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1. Academic and Research Interests

I have been serving as a Lecturer (Assistant Professor) at the Central Department of Environmental Science, Tribhuvan University, Nepal, since 2011. My academic work is grounded in fostering critical thinking, scientific rigor and mentoring students to address complex environmental challenges. My core research interests include water resources management, hydrogeochemistry, water governance and transboundary hydro-diplomacy. I am particularly focused on exploring the nexus between legislation, policy frameworks, institutional dynamics and community resilience in relation to socio-environmental systems. Through interdisciplinary teaching, applied research and collaborative engagement at both national and international levels, I strive to advance evidence-based environmental policy, curriculum innovation and sustainable development across the Himalayan region and beyond.

2. Academic Qualifications

Year	Degree and Field	Institution and University	Key Details
2015– 2018	Ph.D. in Hydro geochemistry (Physical Geography)	University of Chinese Academy of Sciences, Institute of Tibetan Plateau Research, China	Dissertation: Characterization and Assessment of Water Quality Environment in the Himalaya, Nepal Supervisor: Prof. Dr. Fan Zhang
2003– 2005	M.Sc. in Environmental Science (Distinction)	Central Department of Environmental Science, Institute of Science and Technology, Tribhuvan University, Nepal	Dissertation: Environmental Study of Organic and Inorganic Farming of Madhyapur Thimi, Bhaktapur Supervisor: Dr. Krishna B. Karki
2000– 2003	B.Sc. in Environmental Science (First Division)	Tri-Chandra Multiple Campus, Tribhuvan University, Kathmandu, Nepal	Biological Group with Environmental Science, Chemistry and Botany
2008– 2009	Bachelor in Education (B.Ed., One Year) in Supervision and Administration	Prithivi Narayan Campus, Tribhuvan University, Pokhara, Nepal	Study Focus: Effectiveness of Teaching and Learning Activities in Environmental Education
2008– 2011	Bachelor of Law (LLB) in General Legal Systems	Prithivi Narayan Campus, Tribhuvan University, Pokhara, Nepal	Research Focus: Phewa Lake: Environmental Challenges and Legal Interventions

3. Professional Experiences

Position and Role	Year(s)	Institution and Location	Key Contributions and Responsibilities
Lecturer (Assistant Professor)	2011–Present	Central Department of Environmental Science, Tribhuvan University, Kathmandu, Nepal	Teaching M.Sc. courses, supervising theses, coordinating academic programs and leading research initiatives. Served as Coordinator for Environmental Health in Disaster (EHD) program (2019–2022).
Visiting Faculty-Open and Distance Learning (ODL)	2020–2024	Mahendra Ratna Campus, Tahachal, Tribhuvan University	Delivered flexible, learner-centered instruction in Environmental Science for remote learners.
Visiting Faculty- Environmental Education, Ecology, Biodiversity	2012–2025	Sanothimi Campus, Tribhuvan University	Taught M.Ed. courses and supported curriculum development in environmental education.
Lecturer -Environmental Science	2006–2011	Janapriya Multiple Campus, Pokhara, Nepal	Served as Full Time Teaching Faculty; Chaired Subject Committee and served as Resource Person for UGC research project.
Faculty Member- Environmental Education	2007–2011	Prithvi Narayan Multiple Campus, Tribhuvan University	Taught B.Ed. Science courses and contributed to pedagogical innovation and research activities.
Course Coordinator-Global Environmental Change	2008–2011	Institute of Forestry (IOF), Tribhuvan University	Co-ordinated Master's level course and taught Watershed Management and Ecology.
Visiting Faculty-Gender, Environment, and Development	2010–2011	School of Humanities and Social Sciences, Pokhara University	Delivered interdisciplinary instruction bridging gender and environmental governance.
Senior Teacher and Department Head-Health, Population, Environment	2004–2006	Ananda Bhumi Higher Secondary Boarding School, Kathmandu	Led curriculum delivery and departmental coordination at Secondary Level.
Member-Environmental Science Subject Committee	2012–Present	Institute of Science and Technology, Tribhuvan University	Contributed to academic standardization and curriculum review.
Member-Environmental Science Subject Committee	2020–Present	Pokhara University	Supported academic planning and curriculum development.
Member-Environmental Science Subject Committee	2020–Present	Sudurpaschim University	Advised on curriculum integration and academic quality assurance.
Subject Expert	2024–Present	Rajarshi Janak University	Advising on curriculum and academic program development.
Subject Expert	2024 - Present	Humanities and Social Sciences, Dean office, Tribhuvan University	For special courses of Philosophy: Environmental and Medical Ethics
Member- Nepal Environmental Society	Since 2014 Life Member	National Affiliation	Engaged in environmental advocacy, networking, and professional development.

4. Citation Metrics and Recognitions (as of October 2025)

Metric	Number	Source	Remarks
Total Citations	1644	Google Scholar	Since 2020: 1582
h-index	22	Google Scholar	Since 2020: 22
i10-index	47	Google Scholar	Since 2020: 47
Top-Cited Publication	309	Google Scholar	Pant, R. R. , Zhang, F., Rehman, F. U., Wang, G., Ye, M., Zeng, C., & Tang, H. (2018). Spatiotemporal variations of hydrogeochemistry and its controlling factors in the Gandaki River Basin, Central Himalaya Nepal. <i>Science of the Total Environment</i> , 622, 770-782.
First and corresponding author	56	Google Scholar	Both National and International
Joint Authorship / Coauthor	61	Google Scholar	Both National and International
Peer Review Roles/ Article Review	>200	Publication Record	Both National and International
Books (Authored/Edited)	5	Publication Record	Text, Reference, and Research Books and Policy Briefs
Book Chapters (International)	2	Google Scholar	Springer Nature and Elsevier
Book Chapters (National)	2	Google Scholar	EProc Nepal; Environmental Issues and Challenges in Nepal
Editorial Roles	3	Academic Record	Associated Editor: SN Applied Sciences Editorial Board Member : Perspective on Higher Education Editorial Member : Water MDPI Special Issue
Research Projects	12	Research Record	Both National and International
Awards and Recognitions	3	Major	UCAS PhD Award, Bidhya Bhushan Ka, Award Best Teacher Award
Leadership and Institutional Service	-	Major	Elected Member, Tribhuvan University Teacher's Association (TUTA) University Campus, Kirtipur, Kathmandu, Nepal (2079–2082)
Google Scholar	-	Profile Link	https://scholar.google.com/citations?user=P6zlNI8AAAAJ&hl=en
ORCID	-	Profile Link	https://orcid.org/0000-0002-6170-0188

5. Research Publications

First and Corresponding Author

1. **Pant, R. R.**, Zhang, F., Qaiser, F. U. R., Varol, M., Adhikari, D., Wang, G., & Saqr, A. M. (2025). Trace elements in fluvial sediments of the Gandaki River Basin, Central Himalaya, Nepal: Distribution, sources, and risk assessment. *Journal of Soils and Sediments*, 1–18. <https://doi.org/10.1007/s11368-025-03456-2>
2. **Pant, R. R.**, Awasthi, M. P., Khanal, B., Acharya, A., Poudel, P., & Parajuli, S. (2025). Hydro chemical characteristics and water quality assessment of surface water in the Badigad River Basin, Lesser Himalayas, Nepal. *Environmental Science and Pollution Research*, 32(33), 19836–19859. <https://doi.org/10.1007/s11356-025-04567-3>
3. Ranabhat, S., **Pant, R. R.**, Awasthi, M. P., Phuyal, P., Khatri, S., Thapa, L. B., & Yadav, R. K. P. (2025). Hydrochemical modeling and water quality assessment of Chepe River (Nepal): Exploring the water-environment nexus. *Environmental Earth Sciences*, 84(13), 385. <https://doi.org/10.1007/s12665-025-11034-5>
4. Timalsina, R., **Pant, R. R.**, Maharjan, S., Kandel, S., Awasthi, M. P., Bishwakarma, K., & others. (2025). Ramsar wetlands in Nepal: Status, uses, challenges, and conservation strategies, a review. *Nepalese Journal of Zoology*, 9(1), 55–66.
5. Manyal, D. S., **Pant, R. R.**, Bhattarai, C., Paudel, B. K., Awasthi, M. P., Bohara, R., & Rawal, S. (2025). Hydrochemistry and water quality of Phoksundo Lake (Dolpa): Insights from the Higher Himalaya Ramsar Site of Nepal. *Journal of Institute of Science and Technology*, 30(1), 255–272.
6. Dahal, B., **Pant, R. R.**, Adhikari, B., Joshi, T. P., Sharma, M. L., Awasthi, M. P., Joshi, K., & Kafle, J. (2025). Water quality and irrigation suitability of freshwater lakes in Sudurpaschim Province, Nepal: A case study of Alital and Bandatal. *Scientific World*, 18(18), 143–157.
7. **Pant, R. R.**, Rehman, F. U., Wang, G., Bishwakarma, K., & Adhikari, S. (2025). Hydrochemical characterization and seasonal variations in water quality of Phewa Lake, Nepal. *Wetlands*, 45(5), 55. <https://doi.org/10.1007/s13157-025-01567-8>
8. Puri, P., **Pant, R. R.**, Awasthi, M. P., Chapagain, A., Poudel, S., Pokhrel, S., & Shrestha, U. S. (2025). Noise pollution and its impact on health in Kathmandu Valley, Nepal: A case study. *Journal of Environment Sciences*, 11, 77–85.
9. Khanal, B., Saqr, A. M., Pathak, L., Acharya, A., Subedi, P., Awasthi, M. P., Bhattarai, C., Bishwakarma, K., Pal, K. B., Thapa, L. B., & **Pant, R. R.** (2025). Evaluation of water quality in lowland Ramsar Wetlands: Insights on hydrochemistry analysis–sustainable development goals nexus. *Physics and Chemistry of the Earth*, 139, 104097. <https://doi.org/10.1016/j.pce.2025.104097>
10. **Pant, R. R.**, Varol, M., Awasthi, M. P., Bohara, R., Paudel, S., Nepal, J., & Pant, S. R. (2025). Comprehensive assessment of water quality of a transboundary river in Nepal using hydro-chemical, chemo metric, health risk and index-based approaches. *Water, Air, & Soil Pollution*, 236(4), 211. <https://doi.org/10.1007/s11270-025-06012-w>
11. Awasthi, M. P., **Pant, R. R.**, Bishwakarma, K., Raut, G. K., Paudel, G., & Kafle, S. (2025). Integrating multivariate statistical techniques and geochemical indices for water quality assessment in pond ecosystems of Kirtipur Municipality, Kathmandu, Nepal. *Sustainable Water Resources Management*, 11(2), 13.
12. Timilsina, B., **Pant, R. R.**, Kharel, M., Shrestha, R., & Saqr, A. M. (2025). Assessment of soil quality along the elevation gradient of the Seti River watershed in Pokhara Metropolitan City, Nepal. *Environmental Monitoring and Assessment*, 197(3), 296. <https://doi.org/10.1007/s10661-025-11296-9>
13. Timalsina, R., **Pant, R. R.**, Acharya, S., Durin, B., Awasthi, M. P., & Joshi, G. R. (2025). An assessment of seasonal water quality in Phewa Lake, Nepal, by integrating geochemical indices and statistical techniques: A sustainable approach. *Water*, 17(2), 238. <https://doi.org/10.3390/w17020238>

14. **Pant, R. R.**, Varol, M., Phuyal, S., Bhattarai, S., Awasthi, M. P., & Thakur, T. K. (2025). How sand mining is shaping the Trishuli River in the Himalayas of South Asia. *Earth Systems and Environment*, 1–17. <https://doi.org/10.1007/s41748-025-00456-4>
15. Dahal, B., **Pant, R. R.**, Adhikari, B., Joshi, T. P., Sharma, M. L., Awasthi, M. P., & Pathak, L. (2025). Harnessing hydrochemical characterisation and ANN-driven water quality modelling for wetland sustainability in Sudurpaschim Province, Central Himalaya, Nepal. *Lakes & Reservoirs: Research & Management*, 30(1), e70012. <https://doi.org/10.1111/lre.70012>
16. Joshi, B., **Pant, R. R.**, Sharma, J., Joshi, B., Thapa, L., Awasthi, M. P., Joshi, T. R., & Joshi, K. R. (2024). Assessment of healthcare waste management practices at Seti Provincial Hospital, Nepal. *Nepalese Journal of Development and Rural Studies*, 21(1), 16–27.
17. Paudel, G., **Pant, R. R.**, Joshi, T. R., Saqr, A. M., Đurin, B., Cetl, V., & Kamble, P. N. (2024). Hydrochemical dynamics and water quality assessment of the Ramsar-listed Ghodaghodi Lake complex: Unveiling the water-environment nexus. *Water*, MDPI, 16(23), 3373.
18. Kafle, J., **Pant, R. R.**, Adhikari, K. P., & Poudel, E. P. (2024). Mathematical modeling of pollutants dispersion in the atmosphere. *Journal of Nepal Mathematical Society*, 7(1), 61–70.
19. Nepal, J., **Pant, R. R.**, Shrestha, S., Paudel, S., Bishwakarma, K., & Awasthi, M. P. (2024). Water balance estimation and runoff simulation of Chameliya Watershed, Nepal. *Environmental Earth Sciences*, 83(3), 117.
20. Thapa, B., **Pant, R. R.**, Khanal, L., Bhatta, C. R., Subedi, P., & Upadhyaya, L. P. (2024). Hydrochemistry and irrigation quality of high-altitude lakes: A case study of the Ramaroshan Lake Complex, Nepal Himalayas. *Limnological Review*, 24(1), 30–52.
21. **Pant, R. R.**, Acharya, K. P., Bishwakarma, K., & Awasthi, M. P. (2023). Writing and publishing a scientific research paper. *Curriculum Development Journal*, 31(45), 148–166.
22. Tiwari, S., **Pant, R. R.**, Timilsina, B., Sitaula, S., Awasthi, M. P., & Mahat, A. (2023). Evaluating the major sources of surface water quality in Pokhara Metropolitan City, Gandaki Province, Nepal. *Himalayan Biodiversity*, 9, 29–38.
23. **Pant, R. R.**, Rehman, F. U., Bishwakarma, K., Pathak, L., Thapa, L. B., & Pal, K. B. (2023). Water quality and health risk assessment in the Gandaki River Basin, Central Himalaya, Nepal. *Scientific World*, 16(16), 85–93.
24. **Pant, R. R.**, Bishwakarma, K., Kandel, K., Poudel, S., Nepal, J., & Neupane, B. B. (2023). Seasonal variations and health risk assessment of trace elements in the Badigad River, Lesser Himalayas, Nepal. *Acta Geochimica*, 42(4), 689–703.
25. Chalise, B., **Pant, R. R.**, Paudyal, P., Kunwar, B. B., Bishwakarma, K., & Thapa, B. (2023). Water quality and hydrochemical assessments of thermal springs, Gandaki Province, Nepal. *Heliyon*, 9(6). <https://doi.org/10.1016/j.heliyon.2023.e123456>
26. Neupane, S., **Pant, R. R.**, Thapa, L. B., Shah, D. N., Gautam, B., & Adhikari, B. (2023). Hydrochemical characterization of the Ramsar-listed Koshi Tappu Wetland, Nepal. *Journal of Nepal Chemical Society*, 43(2), 53–64.
27. **Pant, R. R.**, Bishwakarma, K., Pal, K. B., Thapa, L. B., & Shrestha, R. G. (2023). Comparative analysis of hydrochemical variables of two Ramsar-listed lakes in Pokhara Valley, Nepal. *International Journal of Energy and Water Resources*, 7(1), 1–13.
28. Nisar, U. B., **Pant, R. R.**, Ehsan, S. A., Farooq, M., Khan, N. G., Qaiser, F. U. R., & Butt, F. M. (2023). Integrated geoelectrical and geological investigation of a Quaternary paleo-depositional environment in the Haripur Basin, Northern Pakistan: Implications for groundwater system. *Geofluids*, 2023(1), 1057457.
29. Nisar, U. B., **Pant, R. R.**, Farooq, M., Khan, S., Satti, I. A., Wahid, A., & Qaiser, F. R. (2023). Integrated geophysical and geotechnical approaches for evaluating dam seepage in Lesser Himalayan Region of Pakistan. *Geofluids*, 2023(1), 6930602.

30. Pyakurel, P., **Pant, R. R.**, Pradhanang, S., Bishwakarma, K., & Ghimire, A. (2022). Assessment of ecological footprint of urban squatter and non-squatter settlements: A case study of Kathmandu Valley, Nepal. *Nepal Journal of Science and Technology*, 21(2), 93–104.
31. Khatiwada, S. S., **Pant, R. R.**, Timilsina, R., Bishwakarma, K., & Bhatta, K. (2022). Wetland-based tourism and livelihoods strategies in the Pokhara Valley, Nepal. *Curriculum Development Journal*, 30(44), 84–98.
32. Sapkota, M., **Pant, R. R.**, Pathak, L., Khanal, B., Shrestha, S., Poudel, B., Poudel, S., Thapa, L. B., Pal, K. B., Bishwakarma, K., & Durdiev, K. (2021). Assessment of water quality using multivariate statistical approaches in Jagadishpur Reservoir, Lumbini Province, Nepal. *Sustainable Water Resources Management*, 7(78). <https://doi.org/10.1007/s40899-021-00559-z>
33. **Pant, R. R.**, Qaiser, F. U. R., Wang, G., Adhikari, S., Bishwakarma, K., & Baral, U. (2021). Hydrochemical appraisal and solute acquisitions in Seti River Basin, Central Himalaya, Nepal. *Environmental Monitoring and Assessment*, 193(10), 656.
34. **Pant, R. R.**, Qaiser, F. U. R., Yadav, I. C., Guanxing, W., Bishwakarma, K., & Pal, K. B. (2022). Hydrochemical characterization of surface water in Phewa Lake, Gandaki Province, Nepal. *Scientific World*, 15(15), 70–85.
35. Paudel, G., **Pant, R. R.**, Dahal, B., Bishwakarma, K., Sharma, S., & Shrestha, S. M. (2022). Assessment of hydrochemical characteristics of the Taudaha Lake, Kathmandu, Nepal. *Scientific World*, 15(15), 70–85.
36. Dangol, A., **Pant, R. R.**, Chalaune, T. B., Sharma, J., Thapa, B., & Thapa, L. B. (2022). Hydrochemical characterization of lentic and lotic environments of Ramaroshan area, Sudurpaschim Province, Nepal. *Geographical Journal of Nepal*, 15, 83–102.
37. **Pant, R. R.**, Bishwakarma, K., Nepal, J., Paudel, S., Chand, M. B., & Qaiser, F. U. R. (2021). Seasonal variations and health risk assessment of trace elements in Seti River Basin, Gandaki Province, Nepal. *Bulletin of Environmental Contamination and Toxicology*, 107(3), 441–448
38. **Pant, R. R.**, Pal, K. B., Pathak, G., Bishwakarma, K., Thapa, L. B., & Dhital, Y. P. (2021). Water quality and health risk assessment of trace elements contamination in Ghodaghodi Lake, Sudurpaschim Province, Nepal. *Nepal Journal of Environmental Science*, 9(1), 29–40.
39. **Pant, R. R.**, Bishwakarma, K., Qaiser, F. U. R., Pathak, L., Jayaswal, G., & Sapkota, B. (2021). Imprints of COVID-19 lockdown on the surface water quality of Bagmati River Basin, Nepal. *Journal of Environmental Management*, 289, 112522.
40. **Pant, R. R.**, Bishwakarma, K., Basnet, B. B., Pal, K. B., Karki, L., & Dhital, Y. P. (2021). Distribution and risk appraisal of dissolved trace elements in Begnas Lake and Rupa Lake, Gandaki Province, Nepal. *SN Applied Sciences*, 3(5), 532.
41. **Pant, R. R.**, Chalaune, T. B., Dangol, A., Dhital, Y. P., Sharma, M. L., & Pal, K. B. (2021). Hydrochemical assessment of the Beeshazar and associated lakes in Central Nepal. *SN Applied Sciences*, 3(1), 38.
42. **Pant, R. R.**, Bishwakarma, K., Ghimire, A., Shrestha, K., Maskey, R., & Joshi, B. R. (2021). Disaster management and role of academic institutions in Nepal: Current status and way forward. *Himalayan Biodiversity*, 27–35.
43. Pal, K. B., **Pant, R. R.**, Bishwakarma, K., Chalaune, T. B., Upadhaya, D., Joshi, T. R., & Thapa, L. B. (2021). Hydrochemical assessment of Jhilmila Lake, Kanchanpur, Nepal. *Scientific World*, 14(14), 124–131.
44. **Pant, R. R.**, Bishwakarma, K., Ghimire, A., Shrestha, K., Maskey, R., & Joshi, B. R. (2020). Disaster management and role of academic institutions in Nepal: Current status and way forward. *Himalayan Biodiversity*, 27–35.
45. Pathak, L., **Pant, R. R.**, Khadka, U. R., Nepal, J., Poudel, S., Pathak, G., & Khanal, S. (2020). Spatial analysis of water stress and application of water poverty index (WPI) in the Mahakali River Basin, Sudurpaschim Province, Nepal. *Nepalese Journal of Zoology*, 4(2), 85–94.
46. Adhikari, B., **Pant, R. R.**, Baral, U., Shrestha, S., Neupane, S., & Khanal, B. (2020). Geochemical and multivariate assessment of water quality in the Rajarani Lake, Dhankuta, Nepal. *Journal of Nepal Geological Society*, 60, 37–49.

47. Acharya, A., Sharma, M. L., Bishwakarma, K., Dahal, P., Chaudhari, S. K., & **Pant, R. R.** (2020). Chemical characteristics of the Karmanasha River water and its appropriateness for irrigational usage. *Journal of Nepal Chemical Society*, 41(1), 94–102.
48. **Pant, R. R.**, Zhang, F., Rehman, F. U., Koirala, M., Rijal, K., & Maskey, R. (2020). Spatiotemporal characterization of dissolved trace elements in the Gandaki River, Central Himalaya, Nepal. *Journal of Hazardous Materials*, 389, 121913. <https://doi.org/10.1016/j.jhazmat.2020.121913>
49. **Pant, R. R.**, Pal, K. B., Bishwakarma, K., Thapa, L. B., Dangol, A., & Dawadi, B. (2020). Application of multivariate approaches to the hydro-chemical assessment of the Ghodaghodi Lake, Sudurpaschim Province, Nepal. *Nepal Journal of Science and Technology*, 19(2), 46–54.
50. Bishwakarma, K., **Pant, R. R.**, Pal, K. B., Ghimire, A., Thapa, L. B., Saud, P., & Joshi, S. (2019). Water quality and land use/cover changes in the Phewa Watershed, Gandaki Province, Nepal. *Nepal Journal of Environmental Science*, 7, 31–39.
51. Maharjan, A., **Pant, R. R.**, Khatri, S. B., Thapa, L., Pathak, P., Bhatta, Y. R., & Rijal, K. (2019). Solid waste management: Challenges and practices in the Nepalese context. *Himalayan Biodiversity*, 6–18.
52. **Pant, R. R.**, Dhakal, M., Thapa, L. B., Baral, U., Dangol, A., Chalaune, T. B., & Pal, K. B. (2019). Water quality assessment of the Betkot Lake, Sudurpaschim Province, Nepal. *North American Academic Research*, 2(12), 36–62.
53. Pal, K. B., **Pant, R. R.**, Rimal, B., & Mishra, A. D. (2019). Comparative assessment of water quality in the Bagmati River Basin, Nepal. *Zoo-Journal*, 5, 68–78
54. **Pant, R. R.**, Pal, K. B., Adhikari, N. L., Adhikari, S., & Mishra, A. D. (2019). Water quality assessment of Begnas and Rupa Lakes, Lesser Himalaya Pokhara, Nepal. *Journal of the Institute of Engineering*, 15(2), 113–122.
55. **Pant, R. R.**, Maharjan, M., Dangol, A., & Rijal, K. P. (2019). Assessment of upstream-downstream linkages through payment for ecosystem services in the Phewa Watershed, Pokhara, Nepal. *Perspectives*, 11, 81–90.
56. **Pant, R. R.**, Zhang, F., Rehman, F. U., Wang, G., Ye, M., Zeng, C., & Tang, H. (2018). Spatiotemporal variations of hydrogeochemistry and its controlling factors in the Gandaki River Basin, Central Himalaya Nepal. *Science of the Total Environment*, 622, 770-782.

Joint Authorship / Coauthor

57. Bishwakarma, K., **Pant, R. R.**, Wang, G., Zhang, F., & Wu, G. (2025). Concentration-discharge relationships and chemical weathering in the silicate-rich Tamor River Basin: Insights from weekly hydrochemical time-series. *Journal of Hydrology: Regional Studies*, 62, 102824. <https://doi.org/10.1016/j.ejrh.2025.102824>
58. Rana, R., **Pant, R. R.**, Awasthi, M. P., Thapa, S. K., Shahi, A., Oli, S., & Thakur, T. K. (2025). Multivariate and geospatial analysis of river water quality in the Andhi Khola Basin, Western Nepal. *Water, Air, & Soil Pollution*, 236(14), 895. <https://doi.org/10.1007/s11270-025-06123-4>
59. Bishwakarma, K., **Pant, R. R.**, Wang, G., Zhang, F., Adhikari, S., & Saqr, A. M. (2025). Hydrogeochemical controlling mechanism and associated health risk assessment of trace elements in the Koshi River Basin, Central Himalaya. *Environmental Monitoring and Assessment*, 197(9), 1–18. <https://doi.org/10.1007/s10661-025-11234-9>
60. Saini, S., **Pant, R. R.**, Thakur, T. K., Balaswamy, S., Kumar, A., Kumar, R., & others. (2025). Assessing ecological sustainability of the Narmada River using the macrophyte river index. *Physics and Chemistry of the Earth*, 139, 103931. <https://doi.org/10.1016/j.pce.2025.103931>
61. Pant, S. R., **Pant, R. R.**, Bhattarai, B. P., Baral, H. S., & Thapa, T. B. (2025). Seasonal variations on physical features, water quality and vegetation in three key lakes of Far Western Nepal. *Nepal Journal of Environmental Science*, 13(2), 1–13.

62. Saqr, A. M., **Pant, R. R.**, Alao, J. O., Chaurasia, P. K., Abdelkebir, B., & others. (2025). Soil remediation through washing and flushing: Bibliometric trends, technical review, and future prospects. *Environmental Earth Sciences*, 84(14), 401. <https://doi.org/10.1007/s12665-025-11045-2>
63. Poudel, S., **Pant, R. R.**, Chettri, M. K., & Thapa, L. B. (2025). Effects of shade and leachate from invasive *Chromolaena odorata* (Siam weed) on seedling growth and development of native tree species in Nepal. *Tropical Life Sciences Research*, 36(2).
64. Bishwakarma, K., **Pant, R. R.**, Zhang, F., Nepal, J., Wang, G., Xiang, Y., & Khanal, N. P. (2025). Basin-scale estimation of runoff components using the SPHY model: A case study of the Koshi River Basin, Central Himalaya. In *Water Resources Management in Mountain Regions* (pp. 21–42).
65. Lamichhane, N., **Pant, R. R.**, Basyal, H. P., Thapa, A., Thapa, L. B., & Yadav, R. K. P. (2025). Naturalized exotic weed *Tagetes minuta*: A potentially invasive species in Nepal. *Korean Journal of Plant Taxonomy*, 55(1), 36–43.
66. Tiwari, K., **Pant, R. R.**, & Shah, D. N. (2025). Transboundary water governance challenges in the Mahakali River Basin: A view from Nepal and way forward. *Water International*, 50(1), 70–100. <https://doi.org/10.1080/02508060.2025.2291234>
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111. Bhandari, P., Shrestha, M. L., & **Pant, R. R.** (2015). Impact of climate change and adaptation strategies on livestock in Gandaki River Basin, Nepal. In *Participatory Community Assessment for Priority Problem Diagnosis in Bajura District*.
112. Nepali, K. B., **Pant, R. R.**, & Pradhanang, S. (2014). Impacts of climate change on the livelihoods of local people: A case from Jethal VDC, Sindhupal-Chowk District. *Crossing the Border: International Journal of Interdisciplinary Studies*, 2(1).
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6. Book Chapters

117. **Pant, R. R.,** Koirala, M., Adhikari, D., & Gaire, N. P. (2024). Ecological restoration in Nepal: A comprehensive policy overview. In *Sustainable Ecological Restoration and Conservation in the Hindu Kush Himalaya*.
118. Qu, B., Paudyal, R., **Pant, R. R.,** & Qaiser, F. U. R. (2020). Inorganic components in river waters in the Third Pole. In *Water Quality in the Third Pole* (pp. 137–178). Springer.
119. **Pant, R. R.,** Gautam, S. K., Basnet, N., Awasthi, M. P., Joshi, K. R., & Bishwakarma, K. (2025). Water governance and Strategic Development Goal 6: Strategies and insights from Central Himalaya, Nepal. Royal Society of Chemistry.
120. Bishwakarma, K., Zhang, F., Nepal, J., Wang, G., Xiang, Y., **Pant, R. R.,** & Khanal, N. P. (Year). Basin-scale estimation of runoff components using the SPHY model: A case study of the Koshi River Basin, Central Himalaya. In *Water resources management in mountain regions* (pp. 21–42).

7. Text and Reference Books

121. **Ramesh Raj Pant,** Lal B. Thapa (2025). Ramsar Sites in Nepal: Status, Research Trends, and Conservation Strategies. *Intellectuals'' Book Palace, Kirtipur Kathmandu Nepal.*
122. **Ramesh Raj Pant,** Khadka Bahadur Pal (2023). Pioneer Environmental Chemistry. *Dreamland Publications, Kathmandu Nepal.*
123. **Ramesh Raj Pant,** Lalit Pathak (2022). Ecology and Environment. *Intellectuals'' Book Palace, Kirtipur Kathmandu Nepal.*
124. **Ramesh Raj Pant,** Kamal Prasad Acharya (2021). Teaching Environment: Methods and Perspectives. *Intellectuals'' Book Palace, Kirtipur Kathmandu Nepal.*
125. **Ramesh Raj Pant** (2010). Environmental Education. *Sujata Publication, Kirtipur Kathmandu, Nepal.*

8. Major Conferences Attended

Date	Conference / Training	Location/Country	Role / Contribution
Nov 3–8, 2024	Environment and Emergencies Training (EET Asia 2024), UNEP/OCHA Joint Environment Unit	Hua Hin, Thailand	Focused on environmental emergency preparedness and response; Funded by UNEP/OCHA Joint
Oct 17–28, 2023	Green Technology, Renewable Energy, CCUS, Circular Economy, SDGs (6, 7, 12, 13)	NTHU, Taiwan	explored sustainability and climate innovation; Funded by NSTC Taiwan;
Sep 2–19, 2019	International Training Program (ITP) for Disaster Risk Management	Sweden	Focused on institutional resilience and risk reduction; Funded by Sida, Sweden

May 10–12, 2018	International Conference on Wetland Resources and Sustainable Utilization	Pokhara, Nepal	Focused on hydrogeochemistry of the Gandaki River Basin
Aug 20–25, 2017	12th International Congress of Ecology (INTECOL 2017)	Beijing, China	Focused on hydrogeochemistry of the Seti River Basin; Funded by ITP-CAS
Jul 10–12, 2017	Third Pole Science Summit (TPSS), TPE-CSTP-HKT Joint Conference	Kunming, China	Focused Research: Seasonal variations and trace element risk in Seti River Basin; Funded by ITP-CAS
Jul 31–Aug 5, 2016	13th Annual Meeting, AOGS	Beijing, China	Poster Presenter – Water quality assessment of Lesser Himalayan lakes
Mar 29–31, 2016	7th National Conference on Science and Technology	Kathmandu, Nepal	Focused Research : Ecological footprint analysis of squatter vs non-squatter settlements in Kathmandu Valley
Aug 10–23, 2015	TPE and TiP Science & Technology Training Program	Kunming, China	Focused Research : Freshwater resources and lake environments of Nepal; Funded by TPE and TiP Science
Apr 13–17, 2015	Academic Visit and Presentation	Dhaka University, Bangladesh	Focused Research : National scenario on strengthening disaster risk management in academia
Mar 13–14, 2015	Workshop on Hydro-Diplomacy in the Ganges-Brahmaputra-Meghna System	Bangkok, Thailand	Focused Research and Contribution : Curricula Development on Hydro-diplomacy
Jul 5–16, 2014	International Conference on Prospects: Economy, Society and Environment (EPESE-2015)	Ratnagiri, India	Focused Research on Livelihood Analysis in Api-Nampa Conservation Area at Transboundary Perspectives
May 26–27, 2014	IUCN Consultation Meeting	Bangkok, Thailand	Focused Research and Contribution : Curricula Finalization on Hydro-diplomacy in Transboundary River Systems

9. Major Grants, Fellowships and Research Projects

Year(s)	Role & Project Title	Funding Source / Collaboration	Budget (NPR)	Focus Area	Outputs
2023–2025	Team Leader – Impacts of Climate Change on Highland Water Sources and Livelihoods of Sheep Herders	Ministry of Education, Science and Technology, Government of Nepal	500,000	High Himalayas, Nepal	Research Report and Policy Brief
2024–2025	Team Leader – Study of Pond Water Quality in Kathmandu Metropolitan City	Kathmandu Metropolitan City	495,000	Urban water quality, Kathmandu	Research Report and Article
2023–2025	Team Leader – Comparative Assessment of Hydrogeochemistry and Water Quality between Arun and Tamor Rivers	TU-NPAR-079/80-ERG-08, Research Directorate, Tribhuvan University	30,00,000	Koshi River Basin, Central Himalayas	Two Paper Published in SCI rank journals

					and 6 are under review
2022–2024	Team Member – Water-Soil-Food Nexus and Sustainable Livelihoods Through Agrobiodiversity Mainstreaming	TU-NPAR-077/78-ERG-09, Research Directorate, Tribhuvan University	50,00,000	Marshyangdi River Basin, Nepal	Four Research Article Published
2019–2021	Team Leader – Water Resource Dynamics and Riparian Livelihoods: Mahakali River Case Study	UGC Faculty Research Grant (FRG-75/76-S&T-10)	4,00,000	Mahakali River Basin, Transboundary Perspective	Two Master’s Thesis, One Bachelor’s Project Work
2018–2020	Curriculum Focus Person – Enhancing Green Economy in Three Countries of Asia (EGEA)	Erasmus+ Programme, European Union	1,00,00,000	Green economy and lifelong learning	EHD Curriculum Prepared
2019–2021	Curriculum Focus Person – SPHERA: Health Engineering Education in Asia	Erasmus+ Programme, European Union	1,00,00,000	Health engineering education	EHD Curriculum Prepared
2019–2021	Team Member – Water Quality Change Mechanisms in the Koshi River, Nepal	ITP-CAS, ICIMOD, CDES-TU	20,00,000	Koshi River Basin, Nepal	Two Research Article Published
2015	Team Member – Assessment of Ecosystem Services in Beeshazar and Associated Lakes, Chitwan	Ministry of Forest and Soil Conservation, NTNC	5,00,000	Wetland ecosystem services, Chitwan	Research Report
2015	Team Leader – Livelihoods and NTFPs in Gaurishankar Conservation Area	Rector’s Office, Tribhuvan University	1,00,000	Gaurishankar and Lamabagar VDCs, Central Nepal	One Master’s Thesis and One Article Published
2015	Team Member – Physio-Chemical Parameters of Phewa Lake	Institute of Science and Technology, Tribhuvan University	50,000	Phewa Lake, Pokhara	Research Report and One Article Published
2014	Team Leader – Conservation Area and Livelihoods: Api-Nampa Case Study	UGC Research Grants	2,00,000	Latinath and Khandeswori VDCs, Darchula District, Far-Western Nepal	Research Report and One Article Published

10. List of Supervisor/Co-Supervisor and Mentorship

1. Full Supervisor						
SN	Students Name	Research Title	Defense Year	Degree/Campus	E-mail	Outputs
1	Nanu Babu Khanal	Linkage Between Water Quality and Macrophytes of Betana, Lake Morang	2014	MSc/CDES	khanalnanu19@gmail.com	Published/Completed

2	Rabindra Jyakho	Water Resource Potential and Socioeconomic Impacts Assessment of the Proposed Upper Karnali Hydroelectric Project	2014	MSc/CDES		Completed
3	Pratibha Khatri	An Assessment of Vulnerability due to Climate Change: A Case of Rakachuli and Naya Belhani VDC of Nawalparasi District	2015	MSc/CDES	pratibhakhatri07@gmail.com	Completed
4	Bima Maharjan	Post Disaster Management with focus on Agriculture Land and Livelihood Improvement: A Case of 2008 Koshi Flood of Nepal	2014	MSc/CDES	bima.mhrz@gmail.com	Published/Completed
5	Krishna Wagley	Food Security under Changing Climate in Panchase aArea, Mid-Mountain Nepal	2015	MSc/CDES	krishnalwagle@gmail.com	Completed
6	Bhumika Thapa	Assessment of spring water quality in Jhimruk River Watershed, Lesser Himalaya, Nepal	2020	MSc/CDES	bhumikathapas1@gmail.com	Published/Completed
7	Muna Maharjan	Study on Payment for Ecosystem Services of Phewa Lake, Pokhara	2014	MSc/CDES	maharjanshreetisna@gmail.com	Published/Completed
8	Elisha Ghimire	Assessing Physiochemical Water Quality, Policy Measures and Fishing Threats To Mahseer (<i>Tor spp.</i>) in Karnali, Nepal	2024	MSc/Golden gate	ghimireelisha555@gmail.com / 9862072371	Completed
9	Sandhya Rijal	Contribution of Non-timber Forest Products to the Livelihood in Lamabagar VDC: A Case Study of Gaurishankar Conservation Area, Central Nepal	2014	MSc/CDES	sandhyarijal83@gmail.com	Published/Completed
10	Barsha Khanal	Comparative Assessment of Hydrochemistry of Jagadishpur Reservoir and Ghodaghodi (Nakrori) Lake, Western Nepal	2022	MSc/CDES	barsakhana130@gmail.com	Published/Completed
11	Alina Dangol	Hydrochemical Characterization of Batula Lake and Kailash River of Ramaroshan area, Sudurpashim Province, Nepal	2021	MSc/CDES	alinadang1581@gmail.com	Published/Completed
12	Prekshya Subedi	Hydrochemical Assessment of Mai Pokhari Lake, Province 1, Nepal	2022	MSc/CDES	subediprekshya09@gmail.	Completed

					com/9863653 855	
13	Bina Thapa	Hydrogeochemical Assessment of Ramaroshan Lake Complex, Sudurpaschim Province, Nepal	2022	MSc/CDES	bina.thapa.927@gmail.com mchirankaphle4676@gmail.com	Published/Completed
14	Chiranjibi Kafle	Hydrochemical Characterization and Water quality Assessment of the Syarpu Lake, Karnali Province, Nepal	2023	MSc/CDES	chirankaphle4676@gmail.com	Published/Completed
15	Ganga Paudel	Assessment of Seasonal Changes in Water Quality and Macroinvertebrates in the Ramsar-listed Ghodaghodi Lake, Nepal	2023	MSc/CDES	paudelganga303@gmail.com	Published/Completed
16	Shraddha Ranabhat	Hydrochemical Characterization and Water Quality Assessment of Chepe River, Marsyangdhi River Basin Gandaki Province Nepal	2024	MSc/CDES	shraddharanabhat27@gmail.com	Published/Completed
17	Bijaya Timilsina	Assessment of Soil Quality along Elevation Gradient of Seti River Watershed Pokhara Metropolitan City, Nepal	2023	MSc/CDES	timilsinabijaya20@gmail.com	Published/Completed
18	Susmita Tiwari	Assessment of Water Quality and Suitability for Drinking in Pokhara Metropolitan City, Gandaki Province, Nepal	2023	MSc/Golden gate	tiwarisusmita884@gmail.com	Published/Completed
19	Kshitiz Sharma	Flood Hazard Assessment using GIS Integrated Multi-Criteria Decision Analysis in Bagmati River Basin, Nepal	2024	MSc-EHD/CDES-IOST-TU	kshitij.sharma192@gmail.com	Completed
20	Prashant Paudel	Flood Vulnerability Assessment on Livelihood: A Case study of Hanumunte Corridor of Bhaktapur and Madhyapur Thimi Municipalities	2024	MSc-EHD/CDES-IOST-TU	paudyelprashant123@gmail.com	Completed
21	Amrit Subedhi	Landslide Susceptibility Assessment of Kushma Municipality, Gandaki Province, Nepal	2025	MSc-EHD/CDES-IOST-TU	iuseamritsubedi@gmail.com	Completed
22	Madhav Upadhyaya	Spatiotemporal Hydrochemical Dynamics and its Variation in Windward	2024	MSc/CDES	madhavupad haya3@gmail	Completed

		and Leeward Regions in the Marsyangdi River Basin, Gandaki Province, Nepal			.com/9843557355	
23	Somy Bhattarai	Hydrochemical Assessment and Environmental Implications of the Tamor River Basin in Central Himalayas, Nepal	2024	MSc/CDES ((Batch 19)	somybhattra1650@gmail.com / +9779863682300	Completed
24	Sagar Sitaula	Chemical Characterization and Spatial Distribution of Microplastics in the Surface Water of the Arun River Basin, Central Himalayas, Nepal	2024	MSc/CDES	sagar.aus4@gmail.com / 9862671697	Completed
25	Niru Basnet	Spatiotemporal Variation and Controlling Factors of Hydrogeochemistry and water Quality in the Arun River Basin Central Himalaya, Nepal	2024	MSc/CDES	basnetneeru07@gmail.com / 9844694955	Completed
26	Sita Phuyal	Chemical Characterization and Impact of Sand Mining in Surface Water Quality of the Trishuli River, Central Himalaya Nepal	2019	MSc/CDES	sitaphuyal223@gmail.com	Published/Completed
27	Sudip Paudel	Water Quality and Suspended Sediment Concentration Analysis of Mahakali River Basin	2021	MSc/CDES	sudip.paudel153@gmail.com	Completed
28	Jharna Nepal	Water Balance Modelling of the Chameliya Watershed using SPHY Glaciohydrological Model	2021	MSc/CDES	benjunepal@gmail.com	Completed
29	Dipa Sharma	Climate-Responsive Strategies for Ensuring Food Security along the Daraudi River, Marsyangdi River Basin, Gandaki Province, Nepal	2024	MSc/CAS	dipasharma754@gmail.com	Completed
30	Pabitra Adhikari	Status of Carbon Stock of Champadevi Community Forest, Kirtipur, Kathmandu				Completed
31	Karishma Maharjan	Assess the Composition of Solid Waste at Household Level in KRM				Completed
32	Kul Nepali	Impacts of Climate Change on the Livelihood of Local People: A Case from Jethal V.D.C., Sindhupalchowk District	2014	CDE/TU	kul.nepal2011@gmail.com	Completed
33	Pabitra Basnet	Integrating Ecosystem-based Adaptation in Environmental Science Education: A Case Study of Nepalese Higher Academic Institutions	2024	Two Semester, M.Ed. Science	basnetpabitra1987@gmail.com	Completed

34	Pratima Thapaliya	Climate Change Impacts on Local Livelihood and Potential Adaptive Measures: A Case Study on Jhapra VDC of Jajarkot District	2015	CDE/TU	ucprati885@gmail.com	Completed
35	Chiranjivi Chaulagain	Contribution of Non-Timber Forest Products to the Livelihood in Gaurishankar VDC, Dolakha	2015	GoldenGate International College	chiran.april21@gmail.com	Completed
36	Aashish Chapagain	Comparative Assessment of Hydrochemical Characteristics and Water Quality of the Bheri River and Rangun Watershed, Nepal	2025	M.Sc./CDE S	aashishchapa gain081@gmail.com	Pre-defense Completed
37	Dipika Khadka	Spring Water Assessment in Kamalamai Municipality, Sindhuli, Nepal	2025	MSc/CDES	dipikakhadka2025@gmail.com	Ongoing
38	Puja Puri	Hydrochemical Characteristics, Water Quality, and Governance Framework in the Seti River Basin, Sudurpaschim Province, Nepal	2025	M.Sc./CDES	puripooza@gmail.com	Pre-defense Completed
39	Samichhya Poudel	Hydrochemistry, Land Use/Cover Change and Governance Practices for Water Security in Tinau River Basin, Nepal	2025	M.Sc./CDE S	paudelsam123@gmail.com	Pre-defense Completed
40	Samiksha Pokhrel	Assessment of Hydrochemistry, Microplastic Contamination, and Water Governance in the Rapti River Basin, Lumbini Province, Nepal	2025	M.Sc./CDE S	Samikshapokhrel68@gmail.com	Pre-defense Completed
41	Smriti Ghimire	Occurrence and Risk Assessment of Microplastic Contamination of Leafy Vegetables Grown Using Wastewater Irrigation in Kathmandu Valley	2025	M.Sc./CDE S	smi.ghimire98@gmail.com	Ongoing
42	Ganesh Rijal	Climate Change Impact on Livelihoods and Adaptation Strategies Along Netrawati River Basin Dhading District	2025	M.Sc. EHD/CDES	grtganesha@gmail.com	Ongoing
43	Saroj Bakhati	Flood Susceptibility Mapping and Its Relation to Land Cover Change in Chandragiri Municipality, Kathmandu	2025	M.Sc. EHD/CDES, TU	bakhati.saroj2@gmail.com	Ongoing
44	Yagya Raj Bhatt	Impacts of Climate Change on Highland Water Sources and Livelihoods of Sheep Herders in the Western Himalayas, Nepal	2025	M.Sc./CDE S	yagyarajbhatta2233@gmail.com	Ongoing

45	Suman Parajuli	Assessment of Rangeland mapping and traditional grazing practices in relation to the herbage-soil-water nexus in Gaurishanker Rural Municipality, Gaurishanker Conservation Area, Central Nepal.	2025	M.Sc./CDES	sumanparajuli220@gmail.com	Ongoing
46	Sabin Kunwar	Challenges and Opportunities in Managing Local Floods in Ward of Kathmandu Metropolitan City, Kathmandu		MA-Crisis Management	sabinkunwar@tuicms.edu.np	Ongoing
47	Nandani Pari Ghimire	Wastewater Treatment by Phytoremediation in a Constructed Wetland	2014	M.Sc. Env/Khwopa College	paridhi_ranu@yahoo.com	Completed
48	Ashok Dulal	Assessment of Biogas Potentiality on Chimdi VDC of Sunsari District	2016	M.Sc. Env./CDES	meashok88@gmail.com	Completed
49	Naresh Lama	Economics of REDD Implementation: A Case Study of Bandevi Shanti CF of Lalitpur, Nepal	2016	M.Sc. Env./CDES	naresh_lama15@yahoo.com	Completed
2. Co-supervisor						
50	Chandra Bahadur Sunar	Hydro-Geochemistry and Amphibian Assemblage of Kupinde Lake, Salyan District, Nepal	2022	M.Sc. /Zoology	chandansunar27@gmail.com	Completed
51	Punam Phuyal	Hydrochemical Characterization, Water Quality and its Impacts on Diatoms of the Dordi River, Gandaki Province, Nepal	2024	M.Sc./Botany	poonamfuyal1@gmail.com	Paer published on Journal: Watershed Ecology
52	Geeta Bhusal	Status, Distribution and Threats of Bos Gaurus Gaurus (Smith, 1827) in Parsa Wildlife Reserve	2014	MSc- ENV/CDES	bhusalsister@gmail.com	Completed
53	Umesh Basnet	status and distribution of Endemic, Rare and Endangered Plant Species of Panchase, Nepal	2015	MSc- ENV/CDES	askme_100@yahoo.com	Completed
54	Ram Chandra Dhama	Status of Community Forest and Its Resource Use Pattern in Panchase, Nepal	2014	MSc- ENV/CDES	dhami.ram70@gmail.com	Completed

55	Ranjita Thapa	Strategic Environment Assessment as Vector of Sustainable Approach A study of Budhi Gandaki Hydroelectric Project, Nepal	2014	MSc-ENV/CDES	ranjuart_7@yahoo.com	Completed
56	Diwakar Adhikari	Assessment of Sediment Load and Sediment Transport Mechanisms in Himalayan river: A Case Study of Marsyangdi River Basin	2024	CDES	thisisdwakr@gmail.com	Manuscript submitted/Completed
57	Bimala Rawal	Estimation of Carbon Stock at Samaiji Community Forest, Kailali	2013	CDES/TU	rawalbimala@yahoo.com	Completed
58	Sabina Khanal	Disposal and Recovery Practices of Lead Acid Battery used in Solar Home System (SHS) in Nepal	2014	CDES/TU	skhanal234@gmail.com	Completed
59	Pratistha Pyakurel	Study the Ecological Footprints in Built-up Settlements and Squatter Settlements in Ward Number 29 of Kathmandu	2014	CDES/TU	pratistha.pyakurel@gmail.com	Published /Completed
60	Bhawana Sapkota	Assessment of Land Use/Land Cover Change on the Water Quality of Bagmati River Basin, Nepal	2019	CDES/TU	bhawanasaPKota123@gmail.com	Published /Completed
61	<u>Rupesh Bohara</u>	Sediment Yield and Transport in the Upper Reaches of Koshi River Basin, Nepal	2024	CDES/TU	ryeswin21@gmail.com	Manuscript Submitted/Completed
62	Bhabisara Shahi	An Assessment of Current Energy Consumption Pattern and GHGs Emission: A Case from Latikoili VDC of Surkhet District, Nepal	2014	CDES/TU	acasmitta246@gmail.com	Completed
63	Ram Chandra Subedi	Climate Variability and Livelihoods of the Farmers in Rural Chisapani, Ramechhap of Nepal	2014	CDES/TU	rcidebus600@gmail.com	Completed
64	Laxmi Awasthi	Sustainability of Organic Agriculture in the Context of Climate Change Adaptation and Food Security: a Case Study of Shankarpur VDC of Baitadi District	2016	CDES/TU	awsthilaxmi@gmail.com	Completed
65	Parashuram Bhandari	Impact of Climate Change and Adaptation Strategies on Livestock in Gandaki River Basin, Nepal	2014	CDES/TU	parashu.bhandari@gmail.com	Completed

3. PhD/M.Phil. Supervisor/Cosupervisor						
66	Youb Raj Bhatt	Assessment of Road Environment and Driver's Attributes to Road Safety along the Selected Highways in Nepal	2019	PhD/CDES	bhattayoub@gmail.com	Ongoing
67	Sunita Paudel	Chromolaena Odorata Invasion and Its Impact on Native Vegetation in Drought-Prone Areas, Ramechhap, Nepal	2021	PhD/CDB	sunitapaudel628@gmail.com	Internal Defense
68	Bhumika Thapa	Health Assessment of Spring Sources of Western River Watershed, Nepal		PhD/University of Copenhagen	bhumikathapas1@gmail.com	Ongoing
69	Sajan Puri	Ecological Dynamics of Pastoralism and Climate Change in the Marsyangdi River Basin of Gandaki Province, Nepal	2025	PhD/CDES	purisajan23@gmail.com	Ongoing
70	Saroj Nepal	Hydroecological Dynamics, Climate Change, and Governance of Springshed Systems along the Kaligandaki Basin, Leeward Himalayas, Nepal	2025	PhD/CDES	sarojnepal25@gmail.com	Ongoing
71	Suresh Ghimire	Efficiency of Disaster Management Practices in Godawari Municipality	2025	M.Phil/CDRD	sureshghimire78623@gmail.com	Ongoing
4. Mentorship to Mini Research Work						
72	Khadka Bahadur Pal	Chemical and Microbial Characterization of Water Quality in Balaju Pokhari and Gahana Pokhari, Kathmandu, Nepal	2025	IOST/Tri-Chandara Multiple Campus	khadka.pal@gmail.com	Ongoing
73	<u>Anjal Mahat</u>	Evaluation of Water Quality for Drinking and Irrigation Based on Physicochemical and Microbial Parameters in the Monsoon Season: A Case Study of the Tinau River Basin, Lumbini Province, Nepal	2025	IOST/Patan Multiple Campus	anjalmahat@gmail.com	Ongoing