CURRICULUM VITAE

Ashish Kumar Arya
Research Scholar
Department of Environmental Science
Graphic Era (Deemed to be University),
Dehradun-248002, Uttarakhand, India

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Career Objective

To work effectively and efficiently in an organization where my skills shall complement with the growth of the organizations and I can further enhance my knowledge from my experience.

Personal Details

Full Name	:	Ashish Kumar Arya
Father's Name	:	Sh. Adesh Kumar
Mother's Name	:	Mrs. Uma Devi
Date of Birth	:	13/09/1997
Full Address	:	Village- Ghissukhera, Post- Charthawal, Dist.- Muzaffarnagar, Uttar Pradesh, PIN- 251311, India
Email Address(s)	:	ashishtyagi.gkv@gmail.com, Ashishkumararya_20941076.evs@geu.ac.in
Phone/Mobile No.	:	+91-8755322345

Educational Qualifications

Ph.D.	:	Pursing from Graphic Era (Deemed to be University), Dehradun, India
Post-Graduation	:	Passed M.Sc. in Environmental Science with 7.79 CGPA from Gurukula Kangri Era (Deemed to be University), Haridwar in 2018.
Graduation	:	Passed B.Sc. with CBZ with 63.70% from Gurukula Kangri (Deemed to be University), Haridwar in 2016.
Intermediate	:	Passed in PCB with 77.40% from UP Board, Allahabad in 2013.
High School	:	Passed with 57.00% from UP Board, Allahabad in 2011.

Dissertation/Thesis

- M.Sc. awarded on behalf of dissertation entitled "**Status and diversity of water birds in selected wetlands of Uttarakhand**" under supervision of **Prof. Dinesh Bhatt**, Head of the Department of Zoology and Environmental Science, Gurukula Kangri Vishwavidyalaya.

Other Educations

1. Diploma in Basics of Remote Sensing, Geographical Information System and Global Navigation Satellite System, conducted by Gurukula Kangri Vishwavidyalaya and Indian Institute of Remote Sensing, Dehradun from 21 August, 2017 to 04 December, 2017.
2. Certificate course on Bird identification and Basics ornithology conducted by ENVIS Centre of Himalayan Ecology, G.B. Pant National institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, Almora held in January 11-27,2020
3. Faculty Development Programme on Research methodology and ICT Tools organized by Dr. Janak Singh Socio cultural Educational Society, Bareilly in June 14-20, 2020.

Skills/Abilities

- Research Interest Area
    - Avian Fauna Diversity
    - Bioacoustics
    - Animal Behavior
- Instrument Knowledge
    - Binocular
    - Professional Camera Handling
    - Field Observations
- Strengths
    - Highly critical thinker with effective research skills
    - Interpersonal skills
    - Rapid adaptability
    - Excellent communication skills (English and Hindi)
    - Professional computer literacy proven through work experience in Microsoft Office (Word, PowerPoint, Publisher, Excel etc.)
    - Internet and Social Media Coordination etc.

Other Social/Environmental Activities

1. Actively participated in Nature Walk in Rajaji National Park organized by Department of Zoology and Environmental Science, Gurukula Kangri (Deemed to be University), Haridwar 31 March 2022
2. Actively participated in World Sparrow Day Celebration organized by Department of Zoology and Environmental Science, Gurukula Kangri (Deemed to be University), Haridwar 20 March 2022
3. Actively participated in National Science Day organized by Department of Zoology and Environmental Science, Gurukula Kangri (Deemed to be University), Haridwar 31 March 2022
4. Actively participated in Wetland Day Celebration.organized by Department of Zoology and Environmental Science, Gurukula Kangri (Deemed to be University), Haridwar, 2 Feb 2022
5. I secured the **1st** position in Wildlife Video Making Competition on the occasion of Wildlife Week Celebration 2021 organized by Dept. of Zoology & Environmental Science, Gurukula Kangri (Deemed to be University), Haridwar during 4-8 October 2021
6. Actively participated in the Essay Competition on World Environment Day-2021 under "Ecosystem Restoration" theme-2021 organized by ENVIS, GBPNIHE,Almora.
7. Acquiring **A Grade** in the Online Quiz Competition titled 'Bird Identification', conducted by the ENVIS Resource Partner on Avian Ecology at Bombay Natural History Society (BNHS-ENVIS), on the occasion of World Environment Day celebrated on June 05, 2021.
8. I secured the **1st** position in Himalayan Ornithology Photography Competition orgenised on the occasion of International day for Biological diversity by ENVIS Centre of Himalayan Ecology, G.B. Pant National institute of Himalayan Environment & Sustainable Development, Kosi-Katarmal, Almora held in May 22,2020
9. Actively participated in an event organized by National Geographic System held in regional Science center, Tirupati during Dec 7, 2019.
10. Actively participated in the "Clean Ganga and Public Awareness Mission" organized by "Agriculture and Environmental Science Academy" **Haridwar**, (Uttarakhand) on 12th

November, 2017.

11. Actively worked in Awareness Drive on Sparrow Conservation and Human Wildlife Conflict organized by Department of Zoology and Environmental Science, Gurukula Kangri Vishwavidyalaya, from 17 – 20 March, 2011.

International Conferences

1. Presented a paper entitled "The status of wetlands in special perspective of State of Uttarakhand: An Overview" in International Conference on Mountain Ecosystems: Biodiversity and Adaptations Under Climate Change Scenario held in Graphic Era (Deemed to be University), Dehradun during March, 22-24, 2023.
2. Presented a paper entitled "An Assemblage of Waterbird species in Haiderpur Wetland of Uttar Pradesh, India" in **28th International Ornithological Congress (IOC 2022)** held virtually during August 15-19, 2022.
3. Actively Participated in **2nd Indian Analytical Congress-2022** organized by Department of Allied Sciences, GEU, Dehradun in collaboration with IIP, Dehradun and Indian Society for Analytical Scientists (ISAS) Delhi Chapter during May, 26-28, 2022
4. Presented a paper entitled "A study on avifaunal diversity in aquatic habitat and their adjoining areas of Ramnagar, Uttarakhand (Western Himalayas), India" **13th Conference of the European Ornithologists' Union**, organized by the University of Giessen, Germany, held on March 15, 2022.
5. Actively Participated in International Webinar on **Ecosystem conservation-Strategies for sustainable future** organized by Saksham Society, Jaipur, India during June 6-8,2020
6. Actively participated in **CMS-COP 13** organized by Ministry of Environment, Forest and Climate Change, Govt. of India, in Gandhinagar, Gujarat, India during Feb 15-22, 2020
7. Presented a paper entitled "A comparative study on status and diversity of wetland birds between Natural and Man-made wetlands of Uttarakhand, India" in **International Conference on Wetland and Migratory Waterbirds of the Asian Flyways** organized by Bombay Natural History Society (BNHS) held in Lonavala, Maharashtra, India during November 18-22, 2019.
8. Presented a paper entitled "Status and diversity of water birds in selected wetlands of Uttarakhand (Western Himalayas), India" in **27th International Ornithological**

Congress (IOC 2018) held in Vancouver, **Canada** during August 19-26, 2018.

9. Actively participated in **XXVI International Bioacoustics Congress** as volunteer, organized by Department of Zoology and Environmental Science, Gurukula Kangri Vishwavidyalaya, Haridwar, India and International Bioacoustics Council, London in Haridwar from 8-13 October, 2017.

National Seminar/Workshops/Conferences

1. Present a paper entitled "Conservation of biodiversity with involvements of the local peoples" in National conference on Knowledge, Culture, Traditions and Practices of India held in Gurukula Kangri (Deemed to be University), Haridwar during March 29-31 2023
2. Actively participated in National Seminar on Environmental Wellness held in MMH College, Ghaziabad during January 28-29, 2023
3. Presented a paper entitled "First Record of Breeding Behaviour of Red-Whiskered Bulbul (*Pycnonotus jocosus*) in the Himalayan Foothills of India (Western Himalayas)" in National Symposium on Avian Biology held at Department of Life Science Central University of South Bihar, Gaya, India during November, 9-11, 2022.
4. Presented a paper entitled "Water birds at wetlands (Bheemgoda Barrage and Missarpur Ganga Ghat) of Haridwar district in Uttarakhand, India" in National Symposium on Avian Biology held at Department of Zoology and Environmental Science, Gurukula Kangri (Deemed to be University) Haridwar, Uttarakhand, India during March 30-31, 2021.
5. Actively participated in online workshop on "Biodiversity and Ecosystem Health Assessment of Upper Ganga Basin" under National Mission of Sustainable Himalayan Ecosystem (NMSHE) Project, organized by Department of Zoology and Environmental Science, Gurukula Kangri (Deemed to be University), Haridwar and National Institute of Hydrology, Roorkee during February 22-26, 2021.
6. A workshop on "Bird migration and study techniques conducted during July 9-11, 2020 by BNHS.
7. Presented a paper entitled "A checklist of Birds of Haridwr" in National Symposium on Avian Biology held at IISER Tirupati, Tirupati, Andhra Pradesh, India during December

07-10, 2019.

8. A workshop on role on Educational Institutions in Wildlife Conservation and Human Wildlife Conflict Mitigation organized by Uttarakhand Forest department and Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) in **Haridwar** held on Sep7, 2019.
9. Presented a paper entitled "Status and Diversity of Water Birds in different wetlands of Haridwar, Uttarakhand" in National seminar on Environmental Changes and its impact on Faunal Diversity in Indian agro ecosystem held at Punjab Agriculture University, **Ludhiana** , India during November 19-20, 2018
10. Presented a paper entitled "Nesting ecology and singing behavior of Purple sunbird (Cinnyris asiaticus) in the urbanized habitat of Haridwar, Uttarakhand" in National Symposium on Avian Biology held at Mizoram University, Aizawal, **Mizoram**, India during October 22-24, 2018.
11. A seminar on "Research in Environment and Biosciences- Current Scenario and Future Perspective" organized by Dept. of Zoology, D.A.V. College, **Dehradun** and Indian Academy of Environmental Science (IAES) on 22-23 June, 2018.
12. National Seminar on Environmental Ethics in Man-Nature Relationship organized by Department of History, D.A.V. P.G. College, **Dehradun**, held on 18-19 November, 2016.
13. A workshop on Isolation and Characterization of Fungi organized by Department of Botany and Microbiology, Gurukula Kangri Vishwavidyalaya, **Haridwar**, held on 8 November, 2014.

Research Publications

1. **Arya, A. K.**, Bhatt, D., Singh, A., Saini, V., Verma, P., Rathi, R., & Bhatnagar, P. (2019). Diversity and status of migratory and resident wetland birds in Haridwar, Uttarakhand, India. *Journal of Applied and Natural Science*, 11(3), 732-737.
2. Bhatnagar, P., Singh, A., Bhatt, D., & **Arya, A. K.** (2020). Observations on the Habitat Preference of Himalayan Woodpecker Dendrocopos himalayensis In Kedarnath Wildlife Sanctuary, Chamoli District, Uttarakhand, India. Journal of the Bombay Natural History Society (JBNHS), 117, 1-3. (SCOPUS)
3. Bhatnagar, P., Bhatt, D., Rindani, J., Arya, A.K., & Rawat, R. (2020). A checklist of birds of Haridwar, Uttarakhand. Bird-o-soar #61, In: ***Zoo's Print*** 35(11): 31–41.

4. **Arya, A. K.,** Joshi, K. K., & Bachheti, A. (2020). A review on distribution and importance of wetlands in the perspective of India. Journal of Applied and Natural Science, 12(4), 710-720. (SCOPUS)
5. **Arya**, **A.K.,** Joshi, K. K., Bachheti, A., Raturi, V., Dubey, V.P., Bhatnagar, P., and Rawat, R. (2020). Avian survey at Haiderpur Wetland in Hastinapur Wildlife sanctuary Uttar Pradesh, India" ***Journal of Environment and Biosciences*** 34(2), 107-114
6. **Arya, A. K.,** Joshi, K. K., Singh, A., Bhatnagar, P., and Sharma, P.K. (2020). Note on Feeding and Breeding habits of Purple sunbird (*Cinnyris asiaticus*) in urban habitat of Haridwar, Uttarakhand. ***Bulletin of Environment, Pharmacology and Life Sciences.*** 10(1), 7-11
7. **Arya, A. K.,** Bachheti, A., & Joshi, K. K. (2021). First sighting of Asian Openbill Stork in Haridwar, India. Bird-o-soar# 72. Zoo's Print, 36(2), 41-42.
8. Joshi, K. K., Bhatt, D., & **Arya, A. K.** (2021). Avian diversity in forest, agriculture and water stream habitats of Dehradun Valley, Uttarakhand, India. Biodiversity data journal, 9. (Impact Factor: 1.5/SCOPUS)
9. **Ashish Kumar Arya,** Kamal Kant Joshi, Archana Bachheti, & Rekha Rawat (2021). Status and Impact of Invasive and Alien Species on Environment, And Human Welfare: An Overview. ***Uttar Pradesh Journal of Zoology***, 42(8), 49-58. (UGC-CARE)
10. **Arya, A. K.,** Durgapal, M., Singh, V., & Bisht, M. (2021). Archives of Agriculture and Environmental Science. Archives of Agriculture and Environmental Science, 6(2), 249-256.
11. Joshi, K., Kumar, D., Arya, A. K., & Bachheti, A. (2021). An Assessment of Water bird species and associated water bird composition in the Haiderpur Wetland of Hastinapur Wildlife sanctuary Uttar Pradesh, India. *Asian Journal of Conservation Biology*, 10(1), 141-145. https://doi.org/10.53562/ajcb.DCKB1009 (SCOPUS)
12. Rawat, R., Bhatt, D., & **Arya, A. K.** (2021). The Survey of Avifauna in the natural habitat and their adjoining areas of Harbhajwala, Dehradun, India. Asian Journal of Conservation Biology, 10(1), 162-167. (SCOPUS)
13. Joshi, K., Kumar, D., & **Arya, A. K.** (2021). Avian Species Distribution in Forest and Rural Habitat of Chamoli District of Uttarakhand, India. Environment and Ecology, 39(3), 599-604.

14. Kumar, P.; Kumar, V.; Adelodun, B.; Bedeković, D.; Kos, I.; Širić, I.; Alamri, S.A.M.; Alrumman, S.A.; Eid, E.M.; Abou Fayssal, S.; Goala, M.; **Arya, A.K.;** Bachheti, A.; Choi, K.S.; Ajibade, F.O.; Silva, L.F.O. Sustainable Use of Sewage Sludge as a Casing Material for Button Mushroom (*Agaricus bisporus*) Cultivation: Experimental and Prediction Modeling Studies for Uptake of Metal Elements. *J. Fungi* **2022**, *8*, 112. https://doi.org/10.3390/jof8020112 (Impact Factor: 5.724/SCOPUS)
15. Kumar, P.; Kumar, V.; Eid, E.M.; AL-Huqail, A.A.; Adelodun, B.; Abou Fayssal, S.; Goala, M.; **Arya, A.K.**; Bachheti, A.; Andabaka, Ž.; Choi, K.S.; Širić, I. Spatial Assessment of Potentially Toxic Elements (PTE) Concentration in Agaricus bisporus Mushroom Collected from Local Vegetable Markets of Uttarakhand State, India. J. Fungi 2022, 8, 452. https://doi.org/10.3390/jof8050452 (Impact Factor: 5.724/SCOPUS)
16. Kumar, V.; Eid, E.M.; Al-Bakre, D.A.; Abdallah, S.M.; Širić, I.; Andabaka, Ž.; Kumar, P.; Goala, M.; Adelodun, B.; Singh, J.; Kumari, S.; Bachheti, A.; **Arya, A.K.**; Choi, K.-S. Combined Use of Sewage Sludge and Plant Growth-Promoting Rhizobia Improves Germination, Biochemical Response and Yield of Ridge Gourd (Luffa acutangula (L.) Roxb.) under Field Conditions. *Agriculture* 2022, 12, 173. https://doi.org/10.3390/agriculture12020173 (Impact Factor: 3.48/SCOPUS)
17. Kumar, P.; Eid, E.M.; Taher, M.A.; El-Morsy, M.H.E.; Osman, H.E.M.; Al-Bakre, D.A.; Adelodun, B.; Abou Fayssal, S.; Andabaka, Ž.; Goala, M.; Singh, J.; Kumari, S.; **Arya, A.K.**; Choi, K.S.; Kumar, V.; Širić, I. Sustainable Upcycling of Mushroom Farm Wastewater through Cultivation of Two Water Ferns (Azolla spp.) in Stagnant and Flowing Tank Reactors. *Horticulture.* 2022, 8, 506. https://doi.org/10.3390/horticulturae8060506 (Impact Factor: 2.923/SCOPUS)
18. Adelodun, B., Kumar, P., Odey, G., Ajibade, F.O., Ibrahim, R.G., Alamri, S.A., Alrumman, S.A., Eid, E.M., Kumar, V., Adeyemi, K.A. and Arya, A.K., 2022. A safe haven of SARS-CoV-2 in the environment: prevalence and potential transmission risks in the effluent, sludge, and biosolids. *Geoscience Frontiers*, p.101373. (Impact Factor: 7.83/SCOPUS)
19. Širić, I., Eid, E.M., El-Morsy, M.H., Osman, H.E., Adelodun, B., Abou Fayssal, S., Mioč, B., Goala, M., Singh, J., Bachheti, A. and **Arya, A.K.,** 2022. Health Risk Assessment of Hazardous Heavy Metals in Two Varieties of Mango Fruit (Mangifera indica L. var.

Dasheri and Langra). *Horticulturae*, *8*(9), p.832. (Impact Factor: 2.923/SCOPUS)

20. AL-Huqail, A.A., Kumar, P., Eid, E.M., Adelodun, B., Abou Fayssal, S., Singh, J., **Arya, A.K.,** Goala, M., Kumar, V. and Širić, I., 2022. Risk Assessment of Heavy Metals Contamination in Soil and Two Rice (Oryza sativa L.) Varieties Irrigated with Paper Mill Effluent. *Agriculture*, *12*(11), p.1864. (Impact Factor: 3.48/SCOPUS)
21. **Arya, A.K.,** Durgapal, M., Bachheti, A., Joshi, K.K., Gonfa, Y.H., Bachheti, R.K. and Husen, A., 2022. Ethnomedicinal Use, Phytochemistry, and Other Potential Application of Aquatic and Semiaquatic Medicinal Plants. *Evidence-Based Complementary and Alternative Medicine*, 2022. (Impact Factor: 2.650/SCOPUS)
22. Joshi, K. K., Bhatt, D. C., **Arya, A. K.,** & Saini, V. (2022). Population status of house sparrow (Passer domesticus L.) and its association with native bird species in and around Dehradun City of Uttarakhand, India. *Proceedings of the Indian National Science Academy*, *88*(4), 664-669. https://doi.org/10.1007/s43538-022-00129-7 (SCOPUS)
23. Kukreti, M., & **Arya, A.K.,** (2022). A survey of waterbirds of Khoh and Kohlu rivers of Lansdowne forest division (western Himalayas), Uttarakhand, India. Asian Journal of Conservation Biology, 11(2), 266–273 https://doi.org/10.53562/ajcb.76053 (SCOPUS)
24. Bhatnagar, P., Bhatt, D., & Arya, A. K. (2022). Species Distribution Modelling for Himalayan Woodpecker (Dendrocopos himalayensis) in Chamoli District (Western Himalayas), Uttarakhand, India. Biology Bulletin, 49(Suppl 3), S104-S111. (Impact Factor: 0.49/SCOPUS)
25. Arya, A. K., Joshi, K. K., Kumar, D., & Bachheti, A. (2023). A study on the breeding habits of Red-wattled Lapwing Vanellus indicus Boddaert, 1783 (Aves: Charadriformes: Charadridae) in the agricultural landscape of Muzaffarnagar District, Uttar Pradesh, India. Journal of Threatened Taxa, 15(4), 23119-23122. (SCOPUS)

Chapters in Books

1. **Arya, A.K.**, Singh, A., and Bhatt, D., (2019) Pesticide applications in agriculture and their effects on birds: An overview In: ***Contaminants in Agriculture and Environment: Health Risks and Remediation***, Volume 1, Agro Environ Media, Haridwar, India, PP. 129-137.
2. **Arya, A.K.,** Joshi, K.K., Bacheti, A. and Kumar, D. (2021). Waterbird survey at

Bheemgoda Barrage and Missarpur Ganga Ghat wetlands of Haridwar district in Uttarakhand, India. ***In: Biological Diversity: Current Status and Conservation Policies***, Volume 1, Eds. Kumar., V., Kumar, S., Kamboj, N., Payum, T., Kumar, P. and Kumari, S. pp. 193-201, https://doi.org/10.26832/aesa2021-bdcp-012

3. Gupta, S., Kumar, N., Verma, D., Bachheti, A., **Arya, A.K.,** Joshi, K.K. and Bachheti, R.K. (2021). Impacts of invasive alien plant species on biodiversity in the regions of Western Himalayas, India: An overview. ***In: Biological Diversity: Current Status and Conservation Policies***, Volume 1, Eds. Kumar., V., Kumar, S., Kamboj, N., Payum, T., Kumar, P. and Kumari, S. pp. 123-135, https://doi.org/10.26832/aesa2021-bdcp-08
4. **Arya, A.K.,**, Bhatt, D., and Joshi, K.K., (2021). Water Bird Species Distribution in Wetland of Muzaffarnagar District of Uttar Pradesh, India. ***In: Current Trends in Agriculture***, Discovery Publishing House Pvt. Ltd., New Delhi (India) PP-60-68

Books

1. Sethi, V.K., Kumar, P. and **Arya, A.K.** (2021). Proceedings of 3rd National Symposium on Avian Biology, pp. 199. Published by GKV, Haridwar and Association of Avian Biologist in India (As an Editor)

Reviewer Member

1. Biology Bulletin (Springer)
2. Environmental Sustainability (Springer)
3. Journal of Tropical Life Science (Indonesian Publishing)
4. National Academy Science Letters (Springer)
5. Asian Journal of Conservation Biology (TCRP)
6. Archives of Agriculture and Environmental Science (A

Editor in Journals

1. BMC Zoology (Springer Nature)
2. Agro Environmental Sustainability (Assistant Editor)

Member of International Scientific Societies

1. Member of International Ornithologist Union, USA.
2. Member of European Ornithologists' Union: EOU
3. Member of Society for Indonesian Biodiversity.

Member of National Scientific Societies

1. Life Member of Association of Avian Biologist of India (AABI).
2. Member of Bombay Natural History Society (BNHS).

ACADEMIC HONORS

1. Delivered an Invited Talk on Water Birds and their flyways in the Department of Biotechnology, Graphic Era (Deemed to be University), Dehradun, India
2. Worked as a Technical Coordinator of Wildlife Week Celebration 2021 during 04-08 October, 2021 organized by Dept. of Zoology and Environmental Science, Gurukula Kangri (Deemed to be University), Haridwar (2021)
3. Worked as a Member of Editorial Team and Technical Team of 3rd National Symposium on Avian Biology during 30-31 March, 2021 organized by Dept. of Zoology and Environmental Science, Gurukula Kangri University, Haridwar & Association of Avian Biologist in India (AABI) (2021).
4. Received the Young Scientist Award in the International Scientist Awards on Engineering, Science and Medicine by the VDGOOD Professional Association of Scientists, Engineers and Doctors (March 2021)

Self-Declaration

I, Ashish Kumar Arya, hereby declare that all statements made in this resume are true, complete and correct to the best of my knowledge and belief and in the event of any information being found false or incorrect or any ineligibility being detected before or after, my candidature is liable to be cancelled and legal action may be initiated against me.

Ashish Kumar Arya