



## Curriculum Vitae

<b>Name: Him Lal Shrestha</b>	<b>Contact</b> <b>Phone: 9841302139</b> <b>email:</b> <a href="mailto:hshrestha@gmail.com">hshrestha@gmail.com</a>	<b>Position: Associate Professor</b>	<b>Photo</b> 
<b>Education:</b> <b>PhD in Environment Science in 2015 from Kathmandu University</b> <b>MSc in Geoinformatics in 2003 from ITC, Netherlands</b> <b>BSc in Forestry in 2000 from IOF/TU, Pokhara</b>			
<b>Key Expertise area/s: GIS, Remote Sensing, Climate Change, Vulnerability assessment, Adaptation strategy, carbon accounting, MRV.</b>			
<b>Professional Experience:</b> <b>Associate Professor at Kathmandu Forestry College since 2018</b> <b>Technical Advisor in Association for Rural Development (ARD) for Climate Change projects since 2020</b> <b>GIS/RS Specialist for Ecosystem and Forest Type Mapping Project at FRTC, Nepal from 2019 to 2021</b> <b>GIS Expert in Municipal Finance and Capacity Building Project by EU at Town Development Fund from 2021 to 2022</b> <b>Mountain Restoration Specialist for EBA South Project at Ministry of Population and Environment from 2015 to 2016</b> <b>Remote Sensing Analyst at International Centre for Integrated Mountain Development (ICIMOD) from 2011 to 2014</b>			
<b>Date of joining KAFCOL: March 2018</b>			
<b>Subjects taught:</b> <b>M.Sc. GIS – GIS Introduction, Geospatial Analysis, Open GIS, Remote Sensing, Environmental Modelling</b> <b>M.Sc. NRM-RD – GIS and Remote Sensing application for the Natural Resource Management</b> <b>B.Sc. Forestry - GIS and Remote Sensing application for the Natural Resource Management</b> <b>Diploma in Forestry</b>			
<b>Supervision: more than 35 students</b>			
<b>Publication:</b> <b>Journals</b> <ol style="list-style-type: none"> <li>1 Dhakal, B., Chand, N., Shrestha, A., Dhakal, N., Karki, K. B., Shrestha, H. L., ... &amp; Kattel, R. R. (2022). How Policy and Development Agencies Led to the Degradation of Indigenous Resources, Institutions, and Social-Ecological Systems in Nepal: Some Insights and Opinions. <i>Conservation</i>, 2(1), 134-173.</li> <li>2 Sharma, L.N., Tamang, S.R, Poudel, Y.B., Subba, A., Timsina, S., Adhikari, B., Shrestha, H. L., Gautam, A.P., Kandel, D.R., Watson, M.F. and Paudel, N.S. (2021). Biodiversity Beyond Protected Areas: Gaps and Opportunities in Community Forest. <i>Journal of Forest and Livelihood</i>, 20(1): 45-61</li> </ol>			

- 3 Baral, S., Neumann, M., Basnyat, B., Sharma, R. P., Silwal, R., **Shrestha, H. L.**, ... & Vacik, H. (2021). Volume functions for Shorea robusta Gaertn. in Nepal. *Forestry: An International Journal of Forest Research*, 95 (3), 405-415
- 4 Shrestha, H. L.; Rai, A. and Dhakal, P. (2020) Assessment of above ground biomass of Trees outside Forest (TOF) in the Context of Climate Change, *Journal of Ecology and Natural Resources*, Vol 4 (1), <https://medwinpublishers.com/JENR/JENR16000186.pdf>
- 5 **Shrestha, H.L.**; Bhandari, T.S.; Karky, B.S.; Kotru, R. (2017) Linking Soil Properties to Climate Change Mitigation and Food Security in Nepal. *Environments*, 4 (2), 29. <http://www.mdpi.com/2076-3298/4/2/29>
- 6 **Shrestha, H. L.**, Chapagain, N. R., Dhital, K. R. and Adhikari, S (2016) Geospatial analysis of forest resources availability for the reconstruction after Earthquake 2015, *FIG*, Article of the Month February 2016. [http://www.fig.net/resources/monthly\\_articles/2016/shrestha\\_etal\\_february\\_2016.asp](http://www.fig.net/resources/monthly_articles/2016/shrestha_etal_february_2016.asp)
- 7 Bajracharya, R. M., Atreya, K., Raut, N., **Shrestha, H. L.**, Gautam, D. K. and Dahal, N. R. (2015) SUSTAINABLE DIVERSIFIED AGRICULTURE AND LAND MANAGEMENT IN THE HIMALAYA: IMPLICATIONS FOR CLIMATE CHANGE ADAPTATION AND MITIGATION, *Journal of Mountain Area Research* Vol. 1, <http://journal.kiu.edu.pk/index.php/JMAR/article/view/11>
- 8 Uddin, K., **Shrestha, H. L.**, M.S.R. Murthy, Bajracharya, B., Shrestha, B., Gilani H., Pradhan, S., Dangol, B. (2015) Development of 2010 national land cover database for the Nepal, *Journal of Environmental Management*, <http://dx.doi.org/10.1016/j.jenvman.2014.07.047>
- 9 Gilani, H., **Shrestha, H. L.**, M.S.R. Murthy, Phuntso Phuntso, Sudip Pradhan, Birendra Bajracharya, and Basanta Shrestha (2015) Decadal land cover change dynamics in Bhutan, *Journal of Environmental Management*, <http://dx.doi.org/10.1016/j.jenvman.2014.02.014>
- 10 **Shrestha, H.L.**, Bajracharya, R. M. and Sitaula, B. K. (2012), Forest and soil carbon stocks, pools and dynamics and potential climate change mitigation in Nepal, *Journal of Environmental Science and Engineering B*, David publishing, Vol 1 (6), pp 800-811 DOI:10.17265/2162-5263/2012.06.012 <http://www.davidpublisher.org/Public/uploads/Contribute/551e48f21b67a.pdf>
- 11 **Shrestha, H. L.** (2006), Using Global Positioning Systems (GPS) and Geographic Information System (GIS) in Participatory Mapping of Community Forest In Nepal, *EJISDC* (2006)25,5, p1-11 <http://www.ejisdc.org/ojs2/index.php/ejisdc/article/view/241>
- 12 **Shrestha, H. L.** and Poudel, M. (2020) Comparison of early season characteristics of Nepalese Forest fires retrieved by MODIS and VIIRS, *Journal of Land Management and Geomatics Education*, Vol II, pp 28-39.
- 13 Poudel A; **Shrestha, H. L.** and Bajracharya, R. M. (2019) Quantification of carbon stock under different land use regimes of Chitwan district, Nepal. *Banko Janakari*, Vol 29 No. 2, pp 13-19.
- 14 **Shrestha, H.L., Poudel, N.S., Bajracharya, R.M. and Sitaula, B.K.** (2019). Mapping and Modelling of Land Use Change in Nepal. *Journal of Forest and Livelihood*, **18** (1): 39-53.
- 15 **Shrestha H. L.**, Poudel M. (2018): Landslide susceptibility zonation mapping in Post-Earthquake scenario in Gorkha District. *Forestry: Journal of Institute of Forestry, Nepal.*

No. 15: page 45 to 56.

- 16 **H. L. Shrestha**, M. R. Kafle, K. Khanal, R. A. Mandal and K. Khanal (2018) Developing local volume tables for three important tree species in Nawalparasi and Kapilvastu districts, Ban Ko Janakari, Special Issue (4).
- 17 R. K. Rimal, R. Maharjan , K. Khanal , S. Koirala , B. Karki ,S. M. Nepal and **H. L. Shrestha** (2017) Detection, assessment, and updating the maps of encroached forest areas: a case study from Bara district, Nepal, Ban Ko Janakari, Volume 27 (1).
- 18 Bajracharya, R.M., **Shrestha, H. L.**, Shakya, R. and Sitaula, B.K. (2015) Agro-forestry Systems as a Means to Achieve Carbon Co-benefits in Nepal, Journal of Forest and Livelihood 13(1) pp 56-68  
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- 19 Bhattarai, T., Skutsch, M., Midmore, M. and **Shrestha, H. L.** (2015) Carbon Measurement: An Overview of Forest Carbon Estimation Methods and the Role of Geographical Information System and Remote Sensing Techniques for REDD+ Implementation, Journal of Forest and Livelihood 13 (1) pp 69-86  
[http://forestaction.org/app/webroot/js/tinymce/editor/plugins/filemanager/files/JFL%2013%20\(1\)/Bhattarai%20et%20al.pdf](http://forestaction.org/app/webroot/js/tinymce/editor/plugins/filemanager/files/JFL%2013%20(1)/Bhattarai%20et%20al.pdf)
- 20 **Shrestha, H. L.** and H. K. Dhonju. 2014. Satellite Based Forest Fire Burned Area Assessment in Nepal from 2000 to 2013. Forestry (Journal of Institute of Forestry, Nepal), No. 14: 98-108
- 21 Aryal, R. R., **Shrestha H.L.** and Khanal S. (2012), Using Landsat data for assessing forest cover change and fragmentation in Laljhadi corridor of Kanchanpur district, Nepal, Ban Ko Janakari, Vol 21(2), Kathmandu.  
<http://www.nepjol.info/index.php/BANKO/article/view/9142/7497> DOI: 10.3126/banko.v21i2.9142
- 22 Chitale, V. S., **Shrestha, H. L.**, Agarwal, N. K., Choudhury, D., Gilani, H., Dhonju, H. K., and Murthy, M. S. R (2014).: Forest climate change Vulnerability and Adaptation Assessment in Himalayas, Int. Arch. Photogramm. Remote Sens. Spatial Inf. Sci., XL-8, 1291-1294, doi:10.5194/isprsarchives-XL-8-1291-2014, 2014.
- 23 Poudel, M. and **Shrestha, H. L.** (2018) Systematic land use and strong government: need of today (Nepali), Hamro Ban Sampada, Vol 15 (1),  
<https://forestaction.org/app/webroot/vendor/tinymce/editor/plugins/filemanager/files/Barsa%2015%20Anka%201/Paudel%20and%20shrestha.pdf>
- 24 **Shrestha, H. L.**, Bajracharya, R. M., Sitaula, B. K., Dhital, K. R. and Adhikari, S. (2016), Land use system in Nepal and its relationship with livelihood: Prospective analysis (In Nepali) in Hamro Ban Sampada, Year 13, Issue 1, ForestAction, Nepal  
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- 25 **Shrestha, H. L.** (2016) Comparison of Different Resolution Satellite Imageries For Forest Carbon Quantification, Nepalese Journal on Geoinformatics: Annual Publication of Survey Department of Nepal, No. 15, Kathmandu. <http://dos.gov.np/wp-content/uploads/2016/07/Nepalese-Journal-on-Geoinformatics-V15.pdf>

## Book/Book Chapter

- 26 **Shrestha, H. L.**, Bajracharya R. M. , Sitaula, B. K. (2023) Soil organic carbon and soil properties for REDD implementation in Nepal: experience from different land use management in three districts of Nepal in RAHUL BHADOURIA, SHIPRA SINGH, SACHCHIDANAND TRIPATHI , PARDEEP SINGH (2023) Understanding Soils of Mountainous Landscapes: Sustainable Use of Soil Ecosystem Services and Management, Pages 267-278, Elsevier
- 27 Poudel, S., Shahnawaz & **Shrestha, H. L.** (2022). Environmental Status of Green Spaces in Bhaktapur District of Nepal–2019. *Urban Ecology and Global Climate Change*, 182-203.
- 28 Poudel, M., Rana, E., Poudyal, B. H., Tiwari, K. R., & **Shrestha, H. L.** (2022). Climate Change and Community Forestry in Nepal. *Revitalising Community Forestry in the Changing Socioeconomic Context of Nepal*.
- 29 Ambika P. G., Buddi Sagar Poudel, Ambika Paudel, Eak Rana, Krishna Raj Tiwari, Lila Nath Sharma, and **Shrestha, H. L.** (2022). Reframing Nepal’s community forestry for improved conservation of biodiversity and ecosystem services in the changing socio-economic context. *Revitalising Community Forestry in the Changing Socioeconomic Context of Nepal*.
- 30 **Shrestha, H. L. and Shrestha, Kalpana** (2021). Estimating Ecosystem Services using Geospatial Approach at Landscape level: Experience from Chitwan Annapurna Landscape, Nepal. In R. K. Chaturvedi, Rishikesh Singh and R. Bhadouria (Eds.), *Tropical Dry Forests: Emerging Features and Ecological Perspectives* (pp. 247-268). Nova Science Publishers, Inc. ISBN: 978-1-53619-581-1
- 31 **Shrestha, H. L.** (2020). Geospatial Solutions for Forest Management: A Case Study from Nepal. In R. Bhadouria, S. Tripathi, P. Srivastava, & P. Singh (Eds.), *Handbook of Research on the Conservation and Restoration of Tropical Dry Forests* (pp. 268-283). Hershey, PA: IGI Global. doi:10.4018/978-1-7998-0014-9.ch014
- 32 Dhital N., **Shrestha, H.L.**, Shrestha, B.M., Gautam, S. and Rijal, B. R. (2015) REDD+ as a Development Tool to Improve Rural Livelihoods in Nepal In Adhikari, A.P., and Dahal, G.P. (eds.). 2015. Sustainable Livelihood Systems in Nepal: Principles, Practices and Prospects. IUCN and CFFN. Kathmandu, Nepal.
- 33 Pathak, R.N., Gautam, N.P.; **Shrestha, H.L.**; Khadka, A. (2012) Analysis of adaptation strategies to climatic hazards (Case study of Barpak VDC, Gorkha) ComForM Project, Institute of Forestry, Pokhara
- 34 **Shrestha, H. L.** (2012), Remote Sensing for Timber volume estimation: comparative evaluation of different spatial resolution data, Lambert Academic Publishing,
- 35 Eerikäinen, K.; Hinh, V. T.; Huy, B.; Khanh, D. C.; Khoa, P. V.; Khoi, N. K.; Lung, N. N.; Mandal, R. A.; Phuong, V. T.; Pokharel, Y. P.; **Shrestha, H. L.**; The, T. N.; Bechu, Y. (2012)"A review of the applicability of existing tree and forest characteristics prediction models to forest inventory in Vietnam and Nepal."
- 36 **Shrestha, H. L.** (2009), GIS Analysis in Geographical distribution of Natural Resources in Nepal ( Rai, J. K., 2009 in Nepali), ForestAction/CIDA.
- 37 Pandit, B. H., Kafle, G., Maharjan, M. R., **Shrestha, H. L.**, and Pudasaini, N. R., (2007) Strengthening governance and livelihoods in leasehold forestry through adaptive

**Proceedings/Conference papers**

- 38 **Shrestha, H.L.**; Kafle, M. R.; Khanal, K.; Mandal, R. A; and Khanal, K. (2017). Preparation of Local volume table of three important tree species in Nawalparasi and Kapilvastu Cluster in Ashikari, S.; Karki, R. and Gurung, A. (eds.) (2017) Proceedings of the First National Silviculture Workshop, 19-21 February 2017, Kathmandu, Nepal: Silviculture Division, Department of Forests, pp 267-276
- 39 **Shrestha H.L.**, Uddin K., Gilani H., Pradhan S., Shrestha B., and Murthy MSR (2015) Forest Carbon Flux Assessment in Nepal Using the Gain-Loss Method in Murthy, MSR; Wesselman, S; Gilani, H (eds.) (2015) Multi-scale forest biomass assessment and monitoring in the Hindu Kush Himalayan region: A geospatial perspective. Kathmandu: ICIMOD pp 178-191
- 40 **Shrestha, H. L.**; Dhital, K. R.; Bajracharya, R. M.; and Sitaula, B. K. (2016) Mapping Carbon Benefits and Species Richness in Community Forestry in Nepal, Proceedings of a national workshop Mainstreaming Biodiversity and Ecosystem Services into Community Forestry in Nepal, 4-5 August 2015, Nepal.
- 41 **Shrestha, H.L.**, Bajracharya, R. M. and Sitaula, B. K (2015), Prospects of Multiple Benefits from Forests through REDD+ Implementation in Nepal In Bajracharya, R. M.; Sitaula, B. K.; Sharma, S. and Shrestha, H. L. (Eds.) Proceedings of the International Conference on Forests, Soils and Rural Livelihoods in a Changing Climate, Kathmandu, Nepal. pp 145-164
- 42 Poudel, A., **Shrestha, H. L.**, Bajracharya, R. M. and Sitaula, B. K. (2015) Quantification of Carbon stocks under Different Landuse System of Chitwan District, Nepal. In Bajracharya, R. M.; Sitaula, B. K.; Sharma, S. and Shrestha, H. L. (Eds.) Proceedings of the International Conference on Forests, Soils and Rural Livelihoods in a Changing Climate, Kathmandu, Nepal. pp 194-210
- 43 Bhattarai, I. K. Kafle, K., **Shrestha, H. L.**, Bajracharya, R. M., Shakya, R. and Sitaula, B. K. (2015). Soil Properties under Different Land Use Practices in the Mid-Hills of Nepal. . In Bajracharya, R. M.; Sitaula, B. K.; Sharma, S. and Shrestha, H. L. (Eds.) Proceedings of the International Conference on Forests, Soils and Rural Livelihoods in a Changing Climate, Kathmandu, Nepal. pp 220-230.
- 44 **Shrestha, H. L.**; Bajracharya, R. M.; Bhattarai, I., Kafle, K., Shakya, R. and Sitaula, B.K. (2014) Forest and Soil Carbon Quantification for the Assessment of Leasehold Forest's Contribution to Climate Change Mitigation in Nepal, Proceeding of Regional Workshop on Pro-Poor Leasehold Forestry, 11-13 July 2014, Nepal.
- 45 **Shrestha, H.L.**, Bajracharya, R.M., and Sitaula B.K. (2013) Quantification of Forest and Soil Carbon Stocks under Different Management Practices in Nepal, Proceeding of International Conference on International Conference on Forests, People and Climate: Changing Paradigm organized from 28 - 30 August 2013, Pokhara, Nepal
- 46 **Shrestha, H. L.**, Khadka, M. and Das, A. N. (2013) Object based image analysis techniques for the quantification of aboveground forest biomass in Nepal, Proceeding on International Workshop on Advanced Geospatial Technologies for Sustainable Environment and Culture organized from 12-13 September 2013, Pokhara, Nepal.

47 *Shrestha, H. L. (2004), Comparative Evaluation of Different Spatial Resolution Satellite Data for Timber Volume Estimation, paper submitted and accepted for the seminar "High Resolution Mapping" held in Hannover, Germany.*

**Projects:**

- 1 Working as Technical Advisor in the project SOLUWATREE with Association for Rural Development (ARD) funded by AEIN Luxemburgh/Mangroove Foundation from April 2020.
- 2 Working as GIS Expert in the project "Municipal Financing Capacity Building", Town Development Fund/European Union from 13th September 2021 to December 2022
- 3 Worked as GIS/RS Expert in the project "Ecosystem and Forest Type mapping", FRTC/WWF-Nepal in support of USAID and DFID from 28th October 2020 to July 2022
- 4 Worked as Watershed Management Planner/Trainer in the project "Building Climate Resilience of Watersheds in Mountain Eco-Regions of Nepal: Monitoring the impacts of watershed interventions" supported by ADB from 15th Jan 2020 to 30th April 2020
- 5 Worked as GIS Expert in Smart infrastructure planning and designs to protect natural habitats and biodiversity of Narayangadh – Hetauda – Pathlaiya Raod Extension, Jade consult/ADB from November 2019 to February 2021
- 6 Worked as GIS Expert in Smart infrastructure planning and designs to protect natural habitats and biodiversity of Narayangadh – Butwal Raod Extension, Silt Consult/ADB from November 2018 to May 2019
- 7 Worked as a Consultant for IUCN in GCF proposal development team on Mapping vulnerability and review the climate change, financial mechanism and adaptation strategy from 15 September 2017 to March 2018.
- 8 Worked as a Consultant for South Asian Wildlife Enforcement Network (SAWEN) on assignment of "Mapping wildlife trade routes in 8 SAWEN countries" <http://www.sawen.org/> from June 15 2017 to 30th December 2017.
- 9 Worked as a Consultant researcher for the "Review of assessment of Soil Organic Carbon and other nutrients in RMCs of ICIMOD from July - December 2018.
- 10 Worked as Team Leader on the "Preparation of Forest Atlas maps of 31 Chure districts showing forest management modalities" through eG-Tech Pvt. Ltd. in financial support of Department of Forests and President Chure-Terai-Madhesh Conservation Development Board in 2017.
- 11 Worked as GIS/Mapping Consultant for mapping the project activities of Care Nepal in 2016
- 12 Worked as Lead researcher on the local experiences for the "Development of Spatial Decision Support Tool on Forest Ecosystem vulnerability and adaptation strategy in Koshi basin" through International Centre for Integrated Mountain Development (ICIMOD), Nepal in 2016.
- 13 Worked as GIS and Spatial Specialist for conducting EIA and SIA for Addendum of Isimba Hydropower Electric Project in Kalagala Offset Area (KOA) in Uganda in the support of World Bank in 2016.
- 14 Worked as lead researcher on the linkage of soil properties, productivity with food security in Bajhang and Mustang through International Centre for Integrated Mountain Development (ICIMOD), Nepal in 2015.
- 15 Worked as lead researcher on the User engagement in the Automated Satellite based Forest Fire Detection through International Centre for Integrated Mountain Development (ICIMOD),

Nepal in 2015.

16 Worked on the documentation of experiences of UK AID in Forestry activities through eG-Tech Pvt. Ltd. for Helvetas International, Nepal in 2015

17 Worked as a Remote Sensing expert for the Review on application of GIS and RS for the MRV framework in the context of RPP development for REDD mechanism in Nepal for REDD, Forestry & Climate Change Cell/MOFSC under GoN, in 2010

18 Review of Experiential Learning interventions of ComForM/IOF Project in Chitwan and Kaski district in 2010

19 Work as a Mapping Expert for the Contribution in mapping activities in the project entitled "Restructuring Federal state of Nepal" for Canadian Cooperation Organization with ForestAction in 2009

20 Work as a Remote Sensing Expert for Contribution in spatial aspect for "Assessment of feasibility for the implementation of Reducing Emission from Forest Degradation and Deforestation" for WWF Nepal with Nepalese Forester's Association (NFA), Nepal in 2008.

21 Work as Reviewer on Situation Analysis of Ecosystem Services and Poverty Alleviation supported and conducted in collaboration of ForestAction, IUCN, Teri university, ESRC, DFID and NERC in 2007

22 Worked as Field officer to handover the forest preparing operational plan and constitution of the forest user groups conducting forest resource inventory, surveying and house hold survey in Goganpani and Kiranchok VDCs, Dhading in 2000

23 Worked as Field officer to handover the forest in Fulasi VDC, Ramechhap through NSCFP/SDC in 1998

24 Worked as Field Assistant to conduct resource inventory of the sampled forests in different districts for IFRI Research under Institute of Forestry in 1997 (Dang, Baglung, Parbat, Okhaldhunga, Khotang, Udaypur, Bhojpur, Sankhuwasabha)

25 Worked as Field Assistant for the forest inventory in different districts under FSISP/FINNMAPP in 1994 (Morang, Sunsari, Siraha, Saptari)

26 2020, Technological Solutions for Monitoring of Community Forestry on Bio-Physical Parameters Through Geospatial Approach, LandSense, Austria (2nd Prize Winner)

27 2020, GIS Expert in Narayangadh – Hetauda – Pathlaiya Road Expansion, SASEC, ADB

28 2020, Watershed management Planner/Trainer, Building Climate Resilient Mountain Environment, DOFSC/ADB

29 2019, Mapping of Invasive and Alien Plant Species in Jalthal, Jhapa (Nepal) under DARWIN Project

30 2019, Landslide Vulnerability mapping of selected watershed of Lalitpur and Rasuwa districts in Nepal supported by Department of Forests and Soil Conservation/GoN

31 2019, GIS Expert in Narayangadh to Butwal Road Expansion, SASEC, ADB

32 2017, Preparation of Forest Atlas maps of Forest Management regimes of 31 districts of Chure region in Nepal

33 2015-2016, Development of local volume table for selected tree species in selected districts in Nepal through eG-Tech Pvt. Ltd. and WWF/Hariyo Ban

34 2015-2016, Forest Encroachment Detection, Updation and Mapping through Department of Forests and WWF/Hariyo Ban

- 35 2014-2015, Preparation of District Level Interactive Spatial Forest Information System (Web-based) in Kapilvastu, Nawalparasi and Rupandehi districts through eG-Tech Pvt Ltd in support of MSFP
- 36 2014, Vulnerability mapping of Ramechhap, Okhaldhunga and Khotang district through ECARDS/MSFP
- 37 2012, Climatic Hazard Trend Analysis (Case study of Lete and Kunio VDCs Mustang) ComForM/IOF
- 38 2011, Use of Geoinformatics for carbon estimation of Mid-Hill forest in collaboration with Department of Plant Resources
- 39 2009-2011, Livelihood and spatial distribution of NTFPs in collaboration with University Grant Commission and Kathmandu Forestry College.
- 40 May – June, 2009, Application of Geospatial technology for Fire monitoring in Nepal (Case study from Gorkha, Lamjung and Dhading districts) in collaboration among Kathmandu Forestry College (KAFCOL) and Resource Identification and Management Society (RIMS – Nepal)
- 41 December 2008 – 2010, Assessing Applicability of Forest Certification for Sustainable Forest Management, Enterprise Development and Enhancing Local Capability Supporting by ComForM/IOF, Pokhara
- 42 2004, Forest Mapping using GPS and GIS for the support of the development of geographic resource database in Enterprise development of NTFPs in high altitude forests in Jiri cluster of Nepal in NSCFP/SDC. Software used: GPS utilities, ArcView 3.2a
- 43 2004, Forest Mapping using GPS and GIS for the support of the project "Developing Methodology for Sustainable Harvesting of Medicinal Plants in Nepal" within ForestAction in two community forests in different two ecological zone of Nepal i.e. Sundari Community Forest in Terai zone and Baisakheswori Community Forest in High Himalayan zone. Software used: ArcView 3.2a
- 44 2002 to 2003, A research paper entitled "Comparative Evaluation of Different Spatial Resolution Satellite Data for Timber Volume Estimation" was prepared for the partial fulfillment of M. Sc. in Geoinformatics. Software used: ERDAS IMAGINE, eCognition
- 45 1999 to 2000, A research paper was prepared during the academic course on title "Comparison of Growth Performance of Pinus roxburghii Sargent in Community Plantation" a comparative study of Two FUGs from the Palpa District for the partial fulfillment of B.Sc. forestry degree.