

BINOD P. HEYOJOO

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Place of Birth: Palpa District, Nepal

Date of Birth: 02-12-1969

Marital Status: Married - Male

Nationality: Nepali

Hobbies: Teaching / Learning & Traveling

OBJECTIVES

To get an opportunity to contribute to society by using multidisciplinary knowledge, training and skills

PROFESSIONAL WORK EXPERIENCE

	Institute of Forestry (IOF), Pokhara, Nepal
January 2016 – Till now	<u>Professor</u> <ul style="list-style-type: none">•Teaching & Conducting practical classes on courses (FPE 351 Forest Surveying & FPE 508 Forest Engineering) to BSc Forestry students.•Teaching part of 4 week long modular course on WME 802 Geographical Information Science at MSc Forestry, MSc NRMD & MSc WM students and WME 756 Soil and Water Conservation Engineering
January 2022 – Till now	<u>Project Counterpart of TC Project INT5156 "Building Capacity and Generating Evidence for Climate Change Impacts on Soil Sediments and Water Resources in Mountainous Regions"</u> <ul style="list-style-type: none">•Facilitating and administering the project activities in Nepal.
June 2020 – Jan 2025	<u>Campus Chief</u> <ul style="list-style-type: none">• Overseeing the comprehensive administration of academic and non-academic operations to ensure the delivery of quality education. During this tenure, the campus was honored as the only institution in Nepal specializing in Forestry and Agricultural higher education to receive the prestigious Quality Assurance and Accreditation (QAA) award, recognizing its excellence in academic standards and institutional development.
July 2018 – June 2020	<u>Head, Department of Forest Products and Engineering, IOF, Pokhara campus</u> <ul style="list-style-type: none">•Assisting the campus administration in academic and administrative matters for day-to-day functioning.•Administering teaching and students' research/project work under the department.
April 2017 – September 2017	WFI International Fellow, World Forestry Centre, Portland, Oregon, U.S. <ul style="list-style-type: none">•Focusing research on Enhancing Nepal's forest fire management capability through the developed country's experience.
March 2011 – December 2015	Institute of Forestry (IOF), Pokhara, Nepal <u>Reader</u> <ul style="list-style-type: none">•Teaching & Conducting practical classes on courses (FPE 402 Forest Surveying & FPE 501 Forest Engineering) to BSc Forestry students.•Coordinating & Teaching 4 week long modular course on GIS (WME 802 Geographical•Teaching both theoretical and practical aspects on GIS (WME 603 GIS Application in Natural Resources Management) to BSc Forestry students•Teaching partial units in the field of Soil Conservation Engineering and Watershed Rehabilitation (WME 709 Soil Conservation Engineering and Watershed Rehabilitation) to MSc WM students
March 2011 – December 2015	<u>Civil Engineer</u> <ul style="list-style-type: none">•Design, estimate, contract document preparation & construction supervision of construction work of staff quarter and other maintenance works inside the IOF

	<ul style="list-style-type: none"> •Design, estimate of renovation & remodeling of conference halls, mentoring center, faculty commons of Pokhara & Hetauda campus for MemCoe project (USAID funded)
August 1994- February- 2011	<p>Institute of Forestry (IOF), Pokhara , Nepal <i>Lecturer</i></p> <ul style="list-style-type: none"> •Teaching, and conducting field practicals to BSc forestry students in the field of Forest Surveying and Forest Engineering (FPE Forest Surveying & FPE 501 Forest Engineering) •Conducting field observation tours around and outside the country for BSc forestry students. •Application of ICT-based resources in teaching and learning environment. •Application of QA frame work in the teaching; course evaluation, teaching evaluation •Coordinating_ the BSC & MSc Forestry, MSc NRMD & MSc WM research paper presentation <p><i>Civil Engineer</i></p> <ul style="list-style-type: none"> •Design, estimate, construction supervision of construction work of ladies hostel, toilets & water supply management and other maintenance works inside the IOF
June. 1993 – Apr. 1994	<p>Silt Consult (Pvt.) Ltd., Kathmandu, Nepal <i>Civil Engineer</i></p> <ul style="list-style-type: none"> •Responsible for design, estimate, drawing of Dumre-Beshisahar Road Project (>30km) funded under World Bank assistance.
Apr. 1994 – July 1994	<p>CMS Pvt. Ltd. , Kathmandu, Nepal <i>Civil Engineer</i></p> <ul style="list-style-type: none"> •Implementing the construction of rehabilitation of small scale Irrigation system in partnership with local users funded under Swiss Development Cooperation.

EDUCATION

2010 – 2011	Centre for Space Science and Technology Education in Asia and The Pacific (CSSTEAP) Affiliated to the United Nation), Indian Institute of Remote Sensing (IIRS), Dehradun, India Post Graduate Diploma in Remote Sensing and Geographic Information System with <u>Distinction position</u>
2002-2004	Impact International College, Reading, UK Level 2 Diploma for IT Users E-QUALS, City & Guild Course <ul style="list-style-type: none"> • Presentation Graphics, Spreadsheet, Database & Word Processing – <u>Distinction position</u>
2000-2001	School of Construction Management and Engineering, The University of Reading, UK M. Sc. in Construction Management with <u>Distinction position</u>
1989-1993	Institute of Engineering, Pulchowk Campus, Tribhuvan University, Kathmandu, Nepal Bachelor in Civil Engineering (B.E.) (4 years course) with <u>First Division</u>

SKILLS GAINED

Organizational	Organizational skills including ability to plan work and meet deadline; report progress and the findings of the field works
Research and presentation	Analytical and abstract conceptualization skills; critically analyze data, write reports, and deliver oral presentations
Language	Proficient in written and spoken English, Nepali, Hindi

Computer Application	ArcGIS, ERDAS Imagine, Auto CAD, ICT based teaching & learning tools CMS, MS Window ,and MS Office (Word, Excel, PowerPoint, Access)
English Proficiency	IELTS Score: Overall 6.0 with 7.0 in speaking in August 1999.

TRAININGS/WORKSHOPS/SEMINARS

TRAINING	
Sept. 1995 – Till to date	Conducted more than 10 trainings to faculty/student, practitioners on capacity development Coordinated more than 10 trainings on different topics including “ Survey, Design and Cost Estimation for Watershed Management structure ” Participated more than 20 national & international training on different topics
WORKSHOP/CONFERENCE	
June 1993 – Till to date	More than 20 research paper presented on national / international workshop/conference Participated in more than 20 national/international conference/workshop
SEMINAR	
January 2008 – Till to date	Delivered more than 25 talks on various issues in national and international forum

SCHOLARSHIPS & AWARDS

April 2017	World Forest Institute International Fellowship Program 2017 scholarship to attend 6 months fellowship program at World Forestry Center, Portland, Oregon, USA
November 2015	Himalayan University Consortium (HUC)/ICIMOD Faculty, Staff and Student Mobility 2015 Grant to visit Kunming Institute of Botany (KIB) & Institute of Mountain Environment Hazards and Environment (IMHE), China
November 2014	ERASMUS MUNDUS funded Expert Sustain Consortium Grant for one month Academic Staff Exchange to Department of Geography and Geology, University of Turku, Finland
April 2010	Centre for Space Science and Technology Education for Asia and the Pacific (CSSTEAP) scholarship for 9 months PG Diploma Course on RS&GIS in IIRS, Dehradun, India

RESEARCH EXPERIENCE:

January 2025 – Till now	Serving as a GIS/Civil Engineering Expert on the project “ Quantifying Hydrological Processes in Two Contrasting Forest Types in Nepal’s Mid-Mountain and Churia Regions for Improved Prediction of Water Yields under Climate Change. ” The project is being implemented at the Institute of Forestry (IOF) with funding support from the University Grants Commission (UGC), Nepal
April 2018 – Sept 2020	Worked as a senior researcher (GIS/Engineer) on “ Spring Assessment and Revival Project (SARP) ” awarded by WWF Nepal, Kathmandu, Nepal
April- July 2019	Worked as team member leading on theme of Watershed/ river training Land use survey and mapping on “ Impact Evaluation of the President Chure-Tarai Madhesh Conservation Development program (PCTMCDP) ” awarded from PCTMCDP, Kathmandu, Nepal
April 2013- March 2018	Worked as GIS Activity Coordinator on “Enhancing livelihoods and food security from agroforestry and community forestry in Nepal” EnLiFT Project funded by ACIAR (Australia), 2013-2018. The project is collaboratively implemented in Lamjung and Kavre district of Nepal

	by UoA & UoNSW from Australia, ICRAF from Indonesia and IUCN, DOF, IOF, FAN, NFA, Search Nepal, FECOFUN from Nepal.
July 2015	Final project report prepared and submitted on “ Assessments of climate change indicators & disaster vulnerable groups and their adaptation priorities due to impact of Climate Change: A Case Study of Seti Khola Sub-watershed of Kaski District ”, small research grant awarded from NORHED SUNREM-Himalaya Project, IOF, Pokhara Nepal.
July 2013	Final project report prepared and submitted on “ Geo spatial modelling for fire hazard mapping and management ” small grant program awarded from SERVIR Himalaya SGP Program at ICIMOD. Also contributed on preparing and submitting 7 intermediate short reports and 3 forest fire management plan of Pragati, Jamuna and Jana Pragati CF of Chitwan District as part of project outputs.
March 2015	Worked as committee member with responsibility to address in infrastructure issues for preparing “ The strategy plan of IOF Pokhara campus ”. Prepared the restructuring plan report and strategy plan report of the campus
March 2011	Final research report prepared on “ Estimation of above ground phytomass and carbon in tree resources outside the forest (TROF): A geo-spatial approach ” (An individual pilot project under taken to fulfill the requirement of PG Diploma in RS&GIS
June 2001	Final research report prepared on “ Environmental Impact Assessment of Rural Road in Nepal ” (An individual project (Dissertation) undertaken to fulfill the requirement of Graduates Degree in Construction Management
June 1998	Training Manual prepared on “ Survey, Design and Cost Estimation for Watershed Management ” for Nepal-Denmark Watershed Management Project.

MSC. STUDENT RESEARCH GUIDANCE

As a Principle Advisor

August 2006 – Till to date	Guided more than 25 bachelor and master degree students for their research work as a partial fulfillment of curricula.
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PUBLICATION

RESEARCH ARTICLES OF THE LAST 10 YEARS

- Bhandari, K., Upadhaya, S., Yadav, N.K., Poudel, P., **Heyojoo, B.P.**, Timilsina, Y.P., Koirala, P., 2024, *What factors drive wildlife-vehicle collisions on highways? A case study from Western Nepal*, Journal for Nature Conservation, Volume 81, 2024. <http://doi.org/10.1016/j.jnc.2024.126678>.
- Raymajhi, S., Pokharel, R.K., Tiwari, K.R., **Heyojoo, B.P.** Chhetri, B.B. and Kandel, P.N. ,2019, *An Assessment of the President Chure-Tarai Madhesh Conservation Development Program*, Forestry, Journal of Institute of Forestry, Vol 16, November 2019, pp 101-110. <http://doi.org/10.3126/forestry.v16i0.28362>.
- **Heyojoo, B.P.** Yadav, N. and Subedi, R.,2017, *Assessments of Climate Change Indicators, Climate Induced Disasters and Community Adaptation Strategies: A Case from High Mountain of Nepal, Book chapter-9 on Land cover change and its eco-environmental responses in Nepal*, Springer Geography, 2017, pp 203-221. http://doi.org/10.1007/978-981-10-2890-8_9.

- Ojha, H., Shrestha, K.K, Subedi Y.R., Shah R., Nuberg I. K., **Heyojoo B. P**, Cedamon E., Tamang S., Paudel, K.P., Rigg, J., Malla Y, McManus, P., 2017, *Agricultural land underutilization in the hills of Nepal: Investigating socio-environmental pathways of change*. Journal of Rural Studies, Vol 53, July 2017, pp 156-172. <http://doi.org/10.1016/j.jrurstud.2017.05.003>.
- **Heyojoo, B.P.** and Bhandari K., 2015, *Assessment of Community-based Forest Fire Management Practices (A case study of Naubise-Bokedhunga Community Forest, Nuwakot District, Nepal)*, Srijana, annual publication of IOF Pokhara Campus
- **Heyojoo, B.P.**, 2015, *Map Projection System: Case of Nepal*, article accepted for The Prabhat, Forestry & Literature, annual publication of ANNFSU campus committee, IOF Pokhara campus, 2015
- **Heyojoo, B.P.** 2015, *Nepal's 2015 earthquake: A wakeup call for enforcing earthquake resistance construction*, article published on souvenir of 18th installation ceremony of Rotary Club of Pokhara, August 2015, pp 46-50.
- **Heyojoo, B.P.**, 2015, *Mapping community forestry area with Google Earth*. Bimba, Publication on Forestry & Literature, annual publication of NSU campus committee, IOF Pokhara campus , April 2015, Vol 20, pp 17-21.
- Pandey, D., **Heyojoo, B.P.** and Shahi H.,2014, *Drivers and Dynamics of Land Use Land Cover in Ambung VDC, Tehrathum District, Nepal*, Banko Jankari, May 2014, Vol. 26 No. 1, pp. 90-96. <http://doi.org/10.3126/banko.v26i1.15508>
- **Heyojoo, B.P.**, 2014, *Geomatics in Nepal's Forestry Education: Issues, Challenges & Way Out*, Proceeding of SAARC Expert Group Meeting on Use of Geographic information System (GIS) in Forest Management in South Asian Countries, 27 & 28 November, 2014 Pokhara, Nepal organized by SAARC Forestry Centre (SFC), Bhutan and IOF/TU Nepal, December 2014, pp 9-18.
- Yadav, N.K. and **Heyojoo, B.P.** 2014, *Assessing Land Use Dynamics with Climate Change Indicators (A Case Study of Madi Khola Sub-watershed of Kaski District)*, Proceeding of International Conference on Forests, Soil and Rural Livelihoods in a Changing Climate Kathmandu, 27-30 September, 2014 Kathmandu, Nepal organized by University of Life Science, Norway; Kathmandu University; Department of Forest Research Survey; Nepal Agroforestry Foundation and Forest Action Nepal, December 2014, pp 127-144.
- Das, S.K. and **Heyojoo, B.P.** 2014, *Assessment of Aboveground Phytomass and Carbon in Trees outside Forest of Middle Mountain Landscape: A Remote Sensing and Ancillary Data Based Case Study in Panchase Area of Nepal*, FORESTRY. Journal of The Institute of Forestry (Special issue on Biodiversity Conservation), September 2014, Vol 14, pp 121-146. <http://doi.org/10.3126/forestry.v14i0.44974>.
- **Heyojoo, B.P.** and Takhachhe P., 2014. *An Assessment of Lake Area Shrinkage through Geospatial Approach: Case study of Phewa Lake of Kaski District, Nepal*. International Journal of Multidisciplinary and Current Research, July/August 2014, Vol.1, pp. 725-728. <http://doi.org/10.14741/ijmcr/v.2.4.25>.
- **Heyojoo, B.P.** and Nandy S., 2014. *Estimation of above ground phytomass and carbon in tree resources outside the forest (TROF): A geo-spatial approach*. Banko Jankari, May 2014, Vol. 24 No. 1, pp. 34-40. <http://doi.org/10.3126/banko.v24i1.10982>
- **Heyojoo, B.P.** and Sharma, R.P., 2013, *Rural road-induced sedimentation: Severity and local perception in the Phewa Watershed, Kaski District, western Nepal*, Journal of Nepal Geological Society, June 2013, Vol. 46, pp. 171-178. <http://doi.org/10.3126/jngs.v46i0.11593>.

- Bhatt, B.P., Awasthi, K.D., **Heyojoo, B.P.**, Silwal, T. and Kafle, G. 2013. *Using Geographic Information System and Analytical Hierarchy Process in Landslide Hazard Zonation*. Applied Ecology and Environmental Sciences, 2013, Vol. 1, No. 2, pp.14-22. <http://doi.org/10.12691/aees-1-2-1>.
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NEWSPAPER ARTICLE:

Heyojoo, B.P. , Bhattarai S. and Subedi R., 2020.Effectiveness of online classes in Nepal: What three teachers felt after an experiment?, Onlinekhabar, English Edition, Published on June 15th, Monday, 2020 11:03 AM (https://english.onlinekhabar.com/effectiveness-of-online-classes-in-nepal-what-three-teachers-felt-after-an-experiment.html?fbclid=IwAR3izd7TX4Kg8HAlm1fxdgl6D8XNqaPZHZcTJJQthaMuK_AnTJ06kRFwUc0#.XucRtLX4xKs.facebook)

PROJECT REPORTS

- Prepared reports of more than 10 project reports.

REFERENCES

Prof. Conghe Song
 Professor and Department Chair
 Department of Geography and Environment
 University of North Carolina at Chapel Hill,
 Chapel Hill, NC 27599, USA
 Email : csong@email.unc.edu

Dr. Gerd Dercon
 Head of Laboratory @ FAO/IAEA
 International Atomic Energy Association
 Viena, Austria
 Email: G.Dercon@iaea.org

Other references can be furnished upon request.
