 1531. (ISSN: 2229-5518) (IM Factor 3.02) (ICV: 5.27)
- 38. Gagan Matta** (2015) Evaluation and prediction of deviation in physic-chemical characteristics of River Ganga. International Journal of Advancements in Research and Technology 4(6): 14 -30.
- 39. Gagan Matta**, Ravindra Kumar, Avinash Kumar and Laura GJYLI (2015): Heavy Metal analysis of industrial effluent allied with groundwater. ESSENCE – International Journal for Environmental Rehabilitation and Conservation Vol. VI (1): 33 – 40. (ISSN: 0975 – 6272)
- 40. Gagan Matta**, R. R. Pandey and K. K. Saini (2015): Assessment of pollution on water quality and phytoplankton diversity in canal system of River Ganga. World Journal of Pharmaceutical Research. Vol. 4(11): 889-908. (ISSN 2277 - 7105) (SJIF Impact Factor: 5.990)
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