

# CURRICULUM VITAE OF SUBODH KHANAL

## PERSONAL INFORMATION:

**Surname:** KHANAL

**First Name:** Subodh

**Home address:** 26, Sahaj Marga, Hamro Chowk, Madhumara, Biratnagar-8, Nepal

**Current address:** Institute of Agriculture and Animal Science (IAAS) , Gauradaha Agriculture Campus, Jhapa

**Date of birth:** 1987-05-14

**Nationality:** Nepalese

**Citizenship number:** 83539(Morang)

**PAN number:** 104152067

**ORCID ID:** <https://orcid.org/0000-0002-7326-3560>

**Contact Number:** 977-9851138999

**Email Address:** subodh.khanal@gac.tu.edu.np, subodh.agroecology@gmail.com

**Marital status:** Married

**Criminal record:** None

## EDUCATION AND QUALIFICATIONS

- M.S. Conservation Ecology. 2013. IAAS, Tribhuvan University (Distinction). Major studied course: Natural Resource Management, Conservation Ecology, Wetland Ecology, Land Use management and planning, Ecological Agriculture
- B.S. Agriculture. 2011. IAAS, Tribhuvan University (Distinction)
- 10+2. 2005. HSEB (1<sup>st</sup> division)
- SLC. 2003. GoN (1<sup>st</sup> division)
- **Sound knowledge on:** Data analysis, Climate change, Agroecosystem and Agrobiodiversity Management, Ethnobotany

## LANGUAGES:

- **Speak:** English (good), Nepali (good), Hindi (fair).
- **Read:** English (good), Nepali (good), Hindi (fair).
- **Write:** English (good), Nepali (good), Hindi (fair).

## CAREER HISTORY

### 1. WORK EXPERIENCE

- Member secretary, subject matter committee, Department of Agricultural Botany and Ecology, IAAS (2014 June 3-present)
- Assistant professor of Conservation Ecology (2014 March 18-present), Institute of Agriculture and Animal Science:
  - ✓ Teaching Introductory Crop Physiology, Environmental Science and Agroecology, Medicinal and Aromatic plants and Agrobiodiversity Management for B.Sc. Ag.
  - ✓ Teaching Ecological Agriculture, Biodiversity Management and Natural Resource Management for M.Sc. Ag. (major in Conservation Ecology)
  - ✓ Senior Research Officer at Institute for Social and Environmental Research-Nepal, Fulbari, Chitwan and Lead field scientist for Arizona State University, USA (2013 June-2014 December) for mapping invasive species including *Mikania micrantha* at Western Chitwan

### 2. PROFESSIONAL MILESTONES:

- ✓ Life time member of Himalayan Biodiversity Society
- ✓ Editor in Journal of the Institute of Agriculture and Animal Science, volume 35 no 1, 2019
- ✓ Editor in Journal of Institute of Agriculture and Animal Science, volume 38 no 1, 2022

### 3. SELECTED TRAININGS

- ✓ Training on Pedagogical Skills organized by Paklihawa Campus, Institute of Agriculture and Animal Science, Tribhuvan University and supported by Winrock International from February 8-13, 2011
- ✓ International Training on Survey Data Analysis” equivalent to 3 credit hours organized at the ISER-N office in Fulbari, Chitwan collaborating with the University of Michigan, Ann Arbor, USA from December 1-5, 2013.
- ✓ Summer School on Agricultural Meteorology jointly organized by Tribhuvan University, Institute of Agriculture and Animal Science and Government of Nepal, Ministry of Agriculture, Land Management and Cooperatives from 05/03/2018 to 05/09/2018 at Godawari, Lalitpur, Nepal
- ✓ R software carpentry training organized by software carpentry foundation from August 18 to 19, 2020

### 4. INVITED LECTURE AND PAPER PRESENTED

- Presented paper entitled “ Integration of ecological and organic agriculture in education system of Nepal and future priorities” in National workshop on Ecological and Organic Agriculture in Nepal, jointly organized by Local Initiatives for Biodiversity, Research and Development (LIBIRD) and Crop Development and Agriculture Biodiversity Conservation Center, Department of Agriculture, Government of Nepal 25-26 September, 2019, Hotel Himalaya, Nepal
- Facilitated in “Training on Agroecology” organized by Action Aid-Nepal from 05/25/2019 to 05/27/2019 at Nepalgunj and from 06/28/2019 to 06/30/2019 at Terhathum
- Lecture on “Agrobiodiversity in Nepal” in aspect of Environment and Biodiversity Management in Nepal Himalaya. Jointly organized by Research Centre for Applied Science and Technology (RECAST), Tribhuvan University and Department of Agronomy, Food, Natural Resources, Animal and the Environment (DAFNAE), University of Padava, Italy organized from 25 July, 2016 to 12 August 2016

### 5. ANY WORKSHOPS ORGANIZED OR FACILITATED

- Worked as coordinator in workshop on “Population Genetics and Data Analyses in R” organized jointly by Oregon State University, USA and Paklihawa Campus from November 4-6, 2019; partially funded by American Phytopathological Society.
- Worked as facilitator for training on Statistical Package for Social Science (SPSS) organized by Youth for Conservation and Sustainable Agriculture (YCSA) from February 18-20, 2018 at Paklihawa Campus, Nepal
- Worked as consultant trainer in training on agroecology organized by Action Aid Nepal at Nepalgunj from 25<sup>th</sup> May to 26<sup>th</sup> May, 2019 and at Terhathum from 28<sup>th</sup> June to 30<sup>th</sup> June, 2019.

### 6. BOOKS PUBLISHED

- 1) Khanal, S. and R. Ghimire. 2019. Textbook of Agrometeorology and environmental science. Heritage Publishers and Distributors.
- 2) Dangol, D.R. S. Khanal, G. Rawal, G. Lamsal and S.K. Maharjan. 2019. Textbook of NTFP, Medicinal and aromatic plants. Heritage Publishers and Distributors.
- 3) S. Khanal and M. Madal. Training Manual on Agroecology (In Nepali). Action Aid Nepal.
- 4) सानुकृष्ण महर्जन, धुबराज भट्टराई र सुबोध खनाल. २०७९. व्यवसायिक जडिबुटी खेति प्रविधि, हेरिटेज पब्लिसर्स, काठमाण्डौ
- 5) Khanal, S., S. Sapkota and L. Shakya. 2014. Textbook of Crop Physiology. Makalu Publication, Kathmandu
- 6) L. Shakya, S. Sapkota and S. Khanal. 2014. Textbook of Biochemistry. Makalu Publication, Kathmandu

### 7. SCIENTIFIC PUBLICATIONS

- 1) **Khanal, S.**, B. Joshi, R. Shrestha, S. Shivakoti, A. Bhusal and S. Shrestha. 2022. Perceptive Study on Policy Interlinkage and Institutional Arrangement of Agrobiodiversity with Climate Change, Food and Nutrition. *Journal of Agriculture and Environment*, 23(1), 29–43.  
<https://doi.org/10.3126/aej.v23i1.46864>
- 2) Gautam, G., **S. Khanal**, D.Khanal, S.R. Mishra and S. Ghimire. 2022. Phytochemical Screening of Selected Botanicals and their Effectiveness Against Maize Weevil (*Sitophilus zeamais* Motsch.) at Paklihawa, Rupandehi, Nepal. *Advanced Journal of Graduate Research* 11 (1), 34-44. Available: [Phytochemical Screening of Selected Botanicals and their Effectiveness Against Maize Weevil \(Sitophilus Zeamais Motsch.\) at Paklihawa, Rupandehi, Nepal | Advanced Journal of Graduate Research \(aijr.org\)](https://doi.org/10.3329/sja.v19i1.54795)
- 3) **S.Khanal**, A. Ghimire, A. Acharya , A. Sapkota and G. Adhikari. 2021. Determinants of Gender Division in Agricultural Works and Agrobiodiversity Management in Nepal. *Agrobiodiversity & Agroecology*, 01(01): 24-46. Doi: <https://doi.org/10.33002/aa010102>.
- 4) Pradhan, B., K. Rayamajhi and **S. Khanal**. 2021. Assessment of on-Farm Management And Associated Knowledge of Agro-Biodiversity In Climate Smart Viilages of Nawalpur District in Nepal. *SAARC Journal of Agriculture*, 19(1), 259–268. <https://doi.org/10.3329/sja.v19i1.54795>
- 5) Seifu, W., E. Elias, G. Gebresamuel and **S. Khanal**. 2021. Impact of land use type and altitudinal gradient on topsoil organic carbon and nitrogen stocks in the semi-arid watershed of northern Ethiopia. *Heliyon*. 7(2021) e06770. DOI: <https://doi.org/10.1016/j.heliyon.2021.e06770>
- 6) Bhandari, N., M. Basnet and **S.Khanal**.2021. Standardization of Grafting Time of Mandarin (*Citrus reticulata* Blanco) in Central Mid Hill of Nepal. *International Journal of Fruit Science*. 21(1): 599-608. Available: <https://www.tandfonline.com/doi/pdf/10.1080/15538362.2021.1875964>
- 7) Gyawali, I., S. Bhattarai and **S. Khanal**. 2021. Ethnobotanical, phytochemical and allelopathic potential of traditional medicinal plants. *Turkish Journal of Agriculture - Food Science and Technology*, 9(1): 224-233, 2021. DOI: <https://doi.org/10.24925/turjaf.v9i1.224-233.3873>
- 8) Gairhe, J.J., **S. Khanal** and S. Thapa. 2021. Soil organic matter (SOM): Status, Target and challenges in Nepal. *Malaysian Journal of Sustainable Agriculture*. 5(2) (2021) 90-94.  
*DOI*: 10.26480/mjsa.02.2021.90.94
- 9) Phago, S., S.R. Mishra, H.K. Panta and **S. Khanal**. 2021. Status of capital assets for agricultural sustainability in Ganga Jamuna Rural Municipality, Dhading, Nepal. *Sustainability in Food and Agriculture (SFNA)* 2(1) (2021) 44-47. DOI: <http://doi.org/10.26480/sfna.01.2021.44.47>
- 10) Gautam, S., **S. Khanal**, S.R. Mishra and D. Khanal. 2021. Screening of phytochemicals and allelopathic potential of selected botanicals on germination and growth of maize (*Zea mays* L.) at Paklihawa, Nepal. *Nepalese Journal of Agricultural Sciences*. 2021, volume 20 ISSN 2091-042X; eISSN 2091-0428. Available at: [https://hicast.edu.np/wp-content/uploads/2021/01/NJAS\\_2021\\_20.pdf](https://hicast.edu.np/wp-content/uploads/2021/01/NJAS_2021_20.pdf)
- 11) **Khanal, S.**, S. Mishra and L. Dhakal. 2020. Performance of manures derived from kitchen wastes using effective microorganisms(EM) and indigenous microorganisms (IMO) technology on growth and yield parameters of okra (*Abelmoschus esculentus* L.) at Biratnagar, Nepal. *Journal of Wastes and Biomass Management (JWBM)* 2(1) (2020) 19-23. DOI: <http://doi.org/10.26480/jwbm.01.2020.19.23>
- 12) **Khanal, S.**, D. Khanal and B. Kunwar. 2019. Assessing the structure and factors affecting agrobiodiversity of home garden at Katahari Rural Municipality, Province 1, Nepal. *Journal of Agriculture and Environment* 20, 129-143
- 13) Rawal, G., S. Mishra, **S. Khanal** and K.K.Pant. 2019. Effects of various nutrient sources on performance of cauliflower (*Brassica oleracea l. var. Botrytis*) and physicochemical properties of soil at Tanahun, Nepal. *Nepalese Journal of Agricultural Science*, vol. 18 ISSN 2091- 042X; ISSN 2091-0428. Available at [http://www.hicast.edu.np/uploads/colleges/16/ck\\_5d428388e1083.pdf](http://www.hicast.edu.np/uploads/colleges/16/ck_5d428388e1083.pdf)
- 14) **Khanal, S.**, and K. Neupane. 2018. Phytochemical screening and antimicrobial screening of potential invasive species at around Paklihawa, Nepal. *Himalayan Biodiversity*. 6:38-45,2018. ISSN : 2382-5200
- 15) **Khanal, S.**, S. Adhikari, A. Bhattarai and S. Shrestha. 2018. Diversity of weeds and population dynamics of predator and prey present in wheat mustard ecosystem at Paklihawa, Rupandehi, Nepal. *Journal of the Agriculture and Animal Science* 35(1): 173-181

- 16) **Khanal, S., S. Upreti and S.S. Chaudhary.** 2018. Perceptive response on solid waste management and willingness to pay at Bhairahawa and Butwal, Nepal. Journal of waste management and disposal DOI: 10.4172/2252-5211.1000325 volume 1, Issue : 105 ( available at: <http://fulltext.scholarena.co/Perceptive-Response-on-Solid-Waste-Management-and-Willingness-to-Pay-at-Bhairahawa-and-Butwal-Nepal.php>)
- 17) Sharma, H., I. Bhattarai, S. Sapkota and **S. Khanal.** 2018. Assessment of food security through diversity assessment of rice varieties and its adaptation in Kaski district. Journal of food security, DOI:10.12691/jfs -6 -3 volume 6, no.3, 114-118, Available online at <http://www.journaloffoodsecurity.com/articles/6/3/3>
- 18) Pandey, G., **S. Khanal,** D. Pant, A. Chhetri and S. Basnet. 2017. An Overview of Fertilizer Distribution Scenario in Nepal: a Time Series Analysis (1991/92-2015/16). International Journal of Research in Agricultural Sciences, Volume 4, Issue 6, ISSN (Online): 2348 – 3997(Available: [https://ijras.org/administrator/components/com\\_jresearch/files/publications/IJRAS\\_628\\_FINAL.pdf](https://ijras.org/administrator/components/com_jresearch/files/publications/IJRAS_628_FINAL.pdf))
- 19) Khanal, K., **S. Khanal** and S.M. Dhungana. 2017. Perceptive response of climate change impacts on agricultural crops in Sauraha-Pharsatikar VDC, Rupandehi district, Nepal. International Journal of Applied Science and Biotechnology, Volume 5(3): 345-355 DOI: 10.3126/ijasbt.v2i4.11552 ISSN 2091-2609 (Available: [http://ijasbt.org/vol\\_5/issue3.html](http://ijasbt.org/vol_5/issue3.html))
- 20) **Khanal, S.** and D.R. Dangol. 2016. Assesment of landraces of rice and maize varieties by four cell analysis at Sorabhag VDC, Morang, Nepal. Himalyan biodiversity, ISSN 2382-5200 Volume 5 pp 49-52
- 21) **Khanal, S.** and S.P. Khanal. 2016. Assessment of women's role in management of home garden in Sorabhag VDC, Morang, Nepal. Global journal of biology, agriculture and health sciences, Volume 5, Issue 2, ISSN 2319-5584. (Available : <https://www.longdom.org/abstract/assessment-of-womens-role-in-management-of-home-garden-in-sorabhag-vdc-morang-nepal-2970.html> )
- 22) Badal, M., and **S. Khanal.** 2016. Characterization of maize, winter beans and finger millet varieties through diversity block in Makwanpur and Sarlahi districts, Nepal. Scholarly Research Journal for Humanity, Science and English Language, volume 3/15, pp 3650-3661, ISSN 2348-3083(Available: <http://www.srjis.com/pages/pdfFiles/146511050313.Mahesh%20Badal.pdf>)
- 23) Sapkota, A., S. Poudel, U. Subedi, R. Shribastav, J.J. Gairhe and **S. Khanal.**2015. Effect of Mulching and Different Doses of Phosphorous in Cowpea (*Vigna unguiculata* L.) Yield and Residual Soil Chemical Properties at Bhairahawa, Nepal. World Journal of Agricultural Research, 2015, Vol. 3, No. 5, 163-173. DOI:10.12691/wjar-3-5-3. Available online <http://pubs.sciepub.com/wjar/3/5/3>
- 24) **Khanal, S.** and M. Badal. 2015. Characterization of available rice varieties through diversity block in Makwanpur and Sarlahi districts, Nepal. EC Agriculture Journal, Volume 2, Issue 2. Available on <https://www.ecronicon.com/ecag/pdf/ECAG-02-000033.pdf>
- 25) **Khanal,S.** and D.R. Dangol. 2014. Identification and interaction of stakeholders for socioecological system in Bishajari and associated wetlands area, Chitwan, Nepal. Himalayan Biodiversity. Volume 2, Issue 1 pp 15-24
- 26) **Khanal, S.,** S.B. Gurung, K.K. Pant, P. Chaudhary and D.R. Dangol. 2014. Ecosystem services and stakeholder analysis in Bishajari and associated wetland areas, Chitwan, Nepal. International Journal of Applied Science and Biotechnology, Volume 2(4): 563-569 DOI: 10.3126/ijasbt.v2i4.11552 ISSN 2091-2609 (Available: [http://ijasbt.org/vol\\_2/issue4.html](http://ijasbt.org/vol_2/issue4.html))
- 27) Dangol, D.R., and **S. Khanal.** 2013. Status of "Wetland ecology" education and research at the Department of Environmental Science, Institute of Agriculture and Animal Science of the Tribhuvan University, Nepal. Nepalese Journal of Biosciences 3: 78-86 (2013).

## 8. POPULAR ARICLES

- **सुबोध खनाल.** २०७७. प्रांगारिक कृषिको वर्तमान अवस्थामा वानस्पतिक, विषादीको प्रयोग. प्रादेशिक कृषि दर्पण. वर्ष २ अंक ३ २०७७ मङ्सिर-२०७७ फाल्गुन. कृषि विकास निर्देशनालय, प्रदेश नं १, बिराटनगर <https://drive.google.com/file/d/15ZWFqpNnDanK9ryHKGX-cfRTx0Eh4UpR/view>

## 9. STUDY CONDUCTED AND SUBMITTED

- Worked as team leader for study entitled “Evaluation of agroecological performance in Karnali province :A case of Aathbish, Dullu, Birendranagar and Barahatal municipalities” submitted to Local Initiatives of Biodiversity Research and Development funded by DanChurch Aid.
- Worked as team leader for study entitled “Biodiversity and ecosystem services provided by aquatic ecosystem at Province 1 Nepal”. Submitted to Livestock Service Training Center, Ministry of Land Management, Agriculture and Cooperatives, Province 1, Nepal.
- Worked as team leader for study entitled “Value chain study of dairy sector in Ilam and Jhapa districts of Nepal”. Submitted to Livestock Service Training Center, Ministry of Land Management, Agriculture and Cooperatives, Province 1, Nepal.
- Worked as member on study, “A policy brief on interlinkage og agrobiodiversity with nutrition and climate change resilience to small holder farmers”. Submitted to LIBIRD
- Worked as member of study entitled “Situation and Possibilities of Coffee Production in Province 5, Nepal”. Report was submitted to Planning Commission of Province 5, Nepal by Paklihawa Campus, Institute of Agriculture and Animal Science
- Worked as researcher in the project entitled “Production Cost Analysis of Major Vegetables in Province 3, Nepal”. Report was submitted to Agriculture Development Directorate, Province 3, Hetauda, Nepal submitted by Swarga Dwari Pravidik Paramarsha Kendra Pvt. Ltd, Tuslipur, Nepal
- Worked as researcher in the project entitled “Effectiveness of Agricultural loan disbursed by various banks and financial institutes at Province 3, Nepal” conducted by Durgayagya Technical Consultancy Pvt. Ltd, Tulsipur, Nepal which was submitted to Agriculture Development Directorate, Province 3, Hetauda, Nepal

### **CERTIFICATION**

I, the undersigned, certify that to the best of my knowledge and believe, this CV correctly describes myself, my qualification and my experiences. I understand that any willful misstatement described herein lead to my disqualification or dismissal, if engaged.



Subodh Khanal

2/6/2023