

CURRICULUM VITÆ

**Name**

Dr Hom Nath Pathak

Date of Birth

1970/07/05

Permanent Address

Okharbot, Paiyunpata-13, Baglung, Dhaulagiri, Nepal

Temporary Address

Pokhara-5, Smriti marg-132.2, Kaski, Gandaki, Nepal

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homnpathak@gmail.com, hompathak@yahoo.com

Academic Qualification

1. PhD (Biological Invasion) from Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal in the year 2023 (2080 BS)
2. M.Sc (Botany) from Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu, Nepal in the year 1999 (2055 BS)
3. BSc (Biology) from Amrit Science Campus, Lainchaur, Kathmandu, Nepal, in the year 1992 (2049 BS).
4. I Sc (Biology) from Birendra Multiple Campus, Bharatpur, Chitwan, Nepal, in the year 1989 (2046 BS).

Designation:

Assistant Professor (Lecturer) and Head

Department

Department of Botany, PN Campus

Experience

Buddha Jyoti Shishu Niketan (Boarding School), 1991-1995 Kathmandu, Science Teacher.

Jana Prem High School, 1997 -1999, Bhuskat, Baglung, ScienceTeacher

Gandaki H.S.B. School, Pokhara, 2000-2003, Science teacher (till 2003)

Step By Step H.S.B. School, Pokhara, 2003-2016, Science Teacher. (till 2016)

P.N Campus, Pokhara 1999 onwards, Botany Teacher, T.U

1. Botany teacher in Science Education, Department of Education, PN Campus, from 1998-2000 (2055-2057 BS), PNC, TU.
2. Botany teacher for ISc 1st year from 2000-2003 (2057-2060BS) in PNC, TU.
3. Teacher for Environmental Botany for BSc III from 2004-2067 (2061-2070 BS), in PNC, TU.
4. Teacher for Environmental Botany for BSc IV from 2072 onwards.

Paper Setting

1. Question paper setting for BSc forestry entrance examination for almost five times.
2. Question paper setting once for Pokhara University.

Scrutiny

3. Once Involved in paper scrutiny for forestry answer sheets

External Examiner

4. External examiner for the Botany Practical exam at Tribhuvan Multiple Campus Palpa for one year.
5. External examiner for the Botany Practical exam at Mahendra Multiple Campus Baglung for two years

Examination Observer

1. Conducted exams as an observer in Nuwakot Adarsha Multiple Campus, Battar, Nuwakot for the year 2021.

FSU Election Committee Member

For the year 2079

Grant received

6. Received 'Jehendra Chhatrapati' while being at High School in 1983.
7. Research grant received from NBCC (Nepal Biodiversity Conservation Centre, Kathmandu) for completion of MSc thesis till 1998.
8. Research grant received from research committee, Prithvi Narayan Campus, TU, for mini research during 2008/2009.
9. Research grant received from Nepal Academy of Science and Technology (NAST) for research on rice during 2011.
10. Research grant received from IDEA WILD, USA, for research on conservation of *Myrsine capitellata* Wall. during 2012/13.
11. Research grant received from the Ministry of Science, Technology, and Environment, Government of Nepal for the study on Succession in Abandoned Fallows of Goths in Panchase, Kaski in 2014.
12. Research grant for Ph.D. Project from Hariyoban Program, WWF-Nepal (2019/2023).
13. Ph.D. Fellowship from Co-ordination Division, Rector's Office, Tribhuvan University.

Trainer

1. GBS Dalton Training (On-The-Job Teachers' Training Program) On 'Cytogenetics' from 4th October to 18th December 2002, organized by GBS and Rotary Club of Pokhara Mid-Town.
2. GBS Dalton Training (On-The-Job Teachers' Training Program) On 'Teaching Biology' from 7th November to 26th December 2003, organized by GBS and Rotary Club of Pokhara Mid-Town.
3. Morning star-Dhawalagiri- Hillside Boarding Schools' Teachers' Training Workshop, Kaski- 2004 on 8th of July, 2004.

Training

1. Participatory Training on 'Enterprise Planning for Non Timber Forest Products' organized by Institute of Forestry, Pokhara On April 09-13, 2001.
2. Computer Training on MS-DOS, Word Perfect 5.1, Lotus 1-2-3, dBase IV from 1st June to 31st August 1993, in LINKAGE, Kathmandu, Nepal
- 3.

Conference Participation

1. IIND National Conference on Science and Technology organized by RONAST (June 8-11, 1994, Kathmandu, Nepal).
2. Second International Workshop cum Seminar on Legume Database of South Asia (May 1-3, 1995, Kathmandu, Nepal).
3. Workshop on Local Effects of Large Scale Global Changes: A Case Study in the Himalayas Nepal, (November 2-4, 2006, Pokhara, Nepal)
4. National Seminar on Sustainable Use of Biological Resources with the special theme: Medicinal and Aromatic Plants (April 22-23, 2007, Pokhara, Nepal).
5. International Conference on Biodiversity, Livelihood and Climate Change in the Himalayas (December 12-14, 2010, Kathmandu, Nepal)
6. Fourth International Conference on 'Mountain in the Changing World' (MochWo) held at Kathmandu, October 18-19, 2019.
7. National Conference on Integrating Biological Resources for Prosperity held at Biratnagar, February 6-7, 2020.
8. Himalayan Knowledge Conclave, Seventh Graduate Conference on Environment and Sustainable Development held at Kathmandu, May 24-25, 2021.
9. International Conference on Biodiversity and Bio-prospecting held at Kathmandu, June 22-24, 2022.

Paper presentation

- 'Documentation of Non Timber Forest Products in Paiyunpata' titled paper was presented in National Seminar on Sustainable Use of Biological Resources with the special theme: *Medicinal and Aromatic Plants* (April 22-23, 2007, Pokhara, Nepal).
- 'Inventory on Ethno-botanical Knowledge on *Oryza sativa* L. Cultivated in Paiyunpata VDC, Baglung' titled paper was presented in a workshop organized by the research committee, PN Campus (May 5, 2009)
- 'Agro-morphological diversity of *Oryza sativa* L. cultivated in Paiyunpata, Baglung, Nepal' titled paper was presented in XXVI ALL INDIA CONFERENCE OF THE INDIAN BOTANICAL SOCIETY, Department of Botany, DDUGU, Gorakhpur, UP, India.
- Impacts of invasive alien plant species on ecosystem services in the Tenth Ramsar Site (Lake Cluster of Pokhara Valley), Nepal. National Conference on Integrating Biological Resources for Prosperity held at Biratnagar, February 6-7, 2020.
- Spatial distribution of invasive alien plant species in the lake cluster of Pokhara Valley, central Nepal. Fourth International Conference on 'Mountain in the Changing World' (MochWo) held at Kathmandu, October 18-19, 2019.
- Floristic diversity in the Lake Cluster of Pokhara Valley. Himalayan Knowledge Conclave, Seventh Graduate Conference on Environment and Sustainable Development held at Kathmandu, May 24-25, 2021.

- Diversity of naturalized plant species in Lake Cluster of Pokhara Valley, Nepal. International Conference on Biodiversity and Bio-prospecting held at Kathmandu, June 22-24th, 2022

General articles

1. Pathak, H.N (1995) Orchid Kina Mahatwopurna Chha? In: *Yuba Manch*, Year 8 vol 2 Page 33 (National monthly magazine)
2. Pathak, H.N (2000) Kheti Pranali Pani Pradushan Ko Ek Karak Tatwo. In: *Taal Nagari* Year 2, Vol 1, Page 5, (Environmental Supplement).
3. Pathak, H.N (2004) Deforestation of *Myrsine*: Cause, Consequences and Conservation. In: *Baglung Samaj Smarika*. Page 60-61
4. Pathak, Hom (2005) Khoriya kheti Parnali Ra Es Ko Saamajic Asar. In *Step By Step Smarica* -2064, Page 130.
5. Pathak, H. N (2007) Occupational Motivation of Boarding Students (A Case Study of Gandaki Boarding Students). In *Pragyamanach*, Year 21, Issue 10.
6. Pathak, Hom Nath (2011) What is gene therapy? A short communication. In: *Pokhara Sampreshan*, Annual magazine. Mount Valley College and Pokhara H S School, Bagar -1, Kaski (Pub), Page 42-44.
7. Pathak, Hom (2012) Ke Hami pani Baigyanic Banna Sakchhaun? *Creative Science*, Vol. 2 Page 45.
8. Pathak, Hom Nath (2012) A Glimpse at Carbon Sequestration. In *Pradhyapak Udhghosh*. Year 1, No 1 Page 240-243. Nepal Rastriya Pradhyapak Sangathan, PN Campus Unit, Pokhara.
9. Pathak, Hom Nath (2011) Factors Leading Khoriya Abandonment to Secondary Succession in Lwang/Ghalel VDC, Kaski. In: *Pokhara Sampreshan*, An Annual Magazine. Vol. 1, Page 64-68. Pokhara Higher Secondary School, Bagar-1, Kaski, Nepal.

Research Papers

1. Pathak, H.N and G.P.S, Ghimire (2005) Species Diversity and Other Community Characters in Khoriya Fallows under Secondary Succession. In: *Nepal Journal of Plant Sciences*. Vol 1. Page 91-95. Nepal Botanical Society, Kathmandu. peer-reviewed journal
2. Pathak, H.N, and K. Panta (2006) Pattern of Secondary Succession in Khoriya (Slash and Burn). In: *Janapragyamanach*. Vol 7. Page 30-35. Tribhuvan University Teacher's Association, JMC Unit, Pokhara.
3. Panta, K and H. N, Pathak (2008) The Use of Plants in Main Hindu Festivals. In: *Janapragyamanach*. Vol 9. Page 32-40. Tribhuvan University Teacher's Association, JMC Unit, Pokhara.
4. Pathak, Hom Nath (2009) An Overview on Ethnobotanical Knowledge on *Oryza sativa* L cultivated in Paiyunpata VDC, Baglung. In: *Himalayan Scientific Journal*. Vol. 2, Page 53-57. Prithvi Narayan Campus, Institute of Science and Technology, Tribhuvan University. peer-reviewed journal
5. Pathak, H.N (2010) Documentation of Non-Timber Forest Products Used in Paiyunpata Village, Baglung, Nepal. Proceedings of National Seminar on Sustainable Use of Biological Resources in Nepal, held at Pokhara, Apr 22-23, 2007, Ecological Society (ECOS), Kathmandu, Nepal. Proceedings book
6. Pathak, H.N and G.P, Paudyal (2011) Diversity, Uses and Protection of Rice (*Oryza sativa* L) in Paiyunpata VDC, Baglung. In: *Prithvi; A Multidisciplinary Research Journal*. Vol. IV, Page (28-32). Research Committee, Prithvi Narayan Campus, Pokhara, Tribhuvan University, Nepal. peer-reviewed journal

7. Pathak, H.N (2011) Cultivated Plants: Fodder, Fruits, Vegetables and Legumes from Paiyunpata VDC, Baglung. In: *Himalayan Scientific Journal*. Vol. 4, Page 87-92. Prithvi Narayan Campus, Institute of Science and Technology, Tribhuvan University.
8. Pathak, Hom Nath (2014) Study of *Myrsine capiitellata* Wall. in Forest Areas of Paiyunpata Village, Baglung, Nepal. *International Journal of Environment (IJE)* Vol 3 issue 2. peer-reviewed print
9. Hom N Pathak (2015) Secondary Succession in Abandoned Crop Fallows: A Review, *International Journal of Environment*, Volume-4, Issue-3, June-August 2015. Peer reviewed print
10. Hom N Pathak (2017) Biological Invasion in Wetlands: A Literature Review. *Pragyamanach*, Volume-15. Peer-reviewed journal.
11. Hom Nath Pathak (2018) Agro-Morphological Diversity (Quantitative Traits) Of Rice (*Oryza Sativa* L.) Cultivated in Baglung District, Nepal. *Himalayan Biodiversity*, Volume-6. Peer-reviewed.
12. Hom Nath Pathak et al. (2019) Floristic Diversity in the Lake Cluster of Pokhara Valley, Central Nepal. *Journal of Natural History Museum*, Volume-31. Peer-reviewed.
13. Hom Nath Pathak (2020) Agro-Morphological Diversity (Qualitative Traits) of *Oryza sativa* L. Cultivated in Paiyunpata Village, Baglung, Nepal. *Nepal Journal of Science and Technology (NJST)*. Volume- 19 Issue-1. Peer-reviewed.
14. Hom Nath Pathak et al. (2020) Spatial Distribution of Invasive Alien Plant Species in Pokhara Valley, Nepal. *Pak. J. Bot.*, Volume-53 Issuep-3. International, Peer-reviewed, Scimago, Impact factor, Q₂ journal.
15. Hom Nath Pathak et al. (2021). Impacts of Invasive Alien Plants on Ecosystem Services of Ramsar Lake Cluster in Middle Mountain Nepal. *Global Ecology and Conservation*, Volume-27. International, Peer reviewed, Impact factor, Q1 journal.
16. Sapana Kafle & Hom Nath Pathak (2023). Diversity of Orchids in Shiureni Forest, Aadhikhola Rural Municipality, Syangja, Nepal. *Himalayan Biodiversity*, International, Peer Reviewed, Volume-9.

17. Short communication

Hom N Pathak (2012) Agro-morphological characteristic of tangale landrace of *Oryza sativa* l. Cultivated in Baglung, Nepal. In: *Asian Journal of Biology and Biotechnology* 2012. ajbbonline.com Volume: 1 issue (1). peer-reviewed print

Theses

M.Sc. Thesis {Vegetational succession and impacts of Socio-economic factors on Khoriya (an Ecological Study at Lwang/Ghalel VDC, ACAP)}

M.A. Thesis {Composition, distribution and occupational motivation of Boarding students (a case study of Gandaki Boarding School)}.

Dissertation

Ph.D. dissertation entitled "Diversity, Distribution, and Impacts of Invasive Alien Plant Species in Lake Cluster and Associated Landscape in Pokhara Valley, Nepal".

Reports

- Inventory on Ethnobotanical Knowledge on *Oryza sativa* L. Cultivated in Paiyunpata VDC, Baglung. Submitted to the research committee, Prithvi Narayan Campus, Tribhuvan University.
- Agro-morphological diversity of *Oryza sativa* L cultivated in Paiyunpata VDC, Baglung, final report submitted to Nepal Academy of Science and Technology, Khumaltar, Lalitpur, Nepal.
- Secondary Succession and Soil Nutrient Dynamics in Abandoned Fallows of Goths in Panchase Area, final report submitted to Institute of Science and Technology, Tribhuvan University, Nepal and Ministry of Science, Technology and Environment, Government of Nepal.
- Spatial Distribution Mapping of Invasive Alien Plant Species in Road Networks of Pokhara Valley, Nepal, final report for mini research submitted to Institute of Science and Technology, Tribhuvan University, Nepal.
- Impacts of Invasive Alien Plant Species on Ecosystem Services in the Lake Cluster of Pokhara Valley, Nepal, final report submitted to Hariyoban Program, WWF, Nepal.

Books

Bigyan Kathaharu {Science Stories in Nepali ISBN 978-9937-8-1920-7} Published in 2013 by Acme Global Publication, Kathmandu, Nepal.

Botany for Medical Students (ISBN 978-9937-0-5325-9). published in 2075 by Ozone Books.

Environmental Botany (ISBN 978-9937-9-1196-6). Published in 2018 by ABC Publication.

Know Biology (ISBN 978-9994-6-7897-8). Published in 2012 by Ozone Books, Pokhara, Nepal.

Medical Botany. Published in 2006 by Ozone Books, Pokhara, Nepal.

Occupational Motivation of Boarding Students: a case of GBS, Nepal (ISBN 978-3-659-12695-6). Published in 2012 by Lap-Lambert Publishing, Germany.

Science Stories (English Translation by Ram Chandra Upadhyaya, Pokhara, Nepal) Published by A

Yug Ko Sandesh (ISBN 978-9937-2-5639-1) Collections of Poems. Published in 2069 by Krishna Publication, Pokhara, Nepal.

Book Edited

Pradhyapak Udhghosh, Year 1, No 1, 2012. National University Teachers' Organization Nepal, PN Campus Unit, Pokhara.

License

License holder for Motorcycle, Scooter and Moped

Other affiliation

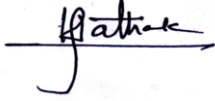
1. Life member: Botanical Society of Nepal (BSON).
 2. Member: Botanical Society of Nepal, Gandaki Province Chapter.
 3. Permanent member: Baglung Samaaj Pokhara.
 4. Permanent member: Gitanjali Sahitya Prathisthan
 5. Review member: International Journal of Environment (Peer Review Journal - IJE).
 6. Review member: Biological Invasion(Q1 journal -BI).
 7. Member: IUCN SSC Global Tree Specialist Group.
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An interview with Public 4K TV

https://www.youtube.com/watch?v=YCkU_V_wvTQ. डा. होम पाठक के भन्छन् त फेवाताल बारे <https://www.youtube.com/watch?v=aGAU8iOaCjl> पोखराका तालहरुमा जलकुम्भी नियन्त्रण गर्ने विज्ञले दिए तिन सुझाव मिचाहा वनस्पती विज्ञ डा.होमनाथ पाठक

Certification:

I, the undersigned, certify to the best of my knowledge that this CV correctly describes my qualifications and my experiences.



Signature
10/13/2023