

## Bio-Data

**PAWAN KUMAR NEUPANE (Mr)**

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Google scholar:

<https://scholar.google.com/citations?user=7IUtOwIAAAAJ&hl=en>

Research gate:

[https://www.researchgate.net/profile/Pawan\\_Neupane](https://www.researchgate.net/profile/Pawan_Neupane)

### Research Interest Areas

Natural resources and watershed management, environmental modeling, climate change, groundwater, environmental policy

### Academic Profile

- M.Sc. (Environmental Science) - Distinction, 2005-2009 AD [Tribhuvan University, Kritipur, Kathmandu, Nepal]
- B.Sc. (Environmental Science) - First Division, 2002-2005 AD [Khwopa College, Bhaktapur, Nepal]
- +2 level - First Division, 2002 AD [Rastriya Higher Secondary School, Lalitpur, Nepal]
- S.L.C. - First Division, 2000 AD [Shree Om Secondary School, Bhaktapur, Nepal]

### Working Experiences

- Senior Scientific Officer, Nepal Academy of Science and Technology, February 2023 to till date and Scientific Officer, December 2012 to January 2023

*Environmental research, climate change knowledge management, proposal development, project management and outreach programs on climate change*

Besides Research and Outreach Program on environmental issues and climate change, active involvement in the following projects:

- i) Implementation of Urban Ecosystem based Adaptation Research Activities in collaboration with Kathmandu Valley Development Authority, Government of Nepal, 2024-2026
- ii) Ecosystem based Adaptation Research Grants Management in collaboration with Ministry of Forests and Environment, Government of Nepal, 2022-2024
- iii) Development of Food Green City Web Portal with technical and financial support from United Nations Development Program (UNDP), 2023
- iv) Climate Change Research Grants Management in collaboration with Asian Development Bank (ADB), 2014-2016
- v) Support to Strengthening NCKMC Project (No cost extension phase), In collaboration with Climate and Development Knowledge Network (CDKN), 2011
- vi) Development of Climate Risk Management Toolkits and IEC Materials for Sub-national stakeholders, media and students in collaboration with United Nations Development Program (UNDP), 2012

- **Program Presenter (Part Time: Recorded/Live)** Gorkha FM 93.0MHz, January 2012 to May 2014  
*Conducting a weekly radio program named **Prakriti** on Environment Conservation and Climate Change*
- **Researcher**, Resources Himalaya Foundation, July -November 2012  
*Research on Non-timber forest products and report preparation*
- **Assistant Research Fellow** at Nepal Academy Science and Technology, April 2011-April 2012
  - **Researcher** on Lake Dynamics and Climate Change
  - **Coordinator** Climate Change Research Grant Program in Nepal Climate Change Knowledge Management Center (NCKMC)-A Project Supported by Climate and Development Knowledge Network (CDKN)
  - **Editor:** Nepal Climate Update, An e-Bulletin of NCKMC
  - **Team Member** Development of Climate Risk Management Toolkits for mainstreaming CRM on sectoral developmental plans- A Project Supported by United Nations Development Programs (UNDP)
- **Program Coordinator** at Holistic Development Service Center (Branch office Dhading) - April 2010- January 2011  
*Community mobilization of poor rural people*
- **Research Assistant** at National Lake Conservation and Development Committee (NLCDC), August 2008- August 2009  
*Lake Information Management, Enumeration of Lakes of Nepal and Appreciative Inquiry with NGOs and INGOs*

## Publications

1. Tark Raj Joshi, Satyam Kumar Chaudhari, Prakriti Koirala, Mahesh Prasad Awasthi, SudeepThakuri, Ramesh Raj Pant, Kumari Tulshi Bhatta and **Pawan Kumar Neupane**. 2023. Assessing the Climate Change Vulnerability of the Communities Residing in Doda River Basin, Far Western Nepal. Nepal Journal of Science and Technology Vol 22 (1). 129-143
2. **Pawan Kumar Neupane**, Sunil Babu Shrestha, Dipesh Rupakheti , Dev Raj Joshi and Tista Prasai Joshi. 2022. A short-term measurement of PM<sub>2.5</sub> concentration during the COVID-19 lockdown period in Kathmandu Valley. Nepal Journal of Science and Technology Vol 21 (1).
3. **Neupane, P.K.** and R. Tachamo Shah. 2021. Research in Environment and Climate Change. In: Nepal Science and Technology Report (Eds. DR Bhujju, R Adhikari, N Subba-Chhetri). A Report Submitted to MoEST and NAST, Kathmandu
4. Bimala Devi Devkota Poudel and **Pawan Kumar Neupane**. 2020. A Study on the Status of Air Pollution and its Impacts in Nepal. In: Air Pollution and Public Health: Challenges, Interventions and Sustainable Solutions (Eds: N.S. El-Gendy & V. Mathur),413-424 pp. Centre for Science & Technology of the Non-Aligned and Other Developing Countries (NAM S&T Centre), India
5. **P.K. Neupane**, N.C. Mondal and A. Manglik. 2020. Envisaging the sustainability of an aquifer by developing groundwater flow model for a part of Choutuppal Mandal, Nalgonda district, Telangana, India. Nepal Journal of

- Science and Technology 19 (1): 222-233.
6. **Sub-Editor** of NAST, 2023. Status of Climate Change in Nepal: Impacts and Adaptation Initiatives (In Nepali language). Nepal Academy of Science and Technology-Nepal Climate Change Knowledge Management Centre
  7. **Editor** of NAST, 2016. Building Knowledge for Climate Resilience in Nepal: Research Briefs. Nepal Academy of Science and Technology. Supported by Government of Nepal, Ministry of Population and Environment and Asian Development Bank
  8. **Contributing Author** of NAST and OPML, 2016. Understanding Demand and Supply of Climate Change Knowledge Management in Nepal. Nepal Academy of Science and Technology, Nepal, Oxford Policy Management Limited, India and Action on Climate Today Initiative
  9. **P.K. Neupane**, M. Khadka and R. Adhikari, 2010. Lake Water Quality and Surrounding Vegetation in Dry Churiya Hills, Far-Western Nepal. Nepal Journal of Science and Technology 11 (2010). 181-188.
  10. Bhujju, U.R., M. Khadka, **P.K. Neupane** and R. Adhikari, 2010. A Map Based Inventory of Lakes in Nepal. Nepal Journal of Science and Technology 11 (2010). 173-179.

#### 11. *Research Reports:*

- a. **Neupane, P.K.** 2019. Understanding Groundwater Modeling and Electrical Resistivity Tomography- Research Report, Submitted to Department of Science and Technology (DST), India, Centre for Co-operation in Science & Technology among Developing Societies (CCSTDS)
- b. Duwal, S., B.D. Devkota, and **P.K. Neupane**. 2017. Vulnerability Assessment of Climate Change of Pokhari Narayansthan, Kavrepalanchowk District, Nepal- Report, Submitted to Nepal Academy of Science and Technology (NAST).
- c. Development of Climate Risk Management Toolkit-A Report. 2014, Submitted to United Nations Development Program (UNDP), Nepal
- d. Bhujju, U.R., M. Khadka, **P.K. Neupane** and R. Adhikari, 2010. Lakes of Nepal: 5358 - A Map Based Inventory National Lakes Strategic Plan Preparation(Report):  
<http://ntnc.org.np/sites/default/files/publicaations/lake1.pdf>

#### 12. *Books and Book Chapters*

- a. **Editor and Book Chapter Writer** of NAST-NCCKMC, 2016. Fundamental Knowledge on Climate Change (In Nepali Language). Nepal Academy of Science and Technology-Nepal Climate Change Knowledge Management Centre
- b. **Editor** of NAST-NCCKMC, 2017. Climate Change Quiz Book for High School Students (In Nepali Language), 2<sup>nd</sup> Edition. Nepal Academy of Science and Technology-Nepal Climate Change Knowledge Management Centre
- c. **Editor** of NAST-NCCKMC, 2015. Collection of Brief Information on Climate Change for School Students (In Nepali Language).Nepal Academy of Science and Technology-Nepal Climate Change Knowledge Management Centre

## Trainings

1. **Regional Training on Earth observation and geospatial information technology for forest carbon monitoring**, 14-18 August 2023 (5 days), Organized by ICIMOD, AIRCAS, NAST, AOGE, ANSO, Kathmandu Nepal
2. **Regional Training on Forest carbon assessment using Earth observation and geospatial information technology**, 14-18 November 2022 (5 days), Organized by ICIMOD, AIRCAS, NAST, AOGE, ANSO, Kathmandu Nepal
3. **Training on Ecosystem based Adaptation Planning for Government Officials**, 27 September - 1 October 2021 (5 days), Organized by Ministry of Forests and Environment (MoFE), Nepal
4. **Research and Proposal Writing in the Sciences**, 8 September-2 November 2020 (8 weeks), AuthorAID project coordinated by INASP. Verification of the authenticity of the certificate:  
[moodle.inasp.info/mod/customcert/verify\\_certificate.php](https://moodle.inasp.info/mod/customcert/verify_certificate.php) and enter the code: FzF115k2JJ
5. Trainee research student on **Groundwater flow modeling using Visual MODFLOW and groundwater exploration applying Electrical Resistivity Tomography (ERT) survey technique** as Indian Science Research Fellow under Indian Science Research Fellowship (ISRF) grant, October 01, 2018-February 02, 2019, Council of Scientific and Industrial Research (CSIR)-National Geophysical Research Institute (NGRI), Hyderabad, India
6. **Managing Risk in the Face of Climate Change** (10 days), Organized by Wageningen University, Netherland, March 19-30, 2018, Bangkok, Thailand
7. **Professional Training on Geographic Information System (GIS)** from Broadway Infosys Nepal, November 5-December 13, 2017, Kathmandu, Nepal
8. **Computerized Training in Advanced GIS Processing Using Arc GIS and Remote Sensing Using IDRISI**, Organized by Nepal Academy of Science and Technology in Coordination of Bristol Training and Research Center, January 22-February 6, 2014, Lalitpur, Nepal
9. **Third Summer School in Climate Change Adaptation (One Week)**, Organized by ISAS, HICAST and Mid-Western University in collaboration with USAID, WWF, CARE, FECOFUN and NTNC, Kathmandu, Nepal, July 17-July 22, 2012, Lalitpur, Nepal
10. **Three Days Science Writing Training- Workshop**, Organized by Nepal Academy of Science and Technology, June 29-July 1, 2011, Lalitpur, Nepal
11. **English for Business Communication: Professional Writing and Presentation Skills (One Month)**, Organized by American Language Center, Kathmandu, June 20-July 20, 2012, Kathmandu, Nepal
12. **Proposal and Report Writing (One Week)**, Organized by Environmental Professionals' Training and Research Institute, EPTRI, Kathmandu, Nepal, September, 2012, Kathmandu, Nepal
13. **Professional Career Development Training on NGO and Personal Leadership (Six Months)**, Organized by ICA, Kathmandu Nepal, September 22-December 21, 2010, Kathmandu, Nepal
  - *Facilitation Skills and Participatory Strategic Planning*

- *Project Proposal Writing and Fund raising/Research in NGO Sector/Logical Framework/Report Writing, Participatory Rural Appraisal (PRA) and Participatory Monitoring and Evaluation*
  - *Trainer's Training (ToT) and Presentation Skills*
  - *Leadership and Management, Organizational Transformation, Appreciative Inquiry and Social Artistry*
12. **Advanced Training on Environmental Impact Assessment (One Week)**, jointly organized by Central Department of Environmental Science, TU and School of Environmental Management and Sustainable Development (SchEMS), Pokhara University, Nepal, July 1- July 15, 2007, Kathmandu, Nepal

## Online Courses

1. **UT.7.10x: Foundation of Data Analysis, Part I: Statistics Using R**, a course of study offered by UT Austin X, an online learning initiative of The University of Texas through edX. February 24-March 15, 2016.  
Authenticity: <https://courses.edx.org/certificates/8a1f31c8ca414802bb115053e048bd2>
2. **Stat2.1x: Introduction to Statistics: Descriptive Statistics**, a course of study offered by BerkeleyX, an online learning initiative of The University of California at Berkeley through edX. Jan 01-April 01, 2013.  
Authenticity: <https://verify.edx.org/cert/ce40c74ea4a64d4686130bea6bd22f7d>
3. **PH278x: Human Health and Global Environmental Change**, a course of study offered by HarvardX, an online learning initiative of Harvard University through edX. May 15-August 15, 2013.  
Authenticity: <https://verify.edx.org/cert/e203da465a964f37a2b259370e87e1d4>

## Membership

- **Life Member**, Association of Global Groundwater Scientist, India, Since 2018
- **Member**, Environmental Conservation Forum, Bhaktapur, Nepal, Since 2023
- **Joint Secretary** of Environmental Conservation Awareness and Research Foundation (EnCARF-Nepal), Kritipur, Kathmandu, Since 2010