Resume

Dr. Arun Kumar Roy Mahato
Assistant Professor & Head
Department of Zoology
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Professional/Working Experience

Position	Organization	Period
Assistant Professor	K. B. College, Bermo, Jharkhand	28 March 2022 to till date
Senior Scientist & Head	Terrestrial Ecology Division of Gujarat Institute of Desert Ecology (GUIDE), Bhuj	July 2016 to March 2022
Scientist & In-charge Head	Terrestrial Ecology Division of Gujarat Institute of Desert Ecology (GUIDE), Bhuj	January 2011 to June 2016
ENVIS Assistant	ENVIS Centre, ZSI, Kolkata	Nov. 2008 to Jan. 2011
Senior Research Fellow	Zoological Survey of India (ZSI), Kolkata	Oct. 2005 to Oct 2008
Junior Research Fellow	Zoological Survey of India (ZSI), Kolkata	Oct. 2003 to Oct. 2005

Duties and Responsibilities

- **Bursar,** K. B. College, Bermo, Bokaro, Jharkhand from 13 February 2024 onward
- **Coordinator**, Internal Quality Assurance Cell (IQAC), K. B. College, Bermo, Jharkhand
- **Coordinator**, National Assessment and Accreditation Council (NAAC) Committee, K. B. College, Bermo, Bokaro, Jharkhand
- **Nodal Officer,** AISHE Cell**,** K. B. College, Bermo, Bokaro, Jharkhand
- **Coordinator**, Unnat Bharat Abhiyan, K. B. College, Bermo, Bokaro, Jharkhand
- **Coordinator**, Placement and Counseling cell, K. B. College, Bermo, Bokaro, Jharkhand
- **Coordinator**, Research and Publication Cell, K. B. College, Bermo, Jharkhand
- **Member**, Purchase Committee, K. B. College, Bermo, Bokaro, Jharkhand
- **Member**, Internal Complaint Committee, K. B. College, Bermo, Bokaro, Jharkhand
- **Member**, Student Support & Welfare Committee, K. B. College, Bermo, Jharkhand
- **Member**, Right to Information (RTI) Cell, K. B. College, Bermo, Bokaro, Jharkhand
- **Member**, Prevention of Sexual Harassment Committee, K. B. College, Bermo, Bokaro
- **Member,** Sports Committee, K. B. College, Bermo, Bokaro, Jharkhand
- **Selector,** BBMKU Inter College Football and Cricket Tournament 2025-26

- **Head**, Terrestrial Ecology Division, Gujarat Institute of Desert Ecology, Bhuj (2012-2022)
- **Warden**, Research Scholar Hostel, Gujarat Institute of Desert Ecology, Bhuj (2015-2022)
- **Member**, Annual Assessment and Evaluation Committee for Research Scholar, Gujarat Institute of Desert Ecology, Bhuj (2016-2022)
- **Member**, Purchase Committee, Gujarat Institute of Desert Ecology, Bhuj (2016-2022)

Fellowship/Award/Prize

- **National Ecological Conservation Award 2023** on the occasion of International Conference on Environment, Aquaculture and Sustainable Agriculture held at St. Xavier's College, Ranchi on 22nd September 2023.
- **Ecologist of the Year 2017** from the Science and Environment Research Institute (SERI), Kolkata on the occasion of the World Clean Environment Congress, held on 5th-6th June 2017 at International Habitat Centre, New Delhi.
- **Science Investigator Award** for **Ecological Research** from the Biologix Research and Innovation Centre Pvt. Ltd., India on the occasion of the International Conference on Agriculture, Applied and Allied Science, held on 28th -29th April 2018 at JNU, New Delhi
- **Young Scientist of the Year Award 2016** in the area of Environment and Ecology on the occasion of the 3rd International Conference on Environment and Ecology held at St. Xavier College, Ranchi on 27th-29th March 2017.
- **Young Scientist Award** for best presentation in the International conference on "Recent Trends in Life Science Researches vis-à-vis Natural Resource Management, Sustainable Development and Human Welfare" held at Vinoba Bhave University, Hazaribag.

  Received **1st Prize** in the **Presentation Competition** organized by the Zoological Survey of India on its 95th Foundation Day celebration at Kolkata.

Training / Workshop / Refresher/Leadership Course completed

1. Refresher Course on **Interdisciplinary Life Sciences and Biotechnology** organized by the UGC-MMTTC HNB Garhwal University, Uttrakhand on 06th-18th October 2025 with **A+** Grade.
2. **12th Faculty Induction Programme (FIP)** organized by the Jawaharlal Nehru University (JNU)-HRDC on 9th January -6th February 2023 with **A+** Grade.
3. Asia-Pacific Regional Workshop on **"Combating Desertification and Land Degradation"** organized by the United Nations Convention on Combating Desertification (UNCCD) and Co-hosted by MoEF& CC, Govt. of India on 24th -27th April 2018 at New Delhi.
4. Advance Regional Workshop on **"Biological Diversity Laws"** organized by the United Nation Development Programme (UNDP) in collaboration with the Institute of Laws, Nirma University, Ahmedabad held on 29-30 March 2019.
5. Science Academies Refresher Course on **"Traditional & Modern Approaches in Animal Taxonomy"** organized by Botanical Garden, GKVK, Bengaluru on 15-29th April 2013.

6. Faculty Development Programme (FDP) on **"Artificial Intelligence and Machine Learning"** organized by the Jharkhand State Faculty Development Academy (JSFDA) at Sarla Birla University, Ranchi on 5-9 October 2026.
7. Workshop on **"Innovation & Startups in Higher Education Institutes of Jharkhand"**, organized by the Department of Higher and Technical Education (DHTE), Government of Jharkhand.
8. Participated in the National Workshop on **"Biodiversity and Higher Education"** organized by the National Mission on Biodiversity and Human Well-being on 22 July 2020.
9. Sixth refresher course on "**Collection and Preservation Technique of Zoological Specimens**" organized by Zoological Survey of India, Kolkata on November 18-21, 2003.
10. Ninth training course on "**Field Ornithology**" organized by Zoological Survey of India, Kolkata on March 9-12, 2004.
11. Ninth leadership course on "**Environmental Awareness and Wildlife Conservation**" organized by Zoological Survey of India, Kolkata on March 15-18, 2005.
12. Workshop on "**Scanning Electron Microscopy**" held at University Science Instrumentation Centre, University of Burdwan on December 12-16, 2005.
13. Training Workshop on "**Faunal Biodiversity of India**" held at Moulana Azad College, Kolkata organized by Zoological Survey of India, Kolkata on November 22, 2003.
14. Workshop-cum-Training course on "**Food Safety**" held at University of Calcutta, Kolkata organized by Zoological Society, Kolkata held on August 18-19, 2006.
15. Fourteenth refresher course on "**Collection and Preservation Technique of Insect and mites of economic importance**" organized by Zoological Survey of India, Kolkata on November 18-21, 2003.
16. State level Workshop on **"Conservation of Indian Grey Wolf in Gujarat"** held on 5th March 2019 at Gir National Park, Sasan Gir, Junagadh.

Research Supervision

PhD Supervisor

1. **Dr. Harish Prajapati,** Dept. of Environment Science, Rai University, Ahmedabad **(Awarded)**
2. **Dr. Dipmala A. Gajjar,** Dept. of Earth and Environment Science, KSKV Kachchh University, Bhuj **(Awarded)**
3. **Dr. Asha Sharma,** Dept. of Environment Science, MS University, Vadodara **(Awarded)**.
4. **Ms. Yashoda Mahato,** Dept. of Life Science, BBMKU, Dhanbad (Perusing)
5. **Mr. Arun Kumar Mahato,** Dept. of Life Science, BBMKU, Dhanbad (Perusing)
6. **Ms. Priyanka Kumari,** Dept. of Life Science, BBMKU, Dhanbad (Perusing)
7. **Ms. Gulnar Parveen,** Dept. of Life Science, BBMKU, Dhanbad (Perusing)
8. **Ms. Hemlata,** Dept. of Life Science, BBMKU, Dhanbad (Perusing)

Mentorship

1. **Dr. Dipmala A. Gajjar,** Women Scientist-A, DST, Govt. of India in the project titled "Phyto-sociology, Diversity and Distribution of Climbers in dryland ecosystems of Kachchh, Gujarat". (Completed in 2021)
2. **Ms. Tejaswi Pindolia**, DST-SHE Scholar in the project on "A Comparative Study on the Floristic Diversity of Forest and Grassland Ecosystems of Kachchh, Gujarat". (Completed in 2020)

Master's Dissertation Guided

1. **Mr Joystu Dutta**, Masters in Environment Management, Forest Research Institute (FRI), Dehradun
2. **Ms Vidisha Shah,** Master's in Landscape Architecture, CEPT University, Ahmedabad
3. **Ms Prapti Gohil**, Master's in Biotechnology, Shree Ramkrishna Institute of Computer Education and Applied Sciences, Surat.
4. **Mr Vivek Kapuriya,** M.Sc. in Environmental science, Department of Earth and Environmental Science, KSKV Kachchh University, Bhuj, Gujarat
5. **Mr Ashutosh Kumar**, M.Sc in Biodiversity Conservation, Guru Govind Singh Indraprastha University, Delhi
6. **Ms Vina M. Marvaniya**, M Sc. in Environmental Sciences, KSKV Kachchh University, Bhuj
7. **Ms Joshna Maheshwari,** M Sc. in Chemistry, KSKV Kachchh University, Bhuj.
8. **Mr Vishnu Tiwari**, M Sc. in Environmental Sciences, KSKV Kachchh University, Bhuj
9. **Ms Dhamsaniya Bhumika R.**, M Sc. in Chemistry, KSKV Kachchh University, Bhuj
10. **Mr Jaydip B. Chauhan**, MRM, Gujarat Vidyapith, Ahmedabad
11. **Mr Ajaykumar S. Gohel**, MRM, Gujarat Vidyapith, Ahmedabad
12. **Ms. Darshna Z. Rangani,** M.A. in Social Work, Junagadh University, Gujarat.

Expertise/Member

- **PhD Thesis Examiner**, Department of Life Science, Presidency University, Kolkata; Department of Environment Science, KSKV Kachchh University, Bhuj, Gujarat; and Madhyanchal Professional University, Bhopal.
- **Functional Area Expert (FAE)** of **'**Ecology and Biodiversity' for Environment Impact Assessment (EIA) by the National Accreditation Board for Education and Training (NABET), New Delhi under Quality Council of India (QCI), New Delhi
- **Member,** District Expert Appraisal Committee (DEAC) for Environment Impact Assessment, Kachchh district, Gujarat
- **Member,** Eco-sensitive Zone Committee of the Lala Bustard Sanctuary, Kachchh under West Forests Division, Kachchh. Department of Forest, Govt. of Gujarat
- **Member,** Eco-sensitive Zone Committee of the Narayan Sarovar Wildlife Sanctuary, Kachchh under West Forests Division, Kachchh. Department of Forest, Govt. of Gujarat
- **Member**, Expert Group for the 'Gujarat State Environment Policy', Govt. of Gujarat

Publications

Book

1. **A. K. Roy Mahato,** Nikunj B. Gajera, Mukesh H. Koladiya, Viral Vadodariya and V. Vijaykumar (2022) **Birds of Nal Sarovar**, Published by Gujarat Institute of Desert Ecology, Bhuj
2. V. Vijaykumar, Nikunj B. Gajera, **A. K. Roy Mahato** and Davesh Gadhvi (2022) **Birds of GIFT City**, Published by GIFT City, Gandhinagar.
3. Mukesh H. Koladiya, Nikunj B. Gajera, **A. K. Roy Mahato**, V. Vijaykumar and R. V. Asari (2016) **Birds of Banni Grassland**, Published by Ravi Shankaran Foundation, Mumbai, 302pp. ISBN: 978-93-5254-957-3
4. **Arun Kumar Roy Mahato,** Ramakrishna and M. Raziuddin (2010). **Status, Ecology, Behaviour of *Antilope cervicapra* Linn. 1758 in Proposed Community Reserve for Blackbuck, Ganjam district, Orissa, India**. *Rec. Zool. Surv.* India, 160pp ISBN: 9788181712653
5. Atindra Murmu, **Arun Kumar Roy Mahato**, Subir Guha and Phakir Chandra Saren (2013). **Status of Blackbuck, *Antilope cervicapra* in Orissa**, *Status Survey Report:* 1-20 (Published by the Director*, Zool. Surv. India,* Kolkata) ISBN**:** 978-81-8171-317-9
6. A popular book titled **"Forest and wildlife of Kachchh-A Natural Heritage"** (2013) jointly published by Kachchh Forest Circle, Bhuj and Gujarat Institute of Desert Ecology, Bhuj

Research Paper

1. Pindoliya, T. and **Mahato, A. K. R.** (2026) A comparative study on the floristic diversity of forest and grassland ecosystems of Kachchh, an arid region of western India. *Current Science*, 130(5):443-448.
2. Rinku Kumari, **A. K. R. Mahato** and Gupta, B.L. (2025) Diurnal activity pattern of Indian Muntjac (*Muntiacus muntjak*) in captivity at Jawaharlal Nehru Biological Park, Bokaro, Jharkhand. *International Journal of Zoology Studies* 10(1): 74-80.
3. Sharma, A., **Mahato, A. K. R**. and Padate, G. (2024) Assessment of Plant Species composition and Diversity indices in Banni Grassland of Kachchh, Gujarat, India. *International Journal of Plant and Environment* 10(2): 202-211.
4. Mahato, N.K., Prasad, K. and **Mahato, A. K. R.** (2024) Phytochemical Profiling of Aqueous Methanol Extract of *Terminalia bellirica* from Bokaro District of Jharkhand, India. *European Journal of Medicinal Plants* 35(2): 11-28.
5. Sharma, A., **Mahato, A. K. R**., Naorem, A. K. and Padate, G. (2023) Invasive *Prosopis juliflora*: Role in Maintaining the Ecosystem Resilience of the Banni Grassland in Arid Gujarat, India. *International Journal of Plant and Environment* 9(3): 183-191.
6. Gajjar, D.; Sorathia, K. and **Mahato, A.K.R.** (2023) Threats and Conservation Significance of Climbers at arid land, Kachchh, Gujarat. *Global Journal of Research and Analysis* 12(11): 16-19.

7. Gajjar, D., Poptani, R., Paradva, B., **Mahato, A.K.R.** and Bhatt, J. B. (2023) Ethnomedicinal practices in the arid zone of India: A study in urban and semi-urban areas of Bhuj, Gujarat. *Current Botany* 14: 78-88.

8. Gajjar, D.; Sorathia, K. and **Mahato, A.K.R.** (2023) Community Structure and Distribution of Climbers across Ecosystem Gradients in the Dryland of Kachchh, Gujarat, India. *Advances in Zoology and Botany* 11(5): 336 - 349. DOI: 10.13189/azb.2023.110502.

9. Desai, S., Jani, V., **Mahato, A.K.R.** & C. Gosai (2023) Short note on the mating behaviour of Red-wattled Lapwing from the Bhal region of Gujarat. *Bird-o-soar #213, In: Zoo's Print* 38(10): 12–13.

10. Brindavanam, N. B., Goraya, G. S., Singh, S.P., Bhatt, J., Paradva, B., Poptani, R., Vadodaria, V., **Mahato, A. K. R.** and V. Vijaykumar (2022) A study on in situ conservation of *Commiphora wightii* (Arn.) Bhandari in MPCA model. *Medicinal Plants* 14 (4): 648-657

11. Gohil, P. J. and **Mahato, A. K. R.** (2021) Birds in semi-natural wetlands of arid landscape-a study on their diversity in Kachchh region of Gujarat, India. *Ecology Environment & Conservation* 27 (1): 192-198

12. Datta, A., **Mahato, A. K. R.**, Choudhary, M., Nisha, Priyanka, Jat, H.S. and P.C. Sharma (2020) Soil Organic Carbon Pools and Microbial Population in Extremely Saline Soils: A Case Study in Salt Desert of Rann of Kachchh, India. *European Journal of Environment and Earth Sciences* 1(3):1-6

13. Dutta, J., **Mahato, A.K.R**., Chaudhary, M., Sen, T. and Ranga, M.M. (2020) Greater Adjutant Storks of Deepor Beel needs conservation attention. *Science Reporter* 57 (11): 50-51.

14. Pandey, A. and **Mahato, A. K. R.** (2019) The Forest of Reverence (Sacred Groves) in the Arid Biogeographic Province of India: A Literature-based Comparison with the Sacred Groves of the Arid Deserts of The World. *Ambient Science* 06(1); online DOI:10.21276/ambi.2019.06.1.rv01

15. Pandey, A. and **Mahato, A. K. R.** (2019) Restoration potential of degraded inland sacred forest of Kachchh, Gujarat: evidence of Shravan Kavadiya sacred grove. *International Journal of Pharma and Bio-sciences* 10(3): B 171-180.

16. Prajapati, H. and **Mahato, A. K. R.** (2018) Temporal pattern of flock size among Aquatic bird species in Thol Lake, Mehsana, Gujarat. *International Journal of Zoology Studies* 3(1):188-191.

17. Raval, V. B., Radadiya, B. B., **Mahato, A. K. R.** and A. P. Singh (2018) Tricho-taxonomic study of guard hairs of three species of bovidae of Saurashtra region of Gujarat, India. *International Journal of Zoology and Applied Biosciences* 3(3): 387-398

18. Prajapati, H. and **Mahato, A. K. R.** (2018) Status and Habitat Preference of Aquatic Birds in the Thol Lake Environment, Gujarat. *Journal of Wildlife Research* 6(3): 26-33

19. Radadiya, B. B., Raval, V. B. and **Mahato, A. K. R.** (2018) Hair identification key of Domesticated Horse (*Equus ferus*) from the Saurashtra Region of Gujarat, India. *European Journal of Biomedical and Pharmaceutical Sciences* 5 (4): 1070-1073.

20. Vijay Kumar, V. and **Mahato, A. K. R.** (2016) Ecological Restoration of Arid Land: A Pilot Approach in Great Rann of Kachchh, Kachchh District, Gujarat, India. *International Journal of Development Research* 6(12):10515-10518.

21. Patel, R. M. and **Mahato, A. K. R.**, Yatin S. Patel and V. Vijay Kumar (2016) Status, diversity and conservation of plants in Gugariyana Reserve Forest, Kachchh district, Gujarat. *Octa Journal of Environmental Research* 4(1):80-85

22. Gajera, N., **Mahato, A. K. R.** and V. Vijay Kumar (2014) Habitat Preference and Social Composition of Antelopes in Arid Region of Kachchh, Gujarat, India. *Asian Journal of Conservation Biology* 3(2): 164-169.

23. Koladiya, M. H., **Mahato, A. K. R.**, Gajera, N. B. and Y. S. Patel. (2014) Distribution pattern of birds in Banni Grassland of Kachchh district, Gujarat, India. *Journal of Research in Biology* 4(1):1228-1239

24. Quasin. S, Ganguly, K., **Mahato, A. K. R.**, and De, J.K. (2014). Activity Patterns of Blue bull or Nilgai (*Boselaphus tragocamelus*) in Captivity at Zoological Garden, Kolkata. *International Journal of Pure and Applied Zoology* 2(3): 275-280

25. Patel, R., **Mahato, A. K. R.**, Dabgar, Y. B. and V. Vijay Kumar (2014). Note on the Distribution of *Commiphora stocksiana* Engl. In Kachchh: A Rare Medicinal Plant of India Need Conservation. *Annals of Plant Science* 3 (2):614-616.

26. Koladiya, M.H., **Mahato, A.K.R.** and Pardeshi, M. (2014) Status of Avi-Fauna in Lakhara Wetland, Kachchh Biosphere Reserve, Gujarat, India. *CIBTech Journal of Zoology* 3(1):37-41

27. Patel, R., **Mahato, A. K. R.** and Y. S. Patel (2014). Study on the floristic diversity of two newly recorded sacred groves from the Kachchh district of Gujarat, India. *Indian Journal of Plant Science* 3(1):75-81

28. Patel, R., Patel, Y., **Mahato, A.K.R.** and V. Vijay Kumar (2014) Some observations on the distribution and new host plant for *Corallocarpus conocarpus* in Gujarat, India. *International Journal of Plant Animal and Environmental Science* 4(1):134-135

29. J. K. De, **Mahato, A. K. R.** and M. K. Ghosh (2013) Some observations on the Status and Conservation of Swamp Deer (*Cervus d. duvauceli* Cuvier, 1823) in Dudhwa National Park, India. *Rec. Zool. Surv. India* 113(4): 93-101.

30. Gajera, N. B., **Mahato, A. K. R.** and V. Vijay Kumar (2013). Status, Distribution and Diversity of Birds in the mining environment of Kachchh, Gujarat. *International Journal of Biodiversity,* http://dx.doi.org/10.1155/2013/471618

31. **Mahato, A. K. Roy**, Sen Majumder, S., De, J. K. and Ramakrishna (2013). Activities of captive Nilgai, *Boselaphus tragocamelus* (Pallas, 1766) during partial solar eclipse**.** *Ethology Ecology and Evolution 25 (3): 269-274.* DOI:10.1080/03949370.2013.767860

32. Gajera, N. B., **Mahato, A. K. R.** and V. Vijay Kumar (2013). Status, diversity and conservation of grassland birds in the arid region of Kachchh. *International Journal of Recent Scientific Research* 4(3):166-170.

33. Patel, R, **Mahato, A. K. R.**, V. Vijay Kumar and R. V. Asari (2013). Status of the medicinal plants in Tharawada-Gandher Reserve Forest of Kachchh, Gujarat and the ethno-medicinal practices of the local community. *Journal of Medicinal Plants Studies* 1(4):1-10

34. Koladiya, M. H., **Mahato, A. K. R.**, Jagruti P Shah and V. Vijaykumar (2013). Avifauna of *"Pena Thathh"*: A Lesser-known Wetland in Banni Grassland of Kachchh district, Gujarat, India. *International Journal on Research in BioScience* 2(1): 59-65

35. Patel, Y. S., Patel, R. M., **Mahato, A. K. R.** and P. N. Joshi (2013). Status and diversity of Ethno-medicinal plants in Dhinodhar hill of Kachchh District, Gujarat. *International Journal of Plant Animal and Environmental Science* 3(1):265-273

36. Gajera, N. B., **Mahato, A. K. R.** and V. Vijay Kumar (2012) Birds in the arid and semi-arid forests of Kachchh: its status, diversity and composition. *International Journal of Research in Zoology* 2(4):23-27

37. Koladiya, M. H., **Mahato, A. K. R.** and V. Vijay Kumar (2012) Activity Budgets of Sympatric Birds in Banni Region of Kachchh District, Gujarat, India. *Proc. Zool. Soc.* 65(1):52–56. DOI 10.1007/s12595-012-0028-1

38. Rinku Kumari, **A. K. R. Mahato** and Gupta, B.L. (2026) Observation on the behaviour of Indian Muntjac (*Muntiacus Muntjak*) at the Jawaharlal Nehru Biological Park, Bokaro, Jharkhand. Sodhsamagam 9(2): 716-720

39. **Mahato, A. K. Roy**, Vijay Kumar, V. and Nainesh Patel (2012) Indian flying fox in Hamirsir Lake, Bhuj city needs conservation attention. *Current Science* 103(3): 354-355.

40. Girish Kumar, P., **Mahato, A. K. R.** and Patel, Y. (2012) On a collection of aculeate Hymenoptera from Bhuj, Gujarat. *Bugs `R All* 19:10-14

41. Gajera, N. B., **Mahato, A. K. R.** and V. Vijay Kumar (2012) Wetland birds of arid region-a study on their diversity and distribution pattern in Kachchh. *Columban Journal of Life Science 13(1&2): 47-51*.

42. Ganguly, K., Quasin, S., **Mahato, A. K. R.** and J.K. De (2011) Activity Schedule, Herd Dynamics and Management of Spotted Deer, *Axis axis* (Erxleben, 1977): A Case Study in Zoological Garden, Alipur, Kolkata. *The Indian Forester* 137(4):439-446.

43. **Mahato, A. K. Roy**, Ramakrishna and Raziuddin, M. (2010) Activities of Blackbuck (*Antilope cervicapra* Linn.1758) in rainy season: A study on the agricultural pastures of Ganjam district, Orissa, India. *J. of Environ. & Sociobiol.* 7(1): 57-64.

44. Ganguly, K., Das, D., **Mahato, A. K. R.** and De, J. K. (2008) Deer of the Zoological Garden, Alipur, Kolkata, India-a comparative study on their behaviour. *J. Environ. & Sociobiol.* 5(2):215-219.

45. **Mahato, A. K. R.**, Ramakrishna and Raziuddin, M. (2007) Behavioural patterns of Blackbuck (*Antilope cervicapra* Linn. 1758) in the semi-natural habitat of Ganjam district, Orissa, India. *Columban J. Life Sci.* 8 (1): 40-44.

46. Pahari, D., **Mahato, A. K. R.** and Hazra, A. K. (2007) Species composition and seasonal abundance of Spring-tail in an open cast coal mine soil of Jharkhand, India. *Columban J. Life Sci.* 8 (1): 35-39.

47. **Mahato, A. K. R.**, Ramakrishna and Raziuddin, M. (2006) Some observation on Blackbuck (*Antilope cervicapra* Linn.1758) in Community Reserve, Ganjam district, Orissa, India. *Proc. Zool. Soc. India* 5(1): 25-29.

48. Pahari, D., Hazra, A. K., Moitra, M. N and **Mahato, A. K. R.** (2006) Effect of industrial effluent on the population structure of soil micro arthropods at Bokaro Steel Plant area, Jharkhand – A preliminary study. *J. Environ. & Sociobiol.* 3(1): 33-40.

49. **Mahato, A. K. Roy**, Bhatnagar, P. S and Ramakrishna (2006) Existence of Indian Grey Wolf (*Canis lupus pallipes* Skyes) in its eastern limit. *Tiger Paper* 32(2): 24-25.

50. Pahari, Dhrubajoyti, Hazra, A. K and **Mahato, A. K. Roy** (2006) An account of Collembola insects in three industrial areas of Jharkhand. *Bionotes* 8(3): 99.

Book chapter

1. Sharma, A., Gosai, H.G., **Mahato, A.K.R.** (2024). Brief Overview of Challenges Linked to Food Security. In: Singh, P., Ao, B., Deka, N., Mohan, C., Chhoidub, C. (eds) Food Security in a Developing World. Springer, Cham. https://doi.org/10.1007/978-3-031-57283-8_12

2. Vijayakumar, V., Vijaykumar V. and **Mahato, A.K.R.** (2022) Desertification, Climate change and Biodiversity in Kachchh Dryland. In: Climate Change Biodiversity and Development, published by CISSA, Thiruvananthapuram. ISBN: 9788194817512

3. Paradva, B.R., Poptani, R.A., Bhatt, J.B. and **Mahato, A.K.R.** (2018) Diversity and phyto-sociology of arid vegetation in different habitats of Rapar taluka, Kachchh, Gujarat. Pp. 86-91 In. Bijukumar *et al.* (Eds.) Perspectives on Biodiversity of India. Vol. IV: 621pp

4. **Mahato, A. K. R.** (2017) Status on the Forests and Biodiversity of Jharkhand, pp 14-54, In M. Amritalingam (Eds.) *Ecological Tradition of India*, Vol-XIII, Jharkhand, published by ENVIS Centre, CPR Environment Education Centre, Chennai. ISBN: 978-81-86901-28-1

5. **Mahato, A. K. R.** (2017) Ethno-ecological practices of Indigenous communities of Jharkhand-its role in conserving biodiversity, pp 112-128, In M. Amritalingam (Eds.) *Ecological Tradition of India*, Vol-XIII, Jharkhand, published by ENVIS Centre, CPR Environment Education Centre, Chennai. ISBN: 978-81-86901-28-1

6. Bhagirath Paradva, Jayesh B. Bhatt and **Mahato, A. K. R.** (2017) Review on the ethnobotanical practices among the local communities of Jharkhand, pp 64-83, In M. Amritalingam (Eds.) *Ecological Tradition of India*, Vol-XIII, Jharkhand, published by ENVIS Centre, CPR Environment Education Centre, Chennai. ISBN: 978-81-86901-28-1

7. **Mahato, A. K. R.** (2017) Status and Conservation need of Sacred Groves in Bokaro district of Jharkhand, pp 129-138, In M. Amritalingam (Eds.) *Ecological Tradition of India*, Vol-XIII, Jharkhand, published by ENVIS Centre, CPR Environment Education Centre, Chennai. ISBN: 978-81-86901-28-1

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2. B. Anjan Kumar Prusty, **AKR Mahato**, R Chandra, JB Bhatt, J Chauhan, A Gohel, B Paradva and NB Gajera (2016) Evaluation of Open Defecation Free Scenario in Narmada District, Gujarat, pp. 27-33. In. Environment: Water, Sanitation and Hygiene "Proceedings of Odisha Environment Congress (OEC)-2016". Pakshighar Prakashan, Bhubaneswar, India. (ISBN No. 978-81-920841-5-3)

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46. Gajera, N. B., **Mahato, A.K.R** and Koladiya, M.H. (2013) Ecological and Economical Evaluation of forest of Kachchh Circle, Gujarat, 156pp.

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50. **Mahato, A.K.R** and Ramakrishna (2008) Study on the ecology and behavior of Blackbuck (*Antilope cervicapra* Linn.1758) in Community Game Reserve, Ganjam district, Orissa, India. Submitted to Zoological Survey of India, Kolkata, 152pp.

Participation in Seminar/Symposium/Conference/Congress

Invited Speaker

1. **International Conference** on **"Ecohealth and Environmental Sustainability"** organized by Navrachna University, Vadodara in collaboration with the University of Calgary, Alberta, Canada, during 24-26 February 2020, at Vadodara, India.
2. UGC Sponsored National Seminar on **"Mission Sustainability: Through Environmental Education"** organized by Uluberia College, Howrah, W.B. held on 1st and 2nd March 2017.
3. **National Webinar** on **Biodiversity and Biotechnology in Crossroad towards Sustainable Development of Human being**, organized by the Dept. of Zoology and Aquaculture Management, Prabhat Kumar College, Kontai, West Bengal on 3rd Oct., 2020.
4. National Conference on **Conservation of Sacred Groves to Protect Local Biodiversity** organized by CPR Environment Education Centre, Chennai held on 12th-14th Feb. 2011.
5. National Seminar on **"Ecology, Environment and Religions: Key Issues and Challenges"** organized by the Centre for Culture and Development on Feb. 26-27, 2018 at Vadodara.
6. National Level Seminar on **Global Warming and its Effect on Biodiversity,** organized by the Raja Peary Mohan College, Hooghly, West Bengal on 2nd August 2019.
7. National Webinar on **Climate change and Flood hazard management on the Brahmaputra Tributary,** organized by the National Institute of Disaster Management (NIDM), New Delhi & NERSWM, Assam on 24 August 2021.
8. Seminar on **"Conservation and Management of Coral Reef"** organized by the Department of Forests, Kachchh on 28th March 2018.
9. Seminar on **"Conservation and Management of Lesser-Known Mammalian Fauna"** organized by the Department of Forests, Kachchh on 10th Oct 2019.
10. **Seminar on "Environment Impact Assessment"** organized by the Department of Environment Science, MSU, Baroda on 22nd March 2019.
11. **National Webinar on *"Kudmali bhasa Sahitya ka anya Bhasa Sahitya ke saath Antarsambandh"***, organized by the Dept. of TRL, Kolhan University, Chaibasa, Jharkhand held on 24-25 June 2020.
12. Seminar on **"Global Warming"** organized by the Bokaro Mahila College, Bokaro Steel City, Jharkhand on 5th September 2023.

13. Chief Guest on **World Environment Day 2017**, organized by Jindal Saw Limited, Mundra, Gujarat.
14. **World Environment Day 2024**, organized by the BTPS, Bokaro Thermal of Damodar Valley Corporation (DVC).

Resource person

1. UGC Sponsored Refresher Course on **"Tribal Studies"** organized by Academic Staff College, Ranchi University, Ranchi, on 24th August 2013
2. Two-day Residential training program on "**Ecosystem-Based Approaches to Climate Change Adaptation and Disaster Risk Reduction",** organized by Gujarat Institute of Disaster Management held on 7th -8th August 2025.
3. Two-day Residential training program on **"Wetland Eco-system Conservation for DRR"** organized by Gujarat Institute of Disaster Management held on 3rd-4th Oct. 2022
4. **Role-model Interaction Programme** under the STEM Project organized by the American-Indian Foundation on the occasion of World Science Day, 2022.
5. Two-day virtual training program on **"Wetland Eco-system Conservation for DRR"** organized by Gujarat Institute of Disaster Management held on 22-23 July 2021
6. **International Lecture Series on Scientific mind and modeling of Environmental Health"** organized by the Department of Zoology, Mahishadal Raj College, West Bengal
7. **Short term course on "Biodiversity - status, services & management practices"** organized by the Dept. of Botany, Kongunadu Arts and Science College, Coimbatore.
8. **National Workshop on Conservation and Management of Urban Wetlands"** organized by Gujarat Ecology Society, Vadodara from 3-4th March 2020 at Vadodara, Gujarat
9. Residential Training Program on "**Eco-System Conservation for Disaster Risk Reduction"** organized by Gujarat Institute of Disaster Management held on 22-24 October 2019 at Gandhinagar
10. Residential Training Program on "**Eco-System Conservation for Disaster Risk Reduction"** organized by GIDM held on 22-24 October 2019 at Gandhinagar
11. Residential Training Program on **"Disaster Risk Assessment for Agriculture Sector in Gujarat"** organized by GIDM on 12-13 Feb. 2020 at Gandhinagar.
12. **"Environmental Workshop"** on World Environment Day 2018, organized by Gujarat Pollution Control Board, Gandhinagar and Jindal Saw Limited, Mundra.
13. Workshop on **"Field Survey Technology for Biodiversity"** organized by the Bokaro Mahila College, Bokaro Steel City, Jharkhand on 6th September 2023.
14. National level Training on **"Climate Change Adaptation and Mitigation"** organized by BIRED, Lucknow on 22nd February 2018 at Bhuj, Kachchh.
15. Training Workshop on **"Agro-forestry practices for Farmers"** held on 10th February 2020, organized by the Social Forestry Division of GSFD at Bhuj.
16. Workshop on **"Mangrove and Climate Change"** organized by Gujarat Institute of Desert Ecology, Bhuj held in May 2015.

17. State Level Workshop on **"Biodiversity Conservation"** held at Mandvi Science College, Mandvi
18. A talk on **"Biodiversity and Wildlife"** during the Wildlife Week celebrated by the Kachchh West Forest Division, Bhuj
19. Workshop on **"Environment Chemistry"** organized by the Dept. of Chemistry, KSKV Kachchh University, Bhuj, Gujarat
20. Visiting lecture on **"Biodiversity Conservation by Indigenous peoples of Jharkhand"** at the Department of Environment Studies, M. S. University, Baroda, Gujarat.

Convenor

1. National Conference on **"Status of Environment and Climate Change: Challenges for Sustainable Development"** organized by IQAC, K. B. College, Bermo in collaboration with JCSTI, Ranchi on 21-22 April 2026.

Organizing Secretary

1. National Conference on **"Behavioural Ecology: Response to Changing Climate"** jointly organized by the Ethological Society of India and Gujarat Institute of Desert Ecology, Bhuj on 24th-25th November 2018.
2. National Symposium on **"Dryland Birds: Strategy for Conservation and Management"** organized by Gujarat Institute of Desert Ecology on 9th -10th January 2015.
3. National Level Awareness Workshop on **"Biodiversity Conservation and Management with emphasis on Guggal"** jointly organized by Gujarat Institute of Desert Ecology and KSKV Kachchh University, Gujarat on 22nd January 2013.
4. Local Level Workshop on **"Biodiversity Conservation"** held at Mandvi Science College, Mandvi on 30th April 2015.

Conference paper presentation

1. **International Seminar on 'From Genome to Organism: Part IV'** organized by Department of Zoology and Department of Biotechnology, Sidho-Kanho-Birsha University held on 5-6th March 2025 at Purulia, West Bengal, India
2. International Conference on **"Environment, Aquaculture and Sustainable Agriculture"**, jointly organized by the Department of Botany, St. Xaviers College, Ranchi & IFEE, Kolkata on 22-24 September 2023.
3. International Conference on **"Animal Behaviour and Trends in Zoological Studies"** organized by the Ethological Society of India and Reva University, Bengaluru on 4th& 5th April 2023.
4. National Conference on **"Behavioral Ecology: Responses to Changing Climate"** jointly organized by the Ethological Society of India, Bangalore and Gujarat Institute of Desert Ecology, Bhuj on 24-25 November 2017.
5. Seminar on **"Contemporary Zoology"** for the section '**Sudev Bhusan Ghosh Young Scientist Award'** organized by The Zoological Society, Kolkata.
6. **94th Indian Science Congress** at Annamalai University, Chidambaram.

7. UGC-Sponsored National Symposium on "**Current Trend in Zoological Research**" held at Presidency College, Kolkata on 9th March 2007
8. **93rd Indian Science Congress** held at N. G. Ranga Agricultural University, Hyderabad, during 3-7 January 2006.
9. National Seminar on "**Faunal Diversity: Status, Utilization and Impact on Human Health**" organized by Dept. of Zoology, University of Calcutta on 16th Feb. 2008.
10. National Seminar on "**Dimension in Zoological Research in Human Welfare**" organized by Zoological Society, Kolkata on 24th March 2007
11. International Conference on "**Biodiversity: Issues & Concern**" organized by Indian Statistical Institute, Kolkata on 22nd Nov. 2007
12. **95th Indian Science Congress, 2008**, held at Visakhapatnam
13. **2nd Nat. Conf. on "Recent Trends in Ecological Researches in India with focus on Jharkhand"** organized by S.S. Memorial College, Ranchi
14. Young Scientist Award Presentation of the International Conference on **"Recent trends in Life science researches vis-à-vis Natural Resource Management, Sustainable development and Human welfare"** organized by Vinoba Bhave University, Hazaribag on 28th June 2009
15. **First Indian Biodiversity Congress** held at Thiruvananthapuram, Kerala on 29th December 2010
16. **3rd National Conference of Zoology on Man and Environment** held at Ranchi on 11th-12th December 2012
17. National Symposium on **"Dryland Bird: Strategy for Conservation and Management"** organized by the Gujarat Institute of Desert Ecology, Bhuj at KSKV Kachchh University, Bhuj on 9-10 January 2015.
18. International Conference on **"Conserving Biodiversity for Sustainable Development"** held at NIT, Rourkela on 16-18th August 2013
19. International Seminar on **"Exploring the Modern Approach in Biological Science: From Genome to Organism"** held at Sidhu-Kanhu-Birsa University, Purulia, West Bengal on 25-27th November 2015

Other Participation

1. National seminar on "**Evolutionary Biology and Biotechnology**" organized by Zoological Society, Kolkata on 26th February 2005.
2. National Seminar on "**Contemporary Zoology: Ex-classroom Highway to Industry**" held at Bangabasi College, Kolkata on 23-24 April 2005.
3. National webinar on **"Involvement of community in Biodiversity Conservation in India"** organized by the Department of Marine Science, Maharaja Krishnakumarsinhji Bhavnagar University, Bhavnagar on 5 th June 2020
4. International Webinar on **"CoViD 19- Science from Nature"** organized by the Department of Life Sciences, Bhakta Kavi Narsinh Mehta University, Junagadh held on 5th June 2020.

5. Webinar Series on "**Climate Change and COVID-19"** on the Topic "**Climate policy and Governance",** organized by the Climate Change Department, Govt. of Gujarat and GEDA, Gandhinagar on 16th June 2020.
6. Webinar Series on "**Climate Change and COVID-19"** on the Topic "**Climate change and Water Resource Management,** organized by the Climate Change Department, Govt. of Gujarat and GEDA, Gandhinagar on 24 July 2020.
7. Webinar Series on "**Climate Change and COVID-19"** on Topic **Innovation in Climate Change and Adaptation and Mitigation,** organized by the Climate Change Department, Govt. of Gujarat and GEDA, Gandhinagar on 24 July 2020.
8. Webinar on **"Biodiversity and Climate Change"** on World Environment Day organized by the Climate Change Dept., Government of Gujarat and GEDA, Gandhinagar on 5th June 2020.
9. National seminar on **"Environmental application on GIS & Remote sensing"** organized by Rani Rashmoni Mission & DOEEC Centre, Jadavpur University, Kolkata on 16.03.2007.
10. Seminar on "**Climate Change and Sustainable Development**" jointly organized by ZSI, Kolkata and SEBA, Kolkata on 5th July 2008.
11. International Seminar on "**Darwin and Human Evolution"** organized by The Asiatic Society, Kolkata on 10-12 Feb. 2010.
12. Seminar on **"Taxonomy and Recent Trends on Biodiversity Conservation"** organized by Zoological Survey of India, Kolkata held on 1st May 2010.
13. State-level seminar on **"Climate Change & Biodiversity of Sundarban"** organized by Lokmata Rani Rashmoni Mission, Nimpith on 06th -07th January 2011.
14. Participated one day workshop on **"Implementation of Action plan made by BMCs under TSG-Sahajivan in Kachchh"** organized by Sahajivan.
15. Participated in the Awareness quiz on **International Day for Biological Diversity 2020** organized by the Centre for Environment Education at Holycross College, Kanyakumari, Tamilnadu
16. Attended a workshop on **"Banni Grassland Development Planning"** at Van Chetna, Bhuj.
17. Attended workshop on **"Mangrove and Climate Change"** held at Regenta Hotel, Bhuj
18. Seminar on **"Water is Life"** organized by KSKV Kachchh University, Bhuj on Jan. 29, 2013
19. National level seminar on "**Regulating Transgenic Crops for sustainable Development**" organized by Satwik, Bhuj & Dept. of Earth and Environment Science, KSKV Kachchh University, Bhuj held on 6th July 2013.
20. State-level workshop on **"Identifying Prospects and Problems in PBR and BMC creation"** organized by Gujarat Biodiversity Board, Gandhinagar on Nov. 2012
21. National Seminar on **"Wetland Seminar and Wetland techniques Training Workshop"** organized by GEER Foundation, Gandhinagar on 12th December 2016

Research and Consultancy Project Experience

As Project Investigator

1. Three Season Migratory Avifauna Study at Proposed Solar Power Project Site in Dholera Special Investment Region *(Funded by: DSIRDA, Gandhinagar)*
2. Ecological Studies on Birds of Prey in Little Rann of Kachchh: Paradigm Shift in Species Assemblage in Salt Marsh Ecosystem *(Funded by: Dept. of Forests, Govt. of Gujarat)*
3. Status, Conservation and Management of Tree Groves of Kachchh district, Gujarat *(Funded by: Department of Forests, Govt. of Gujarat, Gandhinagar)*
4. Status and Distribution of Chinkara (*Gazella bennettii*) in Western parts of Kachchh district, Gujarat *(Funded by: Gujarat Ecology Commission, Gandhinagar)*
5. Long Term Bird Baseline Assessment for 250-300MW wind farm site near Baranda, Nakhatrana, Bhuj District, Gujarat. *(Funded by: ERM, Gurugram)*
6. Biological Assessment of unique Inland Mangrove of Guneri Village: A proposed Biodiversity Heritage Site (BHS) in Kachchh, Gujarat *(Funded by: Gujarat Biodiversity Board, Gandhinagar)*
7. Biodiversity Action Plan (BAP) for Ambuja Cement Plant, Ambujanagar, Gujarat *(Funded by: Ambuja Cement Ltd., Kodinar, Gujarat)*
8. People's Biodiversity Register (PBR) of 25 Gram Panchayats of Mandvi taluka, Kachchh, Gujarat *(Funded by: Gujarat Biodiversity Board, Gandhinagar)*
9. Study on the Effect of Noise and Mining Activities on Nocturnal Animals, Birds and Burrowing Animals at core and buffer areas of Mudhvay Limestone Mine, Sub-block B, Lakhpat, Kachchh *(Funded by: M/S. Shree Cement Ltd., Lakhpat, Kachchh)*
10. Status of the Biodiversity of Chadva Rakhal, Kachchh district, Gujarat *(Funded by: Bhuj House, Kachchh, Gujarat)*
11. Study on the Baseline Status of Migratory birds, Impact Assessment and Mitigation Plan for the proposed LPG Jetty Construction area of HPCL at Dahej, Gujarat *(Funded by: HPCL)*
12. Study on the Status and Impact Assessment of Migratory birds and its Mitigation Plan for the proposed Jetty Construction of Petronet-LNG Limited (PLL) at Dahej, Gujarat *(Funded by: Petronet-LNG Limited (PLL), New Delhi)*
13. Biodiversity Status Assessment and Comprehensive Action Plan for the Operational Areas of M/s Shree Digvijay Cement Company Limited (SDCCL) and its surrounding areas at Jamnagar and Devbhoomi Dwarka district, Gujarat *(Funded by: Shree Digvijay Cement Company Limited (SDCCL), Jamnagar)*
14. Study on the Impact of Mining on Flora and Fauna and preparation of Management Plan for threatened wildlife in core and buffer areas Adityana Limestone, Marl and Clay Mine, Ranavav Taluka, Porbandar, Gujarat *(Funded by: Saurashtra Cement Ltd., Porbandar)*
15. End line Evaluation of 132 IWMP projects under PMKSY-WC in 10 Districts of Gujarat *(Funded by: Gujarat State Watershed Management Agency (GSWMA), Gandhinagar)*

16. Biodiversity Status Assessment & Wildlife Conservation Plan for the proposed Mudhvay Sub-Block 'B' Limestone Mine of Shree Cement Limited near Mudhvay village of Lakhpat taluka, Kachchh district, Gujarat *(Funded by: Shree Cement Limited, Bhuj)*
17. Biodiversity Action Plan (BAP) for Deendayal Port Trust and its surrounding areas *(Funded by: Deendayal Port Trust, Gandhidham)*
18. Study of Ecological Status of around 6000-acre land under Deendayal Port Trust at Gulf of Kachchh coast, Bhachau, Kachchh, Gujarat *(Funded by: Deendayal Port Trust, Gandhidham)*
19. Wildlife Mitigation Plan (WMP) for the proposed Limestone mine lease at Ratadiya village, Bhuj Taluka, Kachchh *(Funded by: Kutch Mines and Minerals, Bhuj)*
20. Wildlife Mitigation Plan (WMP) for the 28-ha proposed China Clay mine lease at Naliyari Timbo village, Bhuj Taluka, Kachchh *(Funded by: Kutch Mines and Minerals, Bhuj)*
21. Wildlife Conservation Plan (WCP) of Schedule-I Faunal Species existing in Core and Buffer Areas of Sanghi Cement Ltd, Motiber and Kothiyay villages, Abdasa, Kachchh district, Gujarat *(Funded by: Sanghi Cement Limited, Ahmedabad)*
22. Conservation and Management Plan (CMP) of Wildlife in Core and Buffer Areas of Sugala Limestone Mine of Ambuja Cement Ltd., Kodinar, Gir-Somnath district, Gujarat *(Funded by: Ambuja Cement Ltd., Kodinar, Gujarat)*
23. Biodiversity Status Assessment in Core and Buffer Areas of Limestone Mines of M/s Shree Digvijay Cement Co. Ltd, at Jamnagar and Devbhumi Dwarka districts of Gujarat. *(Funded by: Shree Digvijay Cement Company Limited (SDCCL), Jamnagar)*
24. Study on the Impact of Wandh Bandhara on Environment and Socio-economics *(Funded by: Irrigation Circle, Bhuj, Gujarat)*
25. Conservation and Management Plan (CMP) of Wildlife in Kachchh district, Gujarat *(Funded by: Department of Forests, Govt. of Gujarat, Bhuj)*
26. Impact of Salt Pans on Forest and Wildlife along the Buffer Zone of Proposed Lease Area of the Salt Industries in Great Rann of Kachchh near Guneri, Kachchh and its Conservation and Management Strategies. *(Funded by: Swaminarayan Salt Ltd, Bhuj)*
27. Conservation and Management Plan (CMP) for the Conservation of Significant Species reported in the vicinity of the proposed ACL Lodhva Limestone Mine, Gir Somnath district, Gujarat. (*Funded by: Ambuja Cement Ltd., Kodinar, Gujarat)*
28. Conservation and Management plan for Schedule-I Species for Proposed Greenfield Chemical complex at Village Bada, Kachchh, Gujarat. *(Funded by: GHCL, Ahmedabad)*
29. Ecological Evaluation of Biota and Provide Conservation and Monitoring Strategies for 1 km Peripheral Areas of 1840ha allotted for Infrastructure Development-Adani Port & SEZ Limited, Mundra, Kachchh. *(Funded by: APSEZL, Ahmedabad)*
30. Assessment of the change in Agricultural productivity, Land use & land cover, and Environmental entities in view of Anthropological development in buffer areas of M/s. Shree Digvijay Cement Company Limited, Limestone Mine, Village - Gop, Taluka - Jamjodhpur, District- Jamnagar, Gujarat. *(Funded by: SDCCL, Jamnagar)*
31. Monitoring and Evaluation of Terrestrial Plantation in Adani Ports and Special Economic Zone Ltd. (APSEZL), Mundra, Kachchh. *(Funded by: APSEZL, Ahmedabad)*

32. Social Impact Assessment (SIA) Study for the private land acquisition for Lignite mining at Bhutaeshwar and Bhumbhli village of Bhavnagar district, Gujarat. *(Funded by: Gujarat Mineral Development Corporation, Ahmedabad)*
33. Third-Party Evaluation of the CSR activities of GMDC, Mata-Na-Madh Lignite Mines, Kachchh. *(Funded by: Gujarat Mineral Development Corporation, Ahmedabad)*
34. Third-Party Evaluation of the CSR activities of GMDC, Tadkeshwar Lignite Mines, Surat. *(Funded by: Gujarat Mineral Development Corporation, Ahmedabad)*
35. Evaluation of the CSR activities of GMDC, Surkha Lignite Mines, Bhavnagar. *(Funded by: Gujarat Mineral Development Corporation, Ahmedabad)*
36. People's Biodiversity Register (PBR) of 10 Gram panchayats of Kachchh district, Gujarat. *(Funded by: Gujarat Biodiversity Board, Gandhinagar)*
37. Preparation of Working Plan for Banni Grassland Division, Kachchh *(Funded by: Department of Forest, Govt. of Gujarat, Bhuj)*
38. Preparation of Cluster Development Plan for East Forest Division, Kachchh *(Funded by: Department of Forest, Govt. of Gujarat, Bhuj)*
39. Preparation of Forest Protection Plan for West Forest Division, Kachchh *(Funded by: Department of Forest, Govt. of Gujarat, Bhuj)*
40. Preparation of Forest Protection Plan for East Forest Division, Kachchh *(Funded by Department of Forest, Govt. of Gujarat, Bhuj)*

As Co-Project Investigator

1. Status, Conservation and Management of Caracal in Gujarat state *(Funded by: Gujarat Biodiversity Board, Gandhinagar)*
2. Status, Survey, Distribution and Economic Evaluation of Medicinal plants of Kachchh district, Gujarat *(Funded by: National Medicinal Plant Board, New Delhi)*
3. Forest Resource Survey in Forests areas of Kachchh district, Gujarat *(Funded by: Department of Forests, Govt. of Gujarat, Gandhinagar)*
4. Ecological and Economical Evaluation of forest of Kachchh Circle, Gujarat *(Funded by: Department of Forests, Govt. of Gujarat, Gandhinagar)*
5. Assessment of the Open Defecation Free (ODF) Scenario in Narmada district of Gujarat *(Funded by: UNICEF State Office, Gandhinagar)*
6. Study on the status of sea turtles and their habitat conservation in Mandvi taluka, Kachchh. *(Funded by: Mandvi Municipality, Kachchh, Gujarat)*
7. Consultation Report *on* Greenbelt Development for the proposed Payal Industrial Park at Vagra taluka, Bharuch *(Funded by: Payal Industries Ltd., Surat)*
8. Assessment of the Dependency of Coastal Communities on Mangrove Resources in and around APSEZL, Mundra, Kachchh *(Funded by: NCSCM, Chennai)*
9. Collection of Baseline Data Pertaining to Biodiversity and Socio-economic in Dholera SIR Area, Gujarat *(Funded by: DSIR, Gandhinagar)*
10. Floristic Inventory of the Medicinal Plant Conservation Areas (MPCAs) of Eastern Kachchh, Kachchh district, Gujarat *(Funded by: Dept. of Forests, Govt. of Gujarat, Bhuj)*

11. Floristic Inventory of the Medicinal Plant Conservation Areas (MPCAs) of Western Kachchh, Kachchh district, Gujarat *(Funded by: Dept. of Forests, Govt. of Gujarat, Bhuj)*
12. Monitoring of Guggal Plantation of National Medicinal Plant Board (NMPB) in Gujarat *(Funded by: Department of Forests, Govt. of Gujarat, Bhuj)*
13. Generation of one season baseline Environmental date for Group-II (Flora and Fauna survey and listing) of 2 projects of BCCL 1) Cluster IX of BCCL and (2) Block-E of BCCL. Dhanbad, Jharkhand *(Funded by: CMPDI, Dhanbad)*

As Coordinator & Sub-Coordinator

1. Feasibility Study for Restoration of Water Harvesting Structures in 10 Project Villages of Abdasa taluka under Gujarat-NAFCC Project *(Funded by: GEER Foundation, Gandhinagar)*
2. Preparatory Phase Evaluation of Watershed (Phase-II) in five selected districts of Gujarat *(Funded by: Gujarat State Watershed Management Agency (GSWMA), Gandhinagar)*
3. Preparatory Phase Evaluation of Watershed (Phase-III) in four selected districts of Gujarat *(Funded by: GSWMA, Gandhinagar)*
4. Preliminary Phase Evaluation of Watershed Project (Batch IV) in Gujarat *(Funded by: Gujarat State Watershed Management Agency (GSWMA), Gandhinagar)*
5. Micro-plan of the villages of Khadir and Khavda Bets of Kachchh, Gujarat *(Funded by: Department of Forests, Govt. of Gujarat, Bhuj)*

As a Functional Area Expert (Ecology and Biodiversity)

1. Environment Impact Assessment Report for port-based multiproduct SEZ at Kandla port, Kachchh district, Gujarat by Kandla Port Trust (Part-I: Terrestrial EIA and EMP) *(Funded by: National Institute of Oceanography (NIO), Mumbai)*