Deependra **Dhakal**

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| dd_rookie

Education

(MS; Plant Breeding and Genetics) Agriculture and Forestry University
Chitwan

AGRICULTURE AND FORESTRY CAMPUS, RAMPUR
2016–2018

- First Division

(BS; Agriculture) Tribhuvan University
Lamjung

INSTITUTE OF AGRICULTURE AND ANIMAL SCIENCE
2010–2015

- First Division

Higher Secondary Education Board
Chitwan

ORCHID SCIENCE COLLEGE
2008–2010

- First Division

SLC Board
Chitwan

SMALL HEAVEN HIGHER SECONDARY BOARDING SCHOOL
2008

- Distinction

Competencies

* Scripting and domain interests

- R – Graphical/functional programming and algorithmic development

- LaTeX– TikZ, literate programming

- Bash – General purpose scripting, file management, code version control and execution

- Julia – Dynamic programming and optimal experimental designing

- ImageJ and Python – Image and algorithmic analysis

- DSSAT/aquacrop – Crop physiology studies and environment management decision

- QGIS and GeoDa – Geographical data exploration/aggregation

Training and Experience

Agriculture and Forestry University
Rampur, Chitwan, Nepal

DEPARTMENT OF GENETICS AND PLANT BREEDING
April 13 2022– Ongoing

- *Assistant Professor*

Ministry of Land Management, Agriculture and Cooperative
Pokhara, Kaski, Nepal

SEED LABORATORY, GANDAKI PROVINCE
April 21 2021– April 12, 2022

- *Crop Development Officer*

Gokuleshwor Agriculture and Animal Science College
Baitadi, Nepal

DEPARTMENT OF PLANT BREEDING AND GENETICS
March 29 2019–December 2020

- *Assistant Professor*

Unique Seed Company Pvt. Ltd.
Dhangadhi, Kailali, Nepal

CROP BREEDING AND RESEARCH DIVISION
May 9, 2018–March 28, 2019

- *Crop Breeder*

National training workshop on 'Seed Quality and Productivity Enhancement Technologies in Lentil'; Organized by: CIMMYT and NGLRP/NARC

Representing Unique Seed Company Pvt. Ltd.

Nepalgunj, Nepal

February 17, 2019–February 18, 2019

International training workshop on 'Hybrid Vegetable Seed Production and Marketing'; Organized by: HRD/NARC, SEAN, CIMMYT and World Vegetable Center

Representing Unique Seed Company Pvt. Ltd.

Dang, Nepal

February 13, 2019–February 15, 2019

International training on "Hybrid Maize Seed Production and Marketing"; Organized by: CIMMYT

Representing Unique Seed Company Pvt. Ltd.

Kathmandu, Nepal

October 1, 2018–October 3, 2018

International training on "Statistical Data Analysis"; Organized by: CIMMYT

Representing Unique Seed Company Pvt. Ltd.

Kathmandu, Nepal

September 29, 2018–September 30, 2018

International training on 'Hybrid Maize Comprehensive Technologies'; Organized by: Yuan Longping High-Tech Agriculture Co. Ltd., Changsha, China and NMRP/NARC, Nepal

Representing Unique Seed Company Pvt. Ltd.

Chitwan, Nepal

July 17, 2018–August 31, 2018

Enhancing quality standards of raw milk: Validation of Good Manufacturing Practices(GMP) in the supply chain.

FORWARD Nepal

- *Field Research Associate*

Tanahun, Nepal

November 2016–December 2016

Action Research for Cost Effective Agricultural Extension Services in 10 mid-hill districts of Nepal.

Nepal Development Research Institute

- *Enumerator*

Rukum, Nepal

March 2014–April 2014

Hobbies and personal projects

Idea	Specialization
Mathematical graphics	Coded flag[1] of Nepal using TikZ; Repository: `https://github.com/DeependraD/flag-of-nepal.`
Study of non-linear systems (crop growth and economy of agricultural products) using dynamic programming	Distributed lag based enterprise appraisal parametrizing biological fruit growth in Coffee (`https://github.com/DeependraD/distributed-lag-enterprise-simulation`); Price transmission study in Wheat (`https://github.com/DeependraD/macroeconomics_thesis`)
Blogging and web	Maintain a personal website in open-source community hosted domain using Hugo (`https://github.com/DeependraD/dblog`)
Colorimetry and image analysis	Created an adaptation of Munsell Color system for visual rating of leaf color (`https://github.com/DeependraD/munsell_crop_adaptation`)

[1] The Most Mathematical Flag - Numberphile; URL: https://www.youtube.com/watch?v=f2Gne3UHKHs

Publications

1. Dhakal, D. (2024). *Preprint – gridded multi-crop suitability mapping using public domain soil and related thematic data.* `https://doi.org/10.31223/X5W69Z`

2. Bista, P., Thapa, S., Rawal, S., Dhakal, D., Joshi, D., et al. (2022). Agro-morphological characterization and estimation of genetic parameters of spring maize hybrids in the inner plains of far-west nepal. *International Journal of Agronomy*, *2022*.

3. Kalauni, S., & Dhakal, D. (2020). Correlation and path coefficient analysis of seed yield and yield components of french bean (phaseolus vulgaris l.) Genotypes in sub-tropical region. *Turkish Journal of Agriculture-Food Science and Technology*, *8*(9), 1928–1934. `https://doi.org/10.24925/turjaf.v8i9.1928-1934.3528`

4. Paudel, S., & Dhakal, D. (2020). Yield performance of oyster mushroom (pleurotus ostreatus) on different substrate. *Archives of Agriculture and Environmental Science*, *5*(2), 190–195. `https://doi.org/10.26832/24566632.2020.0502016`

5. Deependra, D. (2018). *Post-anthesis leaf health as potential determinant of yield in early evaluation trial of wheat genotypes* [MS Thesis]. Agriculture and Forestry University.

6. Dhakal, D., & Subedi, R. (2015). Study of agro-morphological descriptors of common bean (phaseolus vulgaris l.) genotypes. In B. D. Regmi (Ed.), *Proceedings of undergraduate practicum assessment volume 2* (pp. 23–26). IAAS.

7. Regmi, B. D. (Ed.). (2015). *Proceedings of undergraduate practicum assessment volume 2*. IAAS.

Advisor and Referee

Madhav Prasad Pandey, PhD

- Professor
- Department of Genetics and Plant Breeding
- Agriculture and Forestry University
- +977-9855081410
- mppandey@afu.edu.np

Lal Prasad Amgain, PhD

- Professor
- Department of Agronomy
- Tribhuwan University
- +977-9851219516
- amgainlp@gmail.com

Mahendra Tripathi, PhD

- Scientist
- Agronomy/Plant Breeding and Genetics
- National Maize Research Program (NMRP), Rampur, Nepal
- +977-9846871041
- mptripathi@gmail.com

Declaration

I hereby declare that, all the information stated above is true and genuine in my belief. I can dispense any and/or all of the mentioned works in verified form whenever demanded.