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**List of Publications**

**books** (**Authored 5**, **Edited 17**)

1. **Jha P K** and Sen, D N. 1985. **Biology and Ecology of *Cyperus rotundus*****Linn**. Publ: Geobios International, Jodhpur, India. 168 pp.
2. **Jha P K (Eds.**). 1987. **Readings on Environmental Issues**. Publ: Nepal National Committee for Man and the Biosphere, Kathmandu, Nepal, 107 pp.
3. Zobel, D B, **Jha P K**, Behan M and Yadav U K R, 1987. **A Practical Manual For Ecology.** Ratna Book Distributors, Kathmandu, Nepal, 149 pp.
4. **Jha P K.** 1992. **Environment and Man in Nepal**. Tec. Press Service, Bangkok, 113 pp.
5. Shah, R and **Jha P K** (Eds.) 1996. **Proceedings of the Discussion Forum on Pollution Preventing Strategies for the Kathmandu, Valley.** Publ: The Royal Nepal Academy of Science and Technology, Kathmandu, Nepal, 50 pp.
6. **Jha P K**, G P S Ghimire, S B Karmacharya, S R Baral and P Lacoul (Eds.) 1996. **Environment and Biodiversity**: **In the Context of South Asia.** Publ: Ecological Society (ECOS), Kathmandu, Nepal, 410 pp.
7. Shrestha, K K, **Jha P K**, Pei Shengji, A Rastogi, S Rajbhandari and M Joshi (Eds.) 1998. **Ethnobotany and Conservation for Community Development.** Publ: Ethnobotanical Society of Nepal and International Center for Integrated Mountain Development (ICIMOD), 180 pp.
8. **Jha P K**, S B Karmacharya, S R Baral and P Lacoul. 2000. **Environment and Agriculture**: **At the Crossroad of the New Millennium**. Publ: Ecological Society (ECOS), Kathmandu, Nepal, 578 pp.
9. **Jha P K**, S R Baral, S B Karmacharya, H D Lekhak, P Lacoul and C B Baniya, 2001. **Environment and Agriculture**: **Biodiversity**, **Agriculture and Pollution in South Asia.** Publ: Ecological Society (ECOS), Kathmandu, Nepal, 605 pp.
10. **Jha P K**, S D Joshi, D D Shakya, R P Chaudhary and S R Sakya (Eds.) 2004. **Research Methods and Practice**. Buddha Academy Pvt. Ltd, Kathmandu, 206 pp.
11. **Jha P K**, R P Chaudhary, S B Karmacharya and V Prasad (Eds.) 2006. **Environment and Plants**, Ecological Society (ECOS), Kathmandu, 307 pp.
12. **Jha P K**, S B Karmacharya, M K Chettri, C B Baniya and B B Shrestha **(Eds.**) 2008. **Medicinal Plants in Nepal**: **An Anthology Of Contemporary Research.** Ecological Society (ECOS), Kathmandu, 307 pp
13. **Jha P K**, S B Karmacharya, M K Chettri, C B Thapa and B B Shrestha (Eds.) 2008. **Sustainable Use of Biological Resources.** Publ: Ecological Society (ECOS), Kathmandu, Nepal. 255 pp.
14. **Jha P K** and I P Khanal. 2010. **Contemporary Research in Sagarmatha** (**Mt Everest**) **Region**, **Nepal**: **An Anthology (Eds.**) Publ Nepal Academy of Science and Technology (NAST), Kathmandu. 262 pp.
15. K C Madhu and **Jha P K.** 2012. Ecophysiological Study of *Paris polyphylla* sm. LAP Lambert Academic Publishing, ISBN-13: 9783659153512.
16. **Jha P K**, F P Neupane, M L Shrestha and I P Khanal (Eds.). 2013. **Biological resources and Conservation** (Nepalpedia Series No 2). Publ. Nepal Academy of Science and Technology (NAST) Kathmandu, 686.
17. **Jha P K**, F P Neupane, M L Shrestha and I P Khanal (Eds.). 2013***. Environment and Natural Resources*** (Nepalpedia Series No 1). Publ. Nepal Academy of Science and Technology (NAST) Kathmandu, 558 pages.
18. **Jha P K**, Y B Thapa, U Pun, R, KC and B Pant (Eds.) 2014***.* Proceedings of National Workshop on NTFP/MAP Sector Action Plan Development. Orchid**. Publ. Department of Plant Resources, Ministry of Forest and Soil Conservation and Central Department of Botany, Tribhuvan University, Kathmandu. pp. 104.
19. **Jha P K**, K K Shrestha, R P Chaudhary and B B Shrestha (Eds.) 2015. **Proceedings of International Conference on Biodiversity**, **Livelihood and Climate Change in the Himalayas.** Central Department of Botany, Tribhuvan University, Kirtipur, Kathmandu. 241 pp.
20. **Jha P K**, M Siwakoti and S Rajbhandari (Eds.) 2016**. Frontiers of Botany**. Central Department of Botany-Tribhuvan University, Kathmandu, 328 pp.
21. Bhatta, K N , **Jha P K** and A Devkota. 2017. **Modern Approach to Botany**, Surya Publications, Jalandhar, India.
22. Siwakoti M, **Jha P K**, S Rajbhandary and S K Rai (Eds.) 2020. **Plant Diversity in Nepal**, Published by Botanical Society of Nepal.

**RESEARCH PAPERS IN INTERNATIONAL JOURNALS**

1. **Jha P K** and Sen, D N. 1980. Drought avoidance by *Cyperus rotundus* L. *Folia Geobotanica et Phytotaxonomica,* 15: 387-394.

2. **Jha P K** and Sen, D N. 1981. Ecology of arid zone weeds IX. *Echinops echinatus*Roxb. *Geobios*, 8: 69-71.

3. **Jha P K** and Sen, D N. 1981. Seed Production and germination behaviour in nutgrass (*Cyperus rotundus*)*. Australian Weeds,* 1: 8-9.

4. Lekhak H D, **Jha P K** and D N Sen. 1983. Ecological races: Adaptation of *Aerva javanica*to Indian desert. *Journal of Arid Environment,* 6: 99-105.

5. **Jha P K** and D N Sen. 1984. Ecology of Indian arid zone weEds. X. *Cyperus rotundus* L*. Geobios New Reports,* India, 1984, 3: 58-60.

6. **Jha P K** and D N Sen. 1985. Adaptation and survival strategy in *Cyperus rotundus*L: a perennial weed of pan-tropical distribution. *Folia Geobotanica et Phytotaxonomica,* 20: 281-289.

7 **Jha P K** and S P Sah. 1986. Element concentration in wood of different tree species of Phulchowki hill. *Journal of Current Biosciences*, 3: 45-49.

8. **Jha P K**, J P Sah and M K Chetri. 1987. Amaranth distribution in Nepal. *Amaranth News Letter, Panama,* No. 3, pp. 3-4.

9. **Jha P K**, J P Sah and M K Chetri. 1992. Amaranth productivity under biological stresses. *Crop Research,* 5: 195-198.

10. Prakash, D, M Pal, G P Shrivasatava, B D Joshi and **Jha P K.** 1993. Vitamin C in leaves and seed oil content of *Amaranthus* species. *Amaranth News Letter* (Guatemala), No 3: 10-17.

11. **Jha P K**, G R Tripathi and G P S Ghimire. 1994. Royal Chitwan National Park: Past and Present: *Tiger Paper,* 21 (3): 5-10.

12. **Jha P K**, M P Upadhyay, K K Shrestha, D Stimart and D Spooner. 1995. Plant genetic resources in Nepal: A guide for plant breeders of agricultural, horticultural and forestry crops, *Euphytica* Netherland, 1 87: 189-210.

13. **Jha P K.** 1995. Pollution preventing efforts and strategies for the Kathmandu, valley. *Air Water and Soil Pollution* Netherland, 85 (1-4): 2643-2648.

14. Rajbhandari S, Baral S R and **Jha P K.** 1998. Utilization of lower plants in Nepal. In: *Vasundhara,* **2**: 44-47.

15. Bajracharya S, M Burathoki and **Jha P K.** 1998. Nutrient in Amaranth *hypochondriacus* *Neobotanica,* 1: 9-13.

16. Rawal D and **Jha P K.** 1998. Effects of air pollution on roadside shrubs in the Kathmandu, city. *Vasundhara* (*Int. J. of Env. Biology*)*,* 3138-42.

17. Shrestha S, **Jha P K** and K K Shrestha. 1998. Vegetation of degraded, regenerating and natural forest in Riyale, Kavrepalanchok, Nepal. *Pakistan Journal of Plant Science,* 4: 13-28.

18. Aryal, B, A Giri, K K Shrestha, S K Ghimire and **Jha P K.** 1999. Vegetation analysis of *Shorea robusta* forests in the Royal Bardia National Park, Nepal. *Bangladesh J. Botany* 28: 35-46

19. Bhatt, L R, S P Parajuli, P Lacoul, H D Lekhak and **Jha P K.** 1999. Physico-chemical characteristics and Phytoplanktons of Taudaha Lake. *Pollution Research*, **18**: 353-358

20. Jha, S and **Jha P K.** 2000. Seasonal changes in important value index and biomass in a lowland Nepalese grassland community. *Geobios*. 27: 25-30.

21. Shrestha, R, S B Karmacharya and**Jha P K.** 2000. Vegetational analysis of natural degraded forests in Chitrepani in Siwalik region of Central Nepal, *Tropical Ecology*, 41: 111-114.

22. Bhattarai, B P, S K Ghimire, K K Shrestha and **Jha P K.** 2000. Phenological periodicity of some tree species in the Royal Bardia National Park, Nepal. *Vasundhara* (*Intn. Journal of Environmental Biology*) 5: 69-77.

23. Jha S and **Jha P K.** 2000. Contribution to the flora of Morang district and adjoining areas of Nepal. *LIDIA* (*Norwegian Journal of Botany*)*,* 5: 25-64.

24. **Jha P K.** 2001.Transportation sector technical inspection system in Nepal 13 pages (www.un.org>esa>gite>landm>jhapkpaper)

25. Thapa, C B and **Jha P K.** 2002. Paddy crop weed competition in Pokhara, Nepal*. Geobios*, 29: 47-51.

26. **Jha P K** and H D Lekhak. 2003. Air Pollution studies and management efforts in Nepal. *Pure and Applied Geophysics*, 160: 341-348.

27. **Jha P K.** 2003. Transport sector technical inspection system in Nepal. Asia workshop on Inspection and monitoring Policy: global policy, UNESCO, Bangkok. 13 pp.

28. Paudyal, K, **Jha P K**, D B Zobel and C B Thapa. 2004. Pattern of leaf coductance and water potential of five Himalayan tree species. *Tree Physiology*. 24: 689-699.

29. Shrestha, B B, S Dall'Acqua, M B Gewali, **Jha P K** and G Innocenti. 2006. New Flavonoid glycosides from *Aconitum naviculare* (Bruhl) Stapf, a medicinal herb from the trans Himalayan region of Nepal. *Carbohydrate Reseach*. 341: 2161-2165.

30. Shrestha, B B, **Jha P K** and D B Zobel. 2006. Water relations and phenology *of Pinus roxburghii* arg. in the Churia hills, Central Nepal. *International Journal of Ecology and Environmental Sciences*. 32 (2): 183-192.

31. Mainali, K P, R Tripathi, **Jha P K** and D B Zobel. 2006. Water relations of Shorea robusta in mixed sal forest in the Churiya hills and plain of Central Nepal. *International Journa1 of Ecology and Environmental Sciences.* 32 (2): 143-152.

32. Jha, S N and **Jha P K.** 2006. Allelopathic potential of some herbaceous forage species at Biratnagar, Nepal. *Pakistan Journal of Plant Science*. 12 (2): 103-113.

33. Shrestha B B, Y Upreti and **Jha P K.** 2006. Wood properties in relation to foliar phenology ofsome planted tree species at Kirtipur, Central Nepal. *Tropical Ecology*. 47 (2): 201-209.

34. Rajbhandari, M, R Mentel, **Jha P K**, R P Chaudhary, S Bhattarai, M B Gewali, N Karmacharya, M Hippli and U Lindequist. 2007. Antiviral activity of some plants used in Nepalese traditional medicine. *eCAM*. 1-6.

35. Shrestha, B B, B K Ghimire, **Jha P K** and H D Lekhak. 2007. Regeneration of tree line birch (*Betula utilis* D. Don) forest in a trans Himalayan dry valley in central Nepal. *Mountain Research and Development*. 27 (3): 259-267.

36. Shrestha, B B, D R Luitel D Lamichane and **Jha P K.** 2007. Phenological events and water relations of some trees of subtropical forest. *International Journal of Ecology and Environmental Science.* 33 (4): 263-271.

37. Shrestha, B B, **Jha P K** and M B Gewali. 2007. Ecology of *Neopicrorhiza scrophulariflora* (Pennel) Hong, growing under different land uses in a trans-himalayan dry valley of central Nepal*. International Journal of Ecology and Environmental Science. 3*3 (4): 233-241.

38. Dall Acqua, B B Shrestha, S Comai, G Innocenti, M B Gewali and **Jha P K.** 2008. Two phenolic glycosides from *Curculigo orchioides* Gaertn. *Fitoterapia.* 80: 279-282.

39. Dall Acqua, B B Shrestha, M B Gewali, **Jha P K** and G Innocenti. 2008. New diterpenoids alkaloids from *Aconitum naviculare* (bruhl) Stapf. *Natural Product Communication.* 3 (2): 1985-1989.

40. Shrestha, B B and **Jha P K.** 2008. Habitat range of two alpine medicinal plants in a trans-himalayan dry valley, central Nepal. *Journal of Mountain Science.* 6: 66-77.

41. Devkota A and **Jha P K.** 2008. Growth performance and nutrient status of centella asiatica (L) Urban in different land uses of Kathmandu, valley, Nepal*. International Journal of Ecology and Environmental Science.* 34 (3): 269-275.

42. Kaphle, K, D R Bhuju, **Jha P K** and H N Bhattarai. 2009. An overture for eCAM: Science, Technology and Innovation initiation for prosperous health Nepal*. eCAM*, pp. 1-4.

43. Devkota A, S Dall'Acqua. G Innocenti and **Jha P K.** 2009. Quantitative analysis of secondary metabolites in *Centella asiatica* collected under different habitat conditions. *Chem. Anal* (Warsaw). 54: 1-7

44. Devkota A and **Jha P K.** 2009. Variation in growth of *Centella asiatica* along different soil composition. *Botany Research International*. 2 (1): 55-60.

45. Shrestha, B B and **Jha P K.** 2010. Life history and population status of the endemic Himalayan *Aconitum naviculare*. *Mountain Research and Development*. 30 (4): 353-364.

46. Devkota A, S Dall'Acqua, S Comai, G Innocenti and **Jha P K.** 2010. Centella asiatica (L) Urban from Nepal Quali and quantitative analysis of samples from several sites and selection of high terpene containing population from cultivation. *Biochemical Systematics and Ecology.* pp. 1-11.

47. Devkota A and **Jha P K.** 2010. Seed germination responses of *Centella asiatica*. *Brazilian Journal of Plant Physiology.* 22 (2): 143-150.

48. Devkota A and **Jha P K.** 2010. Effects of different light level on the growth traits and yield of *Centella* *asiatica. Middle East Journal of Scientific Research*. 5 (4): 226-230.

49. Chiara E, E C Menfredi, B Flury, G Viviano, S Thakuri, S N Khanal, **Jha P K**, R K Maskey, R B Kayastha, K R Kafle, S Bhochhibhoya, N P Ghimire, B B Shrestha, G Chaudhary, F Giannino, F carteni, S Mazazoleni and F salerno. 2010. Solid waste and water quality Management Models for Sagarmatha National Park and Buffer Zone., Nepal*. Mountain Research and Development*, 30 (2): 127-140.

50. Dall Aqua S, P Minesso B B Shrestha, S Comai, B B Shrestha, M B Gewali, **Jha P K** and G Innocenti. 2011. Triterpene derivatives from *Abies spectabilis* leaves of Nepalese origin. *Natural Product Communication*. 6 (6): 793-798.

51. Shrestha B B, **Jha P K** and D R Kandel. 2011. Reproductive ecology and conservation prospects of a threatened medicinal plants *Curculigo orchioides* Gaertn in Nepal. *Tropical Ecology*, 52 (1): 91-101.

52. Phoboo, S., P C Bhowmik and **Jha P K.** 2011. Seed germination of Swertia chirayita from the Nepal Himalaya under various environmental conditions*. Geobios*. 38 (2-3): 113-116.

53. Devkota A and **Jha P K.** 2011. Influence of water stress on growth and yield of *Centella asiatica. International Agrophysics.* 25: 211-214.

54. Paudyal, K, **Jha P K** and D B Zobel. 2012. Pressure-Volume curve analysis in five Himalayan tree species. *Physiological Ecology and Environmental Science.* 3: 1-11.

55. Phoboo, S, M D Pinto, A C Barbosa, D Sarkar, P C Bhowmik, **Jha P K** and K Shetty. 2012. Phenolic-linked biochemical rationale for the anti-diabetic products of *Swertia chiryita* (Roxb. ex Flem) Karst. *Phytotherapy Research. 27* (*2*)*: 227-235.* (*doi*: *10. 1002/ptr. 4714*) *8 pp.*

56. Misra, A, N K Shrivastava, A K Shrivastava and **Jha P K.** 2012. Biochemical and physiological basis of careful handling of plant harvest. *Agriculture and Biological Research.* 28: 76–101.

57. Devkota A and **Jha P K.** 2012. Effect of integrated manuring on growth and yield of *Centella asiatica. Tropical Ecology*. 54 (1): 89-95.

58. Dall Aqua S, P Minesso B B Shrestha, S Comai, **Jha P K**, M B Gewali, E Greco, R Cervellati and G Innocenti. 2012. Phytochemical and antioxidant related investigation on bark of *Abies spectabilis* (D Don) Spach from Nepal. *Molecules,* 17: 1686-1697.

59. Mandal R A, I C Dutta, **Jha P K**, S B Karmacharya, K Yadav, B Yadav, U Thapa and S M Haque. 2012. Effects of drivers of deforestation and forest degradation on forest carbon stocks in collaborative forest, Nepal. *International Journal of Conservation Science* 3 (4): 325-338.

60. Ghimire, N P, S K Rai, **Jha P K** and G U Caravello. 2012. Some Basilariophyceae from Nepal, including a new record. *Indian Hydrobiology* 15 (2): 189-193.

61. Ghimire, N P, S K Rai and **Jha P K.** 2012. Cyanobacteria from Khumbu region (Mt everest) including a new record for Nepal. *Indian Hydrobiology* 15 (2): 223-226.

62. Mandal R A, B K V Yadav, I C Dutta, **Jha P K**, S B Karmacharya, K K Yadav, S M Haque and A Shrestha. 2013. Impacts of climate change on marginal community and biodiversity in Tarai, Nepal. *Journal of* *Agricultural Extension and Rural Development.* 5 (3): 42-49.

63. Mandal R A, I C Dutta, **Jha P K** and S M Haque. 2013. Potential carbon offset in public plantation, Tarai, Nepal: Offering opportunity for REDD and soil fertility. *International Journal of Ecology and Development* (isder\_ceser@yahoo. com)

64. Mandal R A, I C Datta, **Jha P K**, S B Karmacharya and S M Haque. 2013. Evaluating public plantation and community planted forests under the CDM and REDD mechanism for carbon stock in Nepal. *International Journal of Conservation Science* 4 (3): 347-356.

65. Mandal R A, I C Dutta, **Jha P K**, S B Karmacharya, B K Yadav and R R Kafle. 2013. CO2 and CH4 emission from domestic fuel and livestock keeping in Tarai and Bhawar in Nepal: A household level analysis. *Environment and Natural Resources Journal*. 11 (1): 1-11.

66. Mandal R A, I C Dutta, **Jha P K** and S B Karmacharya. 2013. Evaluating sustainability in community and collaborative forests for carbon stocks. *International Academy of Ecology and Environmental Sciences.* 3 (2): 76-86.

67. Mandal R A, I C Dutta, **Jha P K**, S B Karmacharya and B K Yadav. 2013. Relationship between carbon stock and plant biodiversity in collaborative forests in tarai. I*nternational Scholarly Research Network* (*ISRN*) *Botany*. pp. 1-12. (http: dx. doi. org/10. 1155/2013/625767)

68. Hasan, M K, P Gatto and **Jha P K.** 2013. Traditional uses of wild medicinal plants and their management practices in Nepal–A case study in Makwanpur district. *International Journal of Medicinal and Aromatic Plants*. 3 (1): 102-112.

69. Hasan, M K, P Gatto and **Jha P K.** 2013. Can environmental income from wild medicinal plants contributes to annual household income: a case study from Makwanpur district in Nepal. *International Journal of Medicinal and Aromatic Plants*. 3 (1): 18-26.

70. Ghimire N P, **Jha P K** and G U Caravello, 2013. Chlorophycean algae in Khumbu Himalaya region of Nepal, including four new records*. World Journal of Science and Technology Research* (*WJST*)*.* 1 (7) 144-150.

71. Ghimire, N P, **Jha P K** and G Caravello. 2013. Water quality of high altitude lakes in the Sagarmatha (Everest) National Park, Nepal. *Journal of Environmental Protection* 6: 22-28.

72. Ghimire, N P, **Jha P K** and G Caravello. 2013. Physico Chemical parameters of high altitude rivers in the Sagarmatha (Mt. Everest) National Park, Nepal. *Journal of Water Resources and Protection* 5: 761-767.

73. Devkota A, S Dall' Acqua, S Comai, G Innocenti and **Jha P K.** 2013. Chemical composition of essential oils of Centella asiatical (l) Urban from different habitats of Nepal. *International Journal of Pharmaceutical & Biological Archives*. 4 (2): 300-304.

74. Yadav R K P, Shrestha S, Pokharel C P and **Jha P K.** 2013. Phyllosperic bacterial population of woody species in subtropical forest of Shivapuri-Nagarjun N210-219.ational Park, Nepal Himalaya. *International Journal of Life Science and Medical Research* 3 (5)

75. Devkota A, S Sharma, S R Ghimire and **Jha P K.** 2013. Evaluation of allelopathicpotential and phytochemical screening of some medicinal plant species of Nepal*. International* *Journal of Pharmaceutical and Biological Archives*. 4 (3): 439-445.

76. Mandal R A, I C Dutta, **Jha P K** and S M Haque. 2013. Potential carbon offset in Public participation for REDD+ and soil fertility. *International Journal of Ecology and Development,* 25: 21-32.

77. Phoboo, S, M D S Pinto, A C L Barbosa, D Sarkar, P C Bhowmik, **Jha P K** and K Shetty. 2013. Phenolic–linked antioxidant, antidiabetic and antihypersensitive potential of wild and cultivated Swertia chirayita (Roxb. ex Flem) Karst using in vitro assays. *Journal of Herbs, Spicesand Medicinal Plants.* 20 (1): 55-59.

78. Mandal R A, **Jha P K**, I C Dutta, A Chaudhary and S B Karmacharya. 2014. Valuation of CO2 sequestration in publication and community planted forests in Tarai, Nepal. *E-Planet,* 11: 1-7.

79. Ghimire, N P, B B Shrestha, **Jha P K** and G Caravello. 2014. Metals assessments in the water bodies of Sagarmatha National Park and Buffer Zone, Nepal. *Journal of Water Resources and Protection* 6; 68-74.

80. Mainali, J, J All, **Jha P K** and D R Bhuju. 2015. Responses of montane forest to climate variability in the central Himalaya of Nepal. *Mountain Research and Development* 35 (1): 66-77.

81. Mandal R A, I C Dutta, **Jha P K** and S B Karmacharya. 2015. Potential contribution of value of carbon in net income of community managed forests, Tarai, Nepal. *Science Postprint*, 1 (2) 1-6 (doi: 10. 14340/spp. 2015. 11A 0001).

82. Mandal R A, I C Dutta, **Jha P K** and S B Karmacharya. 2015. Effects of forest carbon on ecological value of species in collaborative forests, Tarai, *Nepal. International Journal of Conservation Science.* 6 (3): 391-400.

83. Mandal R A, **Jha P K**, I C Dutta, V Thapa and S B Karmacharya. 2016. Carbon sequestration in tyropical and sub-tropical plant species and collaborative and community forests of Nepal. *Advances in Ecology.* http//dx. doi. org/10. 1155/2016/1529703, Hindwai publications, 7p.

84. Mandal R A, D C Pokharel and **Jha P K.** 2016. Evaluating climate change resilience capacity of community forest users in Terhathum district, *Nepal. Journal of Climate Change*, 2 (8): 300-312.

85. Mandal R A, Nir Krakauer, A Jha, T Lakhankar, M Sharma and **Jha P K.** 2016. Effects of seasonal variables on cow milk production of small holders at Voltar, Gurusinghe and Jholpe villages in Nepal. *WAYAMB Journal of Animal Sciences*, 1368-1375 ([www. wayambajournal. com/documents/1467645923](http://www.wayambajournal.com/documents/1467645923)).

86. Phoboo, S, D Sarkarr, P C Bhowmik, **Jha P K** and K Shetty. 2016. Impoving salinity resilience in *Swertia chirayita* clonal line with *Lactobacillus plantarum*. *Canadian Journal of Plant Science.* 96 (1): 117-127.

87. Mandal R A, I C Dutta, **Jha P K** and S B Karmacharya. 2016. Carbon sequestration potential in community and collaborative forests in Terai, Nepal. *Tropical Ecology* 57 (4): 655-662.

88. Devkota A and **Jha P K.** 2016. Variation in growth traits and yield of *Centella asiatica* (L.) from different eco-rgions of Nepal. *Physiological Ecology and Environmental Science*. 8 (1 & 2): 21-28.

89. Chand D B, Paudyal K, Jha P K, Chhetri B, Adhikari S and Bista A. 2017. Water relationa and phenology in response to water stree in Quercus semecarpifolia along altitudinal gradient at Phulchowki, Nepal. *Ecophysiological Ecology and Environmental Science*. 9: 39-48

90. Mandal R A, I C Dutta, **Jha P K** and S B Karmacharya. 2017. Soil carbon dynamic in public plantations and community plant forests in Terai, Nepal. *Moj Eco Environ Sci* 2 (2): 00017. DOI: 10.15400/Mojes.2017.02.00017.

91. Bhattacharjee A, Anadon J D, Lohman, D J, Doleck, T, Lakhankar, T, Shrestha, B B, Thapa P, Devkota D, Tiwari S, Jha A, Siwakoti M, Devkota N R, **Jha P K** and Kraauer N. 2017. [The impact of climate change on biodiversity in Nepal: current knowledge, lacunae and opportunities.](https://www.mdpi.com/2225-1154/5/4/80) *Climate* 5, 80; doi: 10.3390/

92. Bhandari G, Jha S K, Giri Y P , Manandhar H K, **Jha P K**, Devkota N, Thapa P, Thapa R B. 2017. [Performance evaluation of locally developed black light trap for maize insects monitoring in Chitwan, Nepal.](https://www.nepjol.info/index.php/JMRD/article/view/18926) *Journal of Maize Research and Development.* 3 (1): 98-107.

93. Mandal R A, **Jha P K,** Krakauer, N, Jha, A and Lakhankar, T. 2017.[Assessing cost effective management options of *Eichhornia crassipes* in ecotourism Ramsar sites, Nepal.](http://ijasrt.iau-shoushtar.ac.ir/article_531209.html) *International Journal of Agricultural Science, Research and Technology in Extension and Education Systems.* Vol 7:

94. Mandal R A, Dutta I C and **Jha P K.** 2017. Comparing carbon stock and increment estimation using destructive sampling and inventory guidelines of *Acacia catechu, dalbergia sissoo, Eucalyptus camaldeluansis* and *Phylanthus emblica* plantations in Mahottary, Nepal. *International Journal of Chemistry, Physics and Mathematics,* 1 (1): 48-54 ([www.aipublication.com](http://www.aipublication.com))

95. Luitel D R, Siwakoti, M and **Jha P K.** 2017.[Climate, distribution an cropping pattern of finger millet in Nepal: A review.](https://ijaer.in/more2.php?id=270) *International Journal of Agriculture and Environmental Research,* 3 (5): 3854-3868.

96. Luitel D R, Siwakoti M and **Jha P K.** 2017. [An Overview: Distribution, Production and Diversity of Local Landraces of Buckwheat in Nepal.](https://www.researchgate.net/publication/320412938_An_Overview_Distribution_Production_and_Diversity_of_Local_Landraces_of_Buckwheat_in_Nepal) *Advances in Agriculture.* Volume 2017, Article ID 2738045, 6 pageshttps: //doi.org/10.1155/2017/2738045.

97. Tiwari A and **Jha P K.** 2018.An overview of tree line response to environmental changes in Nepal Himalaya*. Tropical Ecology*, 59 (2): 273-285.

98. Mandal R A, Dutta I C and **Jha P K**, 2018.Soil carbon, nitrogen and texture dynamics at root zone and between plants in riverine plantation of *Acacia catechu, Dalbergia sissoo, Phyllanthus* *emblica and* *Eucalyptus camaldulensis*. *Eurasian Journal of Soil Science,* 2: 103-108 (DOI 10.18393/ejss.340719).

99. Luitel D R, Siwakoti, M and **Jha P K.** 2019. Climate change and finger millet: Perception, trend and impact on yield in different ecological regions in Central Nepal. *Journal of Mountain Science*, 16 (4): 821-835. doi.org/10.1007/s11629-018-5165-1.

100. Paudel A S, **Jha P K**, Shrestha B B and Muniappan R. 2019. Biology and management of the invasive weed *Ageratina adenophora* (Asteraceae): Current state of knowledge and future research neEds. *Weed Research*, 59 (2): (DOI: 10.1111/wre.12351).

101. Upreti R., Shrestha A K Tripathi K M, Shrestha B, Krakauer N, Devkota N R, **Jha P K** and Thapa P. 2019. Effect of fruit thinning and defoliation on yield and quality of papaya (*Carica papaya*) cv. red lady in Chitwan.*Acta Scientific Agriculture,* 3 (4): 130-136.

102. Maharjan S, Devkota A, **Jha P K**, Krakauer N, Muniappan R andShrestha B B. 2019. Temporal and spatial patterns of research on a globally significant invasive weed *Parthenium hysterophorus* L.: A bibliographic review. *Crop Protection* (USA).

103. Maharjan S, Shrestha B B, Joshi M D, Devkota A, Muniappan R, Adiga A and **Jha P K.** 2019. Predicting suitable habitat of an invasive weed *Parthenium hysterophorus* under future climate scenarios in Chitwan Annapurna Landscape, Nepal. *Journal of Mountain Science,* 16 (10): 2243-2256.

104. Dhyani S, Devkota A, Shrestha S B and **Jha P K.** 2019. Biomonitoring of dust pollution of road side of Kathmandu, valley using air pollution tolerance index (APT). *Octa Journal of Environmental Research,* 7 (1): 001-009.

105. Phuyal N, **Jha P K**, Ratauri P P and Rajbhandary S. 2019. Essential oil composition of *Zanthoxylum armatum* leaves as a function of growing conditions. *International Journal of Food Properties*, 22 (1): 1873-1885. Vol 2020 (https://doi.org/10.1155/2020/8780704)

106. Phuyal N, **Jha P K**, Ratauri P P and Rajbhandary S. 2019. *Zanthoxylum armatum* DC: Current knowledge, gaps and opportunities in Nepal. *Journal of Ethnopharmacology*, 229: 326-341.

107. Devkota A and **Jha P K.** 2019.Phenotypic plasticity of *Centella asiatica* (L.) Urb. growing in different habitats of Nepal. *Tropical Plant Research* 6 (1): 1-9.

108. Khadka S, Jha S K, **Jha P K**.2019. Nutrients content in compost from water hyacinth and its effect on germination and growth of wheat. *Journal of Handayama Geography and Archaeology* (*Japan.*7: 51-158.

109. Maharjan S and **Jha P K.** 2019. Current distribution range of the leaf feeding beetle *Zygogramma bicolorata* on Parthenium hysterophorus in Nepal. *IOBC Newsletter* 105.

110. Phuyal N, **Jha P K**, Ratauri P P and Rajbhanday S. 2020. Total phenolic, flavonoid content and antioxidant activities of fruit, seed and bark extracts of *Zanthoxylum armatum* DC, *Scientific World Journal,* Vol 2020, Article 10.8780704, 7 pages (https: //doi.org/10.1155/2020/8780704)

111. D R Luitel, M Siwakoti, M Joshi, M Rangaswamy and **Jha P K.** 2020. Potential suitabile habitat of *Eleusine carocana* (L.) Gaertn. (finger millet) under the climatechange scenarios in Nepal. *BMC Ecology*) *20*: *19,* [https: //doi.org/10.1186/s12898-020-00287-6](https://doi.org/10.1186/s12898-020-00287-6)

112. Phuyal N, **Jha P K**, Ratauri P P and Rajbhandary S. 2020. In vitro antibacterial activities of methanolic extracts of fruits, seeds andbarkof zanthxylum armatum DC. *Journal of Tropical Medicine*, Vol. 2020, Article ID 2803063, 7 pp. ([http: //doi.org/10.1155/2020/2803063](http://doi.org/10.1155/2020/2803063)).

113. Luitel D R, Siwakoti, M and **Jha P K.** 2020. Nutrients in finger millet and soil at different elevation gradients in Central Nepal. *CABI Agriculture and Bioscience, 1-20,* doi.10.1186/s43170-020-00018-3

114. Luitel D R, **Jha P K**, Siwakoti, M, Shrestha M L and Rangaswami, M. *2020.*Climatic trend in different bioclimatic zones in Chitwan Annapurna Landscape, Nepal. *Climate*8, 2-18 136; doi.10.3390/cli8110136

115. Maharjan S, Devkota A, Shrestha B B, Baniya C B, Muniappan R and **Jha P K.** 2020. Prevalence and impact of *Puccinia abrupta* var. *partheniicola on Parthenium hysterophorus* in Kathmandu, Valley, Nepal.*Journal of Ecology and Environment* Vol 44 (25)2020 https.//doi.org/10.1186/5416.10.1186.10/020-00168=5

116. Paudel A S, Shrestha B B, **Jha P K**, Baniya C B and Muniappan R. 2020. Stem galling of *Ageratina adenophora* (Asterales: Asteraceae) by a biocontrol agent *Procecidochares utilis* (Diptera: Tephritidae) is elevation dependent in central Nepal. *Biocontrol Science and Technology* (doi: 10.1080/09583157.2020.1749991).

117. Paudel A S, Shrestha B B, Joshi M D, **Jha P K** and Muniappan R. 2020. Predicting the current and future distribution of an invasive weed *Ageratina adenophora* in Chitwan Annapurna Landscape, Nepal. *Mountain Research and Development* 40 (2): R661-R71 (https.//doi.org/10.1659/MRDJOURNAL-D-19-00069-1)

118. Shrestha S D and **Jha P K.** 2020. Micromorphological study of shrubs from roadsides in Kathmandu, valley. *International Journal of Plants and Environment* 6 (1): 51-55 (https.//doi.org/10.18811/ijpen.v6i1.06)

119. Bhandari, G S, Thapa R B, Giri Y P, Manadhar H K and **Jha P K.** 2020. Field efficacy of eco-friendly management practices against maize stem borers in spring maize at Rampur, Chitwan. *Azarian Journal of Agriculture* 7 (5): 146-155 (http: //dx.doi.org/10.29252/azarinj.040 www.azarianjournals.ir)

120. Phuyal N, **Jha P K**, Ratauri P P and Rajbhandari S. 2020. Comaprison between essential oil composition of *Zanthxylum armatuin* fruits grown at different altitudes and population in Nepal. *International Journal of Food Properties* 23 (1): 1971-1978 (doi.10.1080/10942912. 1833032)

121. Luitel D R, Siwakoti M, Joshi M D, Muniappan R and **Jha P K.** 2021. Potential suitable habitat of Buckwheat (*Fagopyrum* spp) under climate change scenarios. *Journal f Crop Science and Biotechnology* ([https: //doi.org/10.1007/s12892-021-00089-2](https://doi.org/10.1007/s12892-021-00089-2)).

122. Giri H N, Sharma M D, Thapa R B, Pande K R, Khatri B R and **Jha P K.** 2021. Efficacytesting of various pesticides for aphid management in cauliflower crop at Rampur, Chitwan, Nepal. *Azarian Journal of Agriculture,* 7(6): 173-178 ([http: //dx.doi.org/10.29262/ azarinj.643](http://dx.doi.org/10.29262/azarinj.643)).

123. Giri H N., Sharma M D, Thapa R B, Pande K R, Khatri B B and **Jha P K**. 2021. Evaluation oncurd quality of late season cauliflower varieties in mid-hill region of Nepal. *Journal of Applied* Horticulture, 23: in press.

124. Bhandari G., Thapa R B, Giri Y P, Manadhar H K and **Jha P K.** 2021. Occurrence of maize stem borer comples influenced by weather conditions along with an altitudinal gradient in Nepal. *Azarian Journal of Agriculture*, Vol 8 (accepted).

125. Giri H N, Sharma M D, Thapa R B, Pande K R, Khatri B H, **Jha P K** and Shrestha J R. 2022. Performance of late season cauliflower varieties in tropical region of Nepal. *Journal of Tropical Agriculture* (Accepted).

**RESEARCH PAPERS IN NATIONAL JOURNALS**

1. **Jha P K** and Sen, D N. 1979. Ecology and chemical control of *Chenopodium album*L. *Jour. Natural History Museum, T. U., Nepal,* 3: 139-146.

2. **Jha P K**, Kumar S and Sen, D N. 1982. Nutsedge-bajra competition in arid ecosystem. *Jour. Institute of Sci and Tech, Tribhuvan University, Nepal,* 5: 71-74.

3. **Jha P K** and Sen, D N. 1982. Effect of certain weedicides on tuber emergence of *Cyperus rotundus* L. *Jour. Institute of Sci and Tech, T. U. Nepal,* 5: 75-86.

4. Sah J P and **Jha P K.** 1983. Altitudinal variation of nutrients in leaf litter of major tree species of Phulchoki hill, Nepal. *Jour. Institute of Sci and Tech. T. U. Nepal,* 6: 17-26.

5. Baral S R and **Jha P K.** 1985. Soil nutrients in different forest types of Phulchoki hill. *Jour. Institute of Sci and Tech. T. U. Nepal,* 7: 9-14.

6. Sah J P and **Jha P K.** 1986. Seasonal variation of nutrients in leaf litter of major tree species of Phulchoki hill, Nepal. *Jour. Natural History Museum, T. U.* Nepal, 93-112.

7. **Jha P K**, Sah S P, Sah J P and Baral S R. 1986. Nutrients concentrations in and around *Rhododendron arboreum*Sm. *Nepal MAB Bulletin,* 7: 20-26.

8. **Jha P K**, Sah J P and Chetri M K. 1993. Amaranth in Mexico and Peru. *Bulletin of Tribhuvan University Botanical Society. Nepal,* 17-21.

9. Joshi S R and **Jha P K.** 1995. Biomass production in the Royal Chitwan National Park. *Ecoprint*, 2: 40-45.

10. Jha S, Pokharel B and **Jha P K.** 1996. Preliminary investigation in allelopathic potentials of some subtropical wild plants. *Ecoprint*, 3: 63-68

11. Shrestha S and **Jha P K.** 1997. Soil analysis of degraded, regenerating and natural forests in Riyale, Kavrepalanchowk, Nepal. *Ecoprint,* 4: 69-74.

12. Giri, A, Aryal B, Bhattarai, B, Ghimire S K, Shrestha K K and **Jha P K.** 1999. Vegetation composition, biomass production and regeneration in *Shorea robusta* forests in the Royal Bardia National Park, Nepal. *Nepal Journal of Science and Technology* 1: 47-56.

13. Jha S, Limbu N and **Jha P K.** 1999. Ecology of *Alysicarpus vaginalis* (L.) DC. *Scientific World* **1**: 43-47.

14. Ghimire S K, Shrestha A K, Shrestha K K and **Jha P K.** 2000. Plant Resource use and human impact around Royal Bardia National Park, Nepal. *J. Nat. Hist. Mus*. 19: 3-26.

15. Giri A, Aryal B, Ghimire S K, Shrestha K K and **Jha P K.** 2001. Vegetation composition and biomass production in riverine forest of the Royal bardia National park, Nepal. *Nepal Journal of Science and Technology*, 3: 33-40.

16. Karki S, **Jha P K** and Karmacharya S B. 2001. Vegetation analysis of riverine forests of Koshi Tappu Wildlife Reserve. *Botanica Orientalis*, 2: 147-149.

17. Jha S and **Jha P K.** 2002. Seasonal changes in physico chemical properties of soil and forage nutrients in lowland grassland. *Journal of Institute of Science and Technology, Tribhuvan University,* 14: 105-118.

18. Thapa C B and **Jha P K.** 2002. Ecophenology of weeds in paddy fields of Pokhara and Kathmandu*. Ecoprint*, 9: 30-42.

19. Thapa C B and **Jha P K.** 2003. Effects of herbicides and manual weeding on the yield of transplanted paddy (*Oryza sativa* L) in Pokhara. *Ecoprint*. 10: 35-41.

20. Paudyal K, **Jha P K** and Zobel D B. 2003. Seasonal changes in hydraulic conductance of Himalayan trees in response to drought*. Ecoprint*, 10: 59-74

21. Thapa C B and **Jha P K.** 2004. Reproductive biology of four dominant weeds of paddy fields of Pokhara*. Scientific World*. 2: 34-39.

22. Tripathi S, Shrestha B B and **Jha P K.** 2004. Seasonal changes in leaf conductance of three deciduous tree species in response to drought. *Botanica Orientalis*, 4: 55-58.

23. Paudel P, **Jha P K** and Gewali M B. 2005. *Artemisia dubia* Wall Ex extract of leaves on seed germination and seedling growth of some cultivated and wild herbaceous species. S besser (Mugwort): A weed to control weed. *Scientific World.* 3: 32–38.

24. Thapa C B and **Jha P K.** 2005. An ecological investigation on weeds of paddy fields at Pokhara, Nepal. *Journal of Natural History Museum, Tribhuvan University, Nepal,* 22: 71–78

25. **Jha P K.** 2006. Biological Resources and developmental opportunities in Nepal. *Nepalese Journal of Development and Rural Studies*. 3 (1): 65–76.

26. Jha S N and **Jha P K.** 2006. Germination response of some forage species of easter terai, Nepal. *Ecoprint*. 13: 49-60.

27. Shrestha B B, Upreti Y, Nepal K and Tripathi S and **Jha P K** 2007. Phenology and water relations of eight woody species in the coronation garden of Kirtipur Central Nepal. *Himalayan Journal of Science* 4: 49-56.

28. Maharjan S, Shrestha B B and **Jha P K.** 2007. Allelopathic effects of aqueous extract of leaves of *Parthenium* *hysterophorus* L on seed germination and seedling growth of some cultivated and wild herbaceous species*. Scientific World* 5: 37-39.

29. Shrestha B B, Uprety U, Nepal K, Tripathi R and **Jha P K.** 2007.Phenology and water relationsof eight woody species in the coronation garden of Kirtpur, central Nepal. Himalayan Journal of Science 4 (6) https.//doi/org/10.3126/hjs.v4/6.982

30. Ale R, **Jha P K** and N. Belbase N. 2008. Effects of distillery effluent on some agricultural crops: A case of environmental injustice to local farmers in Khajura VDC, Banke. *Scientific World*. 5: 68-75.

31. Devkota A and **Jha P K.** 2009. Ethnomedicinal uses of *Centella asiatica* in Gorkha district, Nepal*. The Nepal Journal of Forestry*. 13 (1): 39-42.

32. K C Madhu, Phoboo S and **Jha P K.** 2010. Ecological study of *Paris polyphylla* Sm. *Ecoprint.* 17: 87-93.

33. Devkota A, dall'Acqua S, **Jha P K** and Innocenti G. 2010. Variation in the active constituent contens in *Centella asiatica* grown in different habitats in Nepal. *Botanica Orientalis.* 7: 43-47.

34. Shrestha B B, Paudel B A, K C J, Karki D, Gautam R D and **Jha P K.** 2010. Fortious biological control of *Parthenium hysterophorus* by *Zygograma bicolorata* in Nepal. *Journal of natural History Museum, TU*. 25: 332-337.

35. Pathak, M L, Shrestha B B, Joshi Land **Jha P K.** 2010. Variation in length of vessel element and fiber of two species of *Rhododendron* along the altitudinal gradient in eastern Nepal. *Bull. of Department of Plant Resources*, Ministry of Forests and Soil Conservation, Nepal. 33: 67-71.

36. Phoboo, S, Pinto Da Silva M, Bhowmik P C, **Jha P K** and Shetty K. 2010. Quantification of major phytochemicals of *Swertia chirayita,* A medicinal plant from Nepal. *Ecoprint*. 17: 59-68.

37. Phoboo, S, Bhowmik P C, **Jha P K.** and Shetty K. 2010. Antidiabetic potential of crude extracts of medicinal plants used as substitutes for *Swertia chirayita* using in vitro assays. *Botanica Orientalis*. 7: 48-56.

38. Phoboo, S and **Jha P K.** 2010. Trade and sustainable conservation of *Swertia chirayita* (Roxb. and Fleming) h. Karst in Nepal*. Nepal Journal of Science and Technology*. 11: 125-132.

39. Niraula, R K and **Jha P K.** 2011. Phytodiversity and soil study of Siwalik hills of Ilam, Nepal *Ecoprint.* 18: 77-84.

40. Nazrul Islam, A K M, Khan F, Khan M R, Abdullah A N M and **Jha P K** 2011. Ecological conditions of a temporary wetland in Bangladesh. *Ecoprint.* 18: 71-76.

41. Devkota A, Bimb H P, Bajracharya J and **Jha P K.** 2011. Optimization of RAPD–PCR conditions for the study of genetic diversity of *Centella asiatica* L*. Nepal Journal of Science and Technology.* 12: 69-74.

42. Mandal R A, **Jha P K**, Datta I C, Karmacharya S B, Haque S M, Yadav K K and Yadav B K. 2012. Potential carbon offset in public plantation: offering opportunity for REDD+ and soil fertility. *Journal of University Grants Commission.* 1: 29-39.

43. Bhuju D R, Sharma S, **Jha P K** and Gaire N P. 2012. Scientific discourse of lakes in Nepal. *Nepal Journal of Science and Technology*. 13 (2): 147-158.

44. Ghimire N P, **Jha P K** and Caravello G U, 2013. Bacterial contamination in the surface waterbodies in Sagarmatha National Park and Buffer Zone. *Scientific World* 11: 94-96.

45. Pathak M, Shrestha B B, Joshi L and **Jha P K.** 2013. Variation in length of vessel element and fiber of two species of Rhododendron along the altitudinal gradient in eastern Nepal*. Bulletin of Department of Plant Resources*, DPR-Kathmandu, 33: 67-72.

46. Maharjan, S, Joshi S, Shrestha B B, Devkota A and **Jha P K.** 2014. Life history traits and invasion success of Parthenium hysterophorus L. in Kathmandu, valley, Nepal. *Nepal* *Journal of Science and Technology*, 15: 31-38.

47. Pathak M L, Shrestha B B, Joshi L, Gao X F and **Jha P K.** 2018. Anatomy of the *Rhododendron* species along the elevational gradientin eastern Nepal. *Ban ko Janakari* 28 (2); 32-44.

48. Luitel D R, Siwakoti, M, **Jha P K.** 2018. [Relationship between Climatic Variables and Finger Millet Yield in Syangja, Central Nepal.](https://www.researchgate.net/publication/330201533_Relationship_between_Climatic_Variables_and_Finger_Millet_Yield_in_Syangja_Central_Nepal) *Journal of Forest and Livelihood.* 16 (**2**): 1-13.

49. Bhandari G S, Thapa R B, Giri Y P, Manandhar H K and **Jha P K.** 2019. Farmer’s perception on climate change and maize cultivation in relation to insect diversity across the altitudinal gradientsof Nepal. *Journal of Agriculture and Forestry University-Nepal,* 3: 85-97.

50. Shah G, Anadon J D, **Jha P K** and Singh N B. 20. Distribution of vulture species and nesting in Chitwan Annapurna landscape, Nepal. *Vulture Bulletin* (Bird Conservation Nepal) 8: 5-9.

51. Thapa V, Anadon J D, **Jha P K** and Singh N B. 2019. Food access and threats to vultures in Chitwan Annapurna Landscape, Nepal. *Vulture Bulletin* (Bird Conservation Nepal). 9: 13-18.

52. Luitel D R, Siwakoti, M and **Jha P K.** 2020.*Eleusine coracana* (L) Gaertn (Finger millet): A crop with medicinal value. *Journal of Plant Resources*, 18 (1), 267-275,

53. Maharjan S, Shrestha B B, Devkota A, Muniappan R and **Jha P K.** 2020. Seed biology of summer and winter generations of *Parthenium hysterophorus.Journal of Environmental Sciences* 5*:* 112-117.

54. Shrestha S D, Devkota A and **Jha P K.** 2021. Assessment of air pollution impact on micromorphological and biochemical properties of *Callistemon citrinus* (Curtis) Skeels and *Lagerstoemia indica* L. *Scientific World* 14: 132-140.

55. Dhyani S, Devkota A, Shrestha S D and **Jha P K.** 2020. Effect of particulate matters on chlorophyll content in shrubby species growing along roadside of Kathmandu, Valley. *Botanica Orientalis* (in press).

56. Giri, H N, Sharma, M D, Pande, K R, Khatri, B B and **Jha P K.** 2021. Growth and yield of late season cauliflower (*Brassica oleracea* var. *botrytis* L.) varieties in mid-hill region of Nepal. *Agricultural Science Digest*, DOI: 10.18805/ag.D-342.

57. Maharjan S, Shrestha B B, Devkota A, Aryal P C, Muniappan R and **Jha P K**. 2021. Impact of the leaf beetle *Zygogramma bicolorata* on growth of *Parthenium hysterophorus* in climatically different locations of Nepal. *Nepal Journal of Science and Technology*, 20 (accepted).

**PAPERS IN PROCEEDINGS**

1. **Jha P K** and D N Sen. 1981. Allelopathic potential of *Echinops echinatus* Roxb. *Proc Eighth Asian-Pacific Weed Science Conf,* India, 2: 197-201.

2. **Jha P K.** 1987. Status of Plant Eco-physiology in Nepal. *Proc of Inter. Conf. on Plant Ecophysiology,* Biotrop special pub. No. 31 Indonesia, pp. 35-40.

3. **Jha P K** and Yadav M K. 1987. Allelopathic study on *Eupatorium adenophorum*Spreng. *Proc. of Intern. Conf. on Plant Ecophysiology*, Biotrop special pub No. 31 Indonesia, 1987: 1170-123.

4. **Jha P K**, Bajracharya D and Ghimire G P S. 1988. Environmental observations in Pashupati area. *Proc. of Seminar on Environmental Issues of Pashupati Area*: *Identification And Control Measures,* Royal Nepal Academy of Science and Technology, Kathmandu., pp. 54-64.

5. **Jha P K** Chetri M K and Sah J P. 1991. The *Amaranthus* in Nepal. *First International Amaranth Congress,* Mexico, Sept 22-27, pp. 54.

6. **Jha P K** and Chetri M K. 1992. Assessment of grain amaranth productivity in Nepal. *Proc. International Botanical Conference,* Bangladesh Botanical Society, Dhaka, pp. 99-106.

7. **Jha P K.** 1996. State of air pollution in Nepal. *Proceedings of the International Seminar of the Simple Measuring And Evaluation Method on Air Pollution.* Taiwan. pp. 35-44

8. **Jha P K.** 1996. Environment and Biodiversity in South Asia. In: *Environment and Biodiversity*: *In the Context of South Asia.* Eds: P K Jha, G P S Ghimire, S B Karmacharya S R Baral and P Lacoul. Publ. Ecological Society (ECOS), Kathmandu, pp. 12-25.

9. Dangol, K K and **Jha P K.** 1996. Vegetation ecology and biomass of herbs in Nagarjun hill. In: *Environment and Biodiversity: In the Context of South Asia.* Eds: P K Jha, G P S Ghimire, S B Karmacharya S R Baral and P Lacoul. Publ. Ecological Society (ECOS), Kathmandu, pp. 264-268.

10. **Jha P K.** 1997. Environment, plant resources and quantitative estimation methods for vegetation analysis. *Ethnobotany, Conservation and Community Development.* Ethnobotanical Society of Nepal (ESON), Kathmandu, pp. 42-57.

11. Parajuli, S P and **Jha P K.** 1999. Phytoplankton and physico-chemical parameters of water in Kamal Pokhari, Bhaktapur. *Proc. III National Conf. Sci. & Tech*. NAST-Kathmandu, 1111-1119.

12. Thapa, C B and **Jha P K.** 1999. Effect of crop weed competition on growth and yield of Rice (*Oryza sativa* L.) in Pokhara, Nepal*. Proc. III National Conference on Sci. & Tech.,* NAST-Kathmandu, 839-843.

13. **Jha P K.** 2000. Environment and Agriculture: Trends and Perspectives. In: *Environment and Agriculture*: *At the Crossroad of the New Millennium* (Eds.) P K Jha, S B Karmacharya, S R Baral and P Lacoul, Publ: Ecological Society (ECOS), pp. 48-62.

14. Silwal, S, Horie K, Aoki M, Totsuka T and **Jha P K.** 2001. Measurements of NOx, SO2 and O3 concentration in Kathmandu, and vicinities using passive sampling device. P K Jha, S R Baral, S B Karmacharya, H D Lekhak, P Lacoul and C B Baniya, Publ: Ecological Society (ECOS), Kathmandu, Nepal, pp. 459-464.

15. **Jha P K** and Lekhak H D. 2001. Environmental Pollution in South Asia: An Overview. In: *Environment and Agriculture*: *Biodiversity, Agriculture and Pollution in South Asia*, P K Jha, S R Baral, S B Karmacharya, H D Lekhak, P Lacoul and C B Baniya, Publ: Ecological Society (ECOS), Kathmandu, Nepal, pp. 447-451.

16. Thapa, C B and **Jha P K.** 2001. Efficacy of herbicide and manual weeding in transplanted paddy. In: *Environment and Agriculture*: *Biodiversity, Agriculture and Pollution in South Asia*, pp. 426-429.

17. Siluwal, H R, **Jha P K** and Lekhak H D. 2001. An ecological study of Quercus species in the surrounding hills of Kathmandu, valley, Nepal. In: *Environment and Agriculture*: *Biodiversity, Agriculture and Pollution in South Asia.* pp. 181-189.

18. **Jha P K**, Baral S R and Karmacharya S B. 2001. Forest and Biodiversity in South Asia: An Overview. In: *Environment and Agriculture*, In: *Environment and Agriculture*: *Biodiversity, Agriculture and Pollution in South Asia* (Eds.) P K Jha, S R Baral, S B Karmacharya, H D Lekhak, P Lacoul and C B Baniya, Publ: Ecological Society (ECOS), Kathmandu, Nepal, Vol. 2, pp. 1-6.

19. **Jha P K**, Bhuju D R, Upadyaya M, Paudel K C and Pradhan N B. 2008. Biodiversity in Nepal: Status, Issues and Opportunities. *Proceedings of the Fifth National Conference on Science and Technology,* NAST-Kathmandu, pp. 87-96.

**Book Chapters**

1. Khatri G B, **Jha P K**, Agrawal V P and Jacobshon, R. 1991. Distribution, Host range and Phenology of *Orobanche*spp. in Nepal. In *Progress In Orobanche Research*, Wegmann K. and L. J. Musselman (Eds.), Eberhard-karls University, Tubingen, FRG, pp. 18-24.

2. Jacobshon R, Kleifeld Y, **Jha P K** and Agrawal V P and Marton K. 1991. Soil Fumigation with Telone II for Broomrape (*Orobanche* spp) control. In: *Progress Orobanche**Research,* Wegmann, K. and L. J. Musselman (Eds.), Eberhard-Karls Universitat, Tubingen, FRG, 1991, pp. 185-190.

3. **Jha P K**, Chetri M K and Sah J P. 1992. A study on productivity of *Amaranthus**hypochondriachus.* In: *Role of Biotechnology in Agriculture,* Publ. Oxford and IBH Publisher, New Delhi India, pp. 177-182.

4. **Jha P K** and Lacoul P. 1997. Significance of wetlands and river ecosystems in Nepal. In *Ecology of Wetlands and Associated Systems.* (Eds.) S. K. Majumdar, E. W. Miller and T. J. Brenner, Publ. The Pennsylvania Academy of science, USA, pp. 648-669.

5. **Jha P K**, Shrestha R and Shrestha B. 1997. Effects of air pollution on roadside trees of Kathmandu, valley. In: *Acid, Snow and Rain* (*International Congress of Acid Snow And Rain*)(Eds.)K. Aoyama, K. Katoh, T. Murano, T. Paces and Y. Tapuchi, Nigaya University, Japan, 451-456.

6. **Jha P K.** 1998. Environmental Pollution in Nepal. In: *Nepal Nature’s Paradise*, Ed. T. C. Majupuria.

7. **Jha**, **P. K**. 1998. Environmental Trends. In: Nepal *Nature’s Paradise,* Ed. T. C. Majupuria.

8. Shrestha, B B, **Jha P K** and M B Gewali. 2007. Ethnomedicine uses and distribution of *Aconitum naviculare* (Bruhl) Stapf in Upper Manang. In: pp. 171-181.

9. **Jha P K**, Ghimire S K and Lacoul P. 2002. Renewable energy trends and prospects in Nepal. In: Renewable Energy: Trends and Prospects (Eds.) S K Majumdar *et al*, Publ. Pensylvania Academy of Science, USA, pp. 497-520.

10. Lacoul, P, Freedman B, Maharjan N B and **Jha P K.** 2002. The mountain protected areas of Nepal: issues related to management and science. In: *Mountain Protected Areas in a Changing World.* Publ. Science and Management of Protected Areas Association, Olfville, Canada, pp: 135-148.

11. **Jha P K.** 2003. Environmental issues of Nepal. In *Nepal Tomorrow: Voices & Visions*. (Eds.) D B Gurung, Publ. Koselee prakashan, Kathmandu, pp. 413-421.

12. **Jha P K.** 2004. Scientific Research: An Introduction. In: *Research Methods and Practices*, (Eds.) P K Jha, D D Shakya, S D Joshi, R P Chaudhary and S R Sakya, Publ. Buddha Academic Publisher and DistributorsPvt Ltd, Kathmandu, pp. 1-4.

13. **Jha P K.** 2004. Writing a research report /Thesis. In: *Research Methods and Practices*, (Eds.) P K Jha, D D Shakya, S D Joshi, R P Chaudhary and S R Sakya, Publ. Buddha Academic Publisher and Distributors Pvt Ltd, Kathmandu, pp. 27-41.

14. Chaudhary R P and **Jha P K.** 2004. Writing a research proposal. In: *Research Methods and Practices,* (Eds.) P K Jha, D D Shakya, S D Joshi, R P Chaudhary and S R Sakya, Publ. Buddha Academic Publisher and DistributorsPvt Ltd, Kathmandu, pp. 57-65.

15. Chaudhary R P and **Jha P K.** 2006. Environmental justice and natural resources. In: Environment And Plants: Glimpses Of Research In South Asia (Eds.) P K Jha, R P Chaudhary, S B Karmacharya and V Prasad. Publ. Ecological Society (ECOS), Kathmandu, pp. 25-34

16. Lekhak H D and **Jha P K.** 2006. Trends in plant ecology. In: *Environment And Plants*: *Glimpses Of Research In South Asia* (Eds.)P K Jha, R P Chaudhary, S B Karmacharya and V Prasad. Publ. Ecological Society (ECOS), Kathmandu, pp. 81-90.

17. **Jha P K**, Jha S N and Joshi S R. 2006. Biodiversity linkage of Simal (*Bombax ceiba* L) in western Terai, Nepal. In: *Environment and Plants*: *Glimpses of Research in South Asia* (Eds.)P K Jha, R P Chaudhary, S B Karmacharya and V Prasad., pp. 169-175.

18. **Jha P K.** 2006. Climate change and plants. In: *Environment and Plants*: *Glimpses of Research in South Asia* (Eds.)P K Jha, R P Chaudhary, S B Karmacharya and V Prasad. Publ. Ecological Society (ECOS), Kathmandu. pp. 283-289.

19. **Jha P K.** 2006. Environment and biodiversity in Sundarbans, Bangladesh. In: *Environment and Plants*: *Glimpses of Research in South Asia* (Eds.) P K Jha, R P Chaudhary, S B Karmacharya and V Prasad. Publ. Ecological Society (ECOS), Kathmandu, pp. 299-307

20. Phoboo, S, Devkota A and **Jha P K.** 2008. Medicinal plants in Nepal: An overview. In: *Medicinal Plants in Nepal*: *An Anthology of Contemporary Research* (Eds.) P K Jha, S B Karmacharya, M K Chettri, C B Thapa and B B Shrestha, Publ Ecological Society (ECOS), Kathmandu, Nepal, pp. 1-24.

21. Shrestha, B B, dall’Acqua S, Gewali M B, **Jha P K** and Innocenti G. 2008. Biology and phytochemistry of *Curculigo orchioides* Gaertn. In: *Medicinal Plants in Nepal*: *An Anthology of Contemporary Research.* Publ Ecological Society (ECOS), Kathmandu, Nepal, pp. 50-67.

22. Devkota A and **Jha P K.** 2008. Biology and medicinal characteristics of *Centella asiatica* (L) Urban. In: *Medicinal Plants in Nepal*: *An Anthology of Contemporary Research* (Eds.) P K Jha, S B Karmacharya, M K Chettri, C B Thapa and B B Shrestha, Publ Ecological Society (ECOS), Kathmandu, Nepal, pp. 68-80.

23. Phoboo, S, **Jha P K** and Bhowmik P C. 2008. Biology and medicinal characteristics of *Swertia chirayita*. In: *Medicinal Plants in Nepal*: *An Anthology of Contemporary Research* (Eds.) P K Jha, S B Karmacharya, M K Chettri, C B Thapa and B B Shrestha, Publ Ecological Society (ECOS), Kathmandu, Nepal, pp. 81-89.

24. Pokharel C P and **Jha P K.** 2010. Sustainable use of biological resources: An overview. In: *Sustainable use of Biological Resources* (Eds.) P K Jha, S B Karmacharya, M K Balla, M K Chettri and B B Shrestha, Publ. Ecological Society (ECOS), Kathmandu, pp. 1-17.

25. Bhowmik P C and **Jha P K.** 2010. Invasive alien plant specdies and itsimpact on biological resources. In: *Sustainable use of Biological Resources* (Eds.) P K Jha, S B Karmacharya, M K Balla, M K Chettri and B B Shresta, Publ. Ecological Society (ECOS), Kathmandu, pp. 62-78.

26. Devkota A and **Jha P K.** 2010. Uses and sustainable harvesting of *Centella asiatica* (L) Urban. In: *Sustainable use of Biological Resources* (Eds.) P K Jha, S B Karmacharya, M K Balla, M K Chettri and B B Shresta, Publ. Ecological Society (ECOS), Kathmandu, pp. 250-254.

27. **Jha P K.** 2010. An overview of Sagarmatha (Mt Everest) region, Nepal. In: *Contemporary Research in Sagarmatha* (*Mt. Everest*) *Region, Nepal* (Eds.) P K Jha and I P Khanal. Publ. Nepal Academy of Science and Technology, Kathmandu, pp. 1-14.

28. Shrestha B B and **Jha P K.** 2010. Rhododendrons in Sagarmatha National park, Nepal. In: *Contemporary Research in Sagarmatha* (*Mt. Everest*) *Region, Nepal* (Eds.) P K Jha and I P Khanal. Publ. Nepal Academy of Science and Technology, Kathmandu, pp. 189-198.

29. Ghimire N P, Shrestha B B, Caravello G U and **Jha P K.** 2010. Sources of water pollution in Sagarmatha National Park and Buffer Zone, Nepal. In: *Contemporary Research in Sagarmatha* (*Mt Everest*) *Region, Nepal*: *An Anthology* (Eds.)P K Jha and I P Khanal, Publ Nepal Academy of Science and Technology (NAST), Kathmandu, pp. 103-109.

30. **Jha P K.** 2013. Introduction. In: *Environment and Natural Resources* (Nepalpedia series 1); Publ. Nepal Academy of Science and Technology-Kathmandu, pp. 1-8.

31. **Jha P K** and Paudyal K. 2013. Biological resources. In: *Environment and Natural Resources* (Nepalpedia series 1); Publ. Nepal Academy of Science and Technology-Kathmandu, pp. 71-77.

32. Baniya C B and **Jha P K.** 2013. Ecotourism. In: *Environment and Natural Resources* (Nepalpedia series 1); Publ. Nepal Academy of Science and Technology-Kathmandu, pp. 108-114.

33. **Jha P K** and Belbase N. 2013. Environmental legislations and policies. In: *Environment and Natural Resources* (Nepalpedia series 1); Publ. Nepal Academy of Science and Technology-Kathmandu, pp. 148-164.

34. **Jha P K** and Khanal N. 2013. Mountains. In: *Environment and Natural Resources* (Nepalpedia series 1); Publ. Nepal Academy of Science and Technology-Kathmandu, pp. 301-307.

35. **Jha P K.** 2013. Introduction. In: *Biological Diversity and Conservation.* (Nepalpedia Series 2)Publ. Nepal Academy of Science and Technology-Kathmandu. pp. 1-8.

36. **Jha P K** and Paudel K C. 2013. Biological Diversity. In: *Biological Diversity and Conservation.* Publ. Nepal Academy of Science and Technology-Kathmandu. pp. 45-51.

37. **Jha P K.** 2013. Climate change and Biodiversity. In: *Biological Diversity and Conservation* (Nepalpedia Series 2)*.* Publ. Nepal Academy of Science and Technology-Kathmandu. pp. 193-197.

38. Siwakoti M and **Jha P K** 2013. Convention on Biological Diversity. In: *Biological Diversity and Conservation* (Nepalpedia Series 2). Publ. Nepal Academy of Science and Technology-Kathmandu. pp. 217-246.

39. **Jha P K** and Subedi B P. 2013. Ecosystem services. In: *Biological Diversity and Conservation* (Nepalpedia Series 2). Publ. Nepal Academy of Science and Technology-Kathmandu. pp. 290-296.

40. Ghimire N P and **Jha P K.** 2013. Protected areas: Sagarmatha National Park. In: *Biological Diversity and Conservation.* (Nepalpedia Series 2)Publ. Nepal Academy of Science and Technology-Kathmandu. pp. 508-512.

41. Miehe G. Miehe S, Boumlet J, Ghimire S K, Bhattarai K R, Chaudhary R P, Subedi M, **Jha P K** and Pendry C. 2015. Vegetation Ecology. In: *Nepal: An Introduction to the Natural History, Ecology and Human Environment of the Himalayas* (Eds.) Miehe G, C A Pendry and R P Chaudhary, Royal Botanic Garden, Edinburgh, UK, pp. 385-472.

42. Devkota A and **Jha P K.** 2016. Botanists in Nepal: An overview. In: *Frontiers of Botany* (Eds.)P K Jha, M Siwakoti and S Rajbhandari. Publ. Central Department of Botany, TU, Kathmandu. pp. 320-328.

43. **Jha P K**, Mandal R A and Poudel K P.2019.Environmental changes and challenges ot Tarai and Siwalik of Nepal. In: *Tropical Ecosystems*: *Structure, Functions and Challenges in the face of Global Changes* (Eds.)S C Garkoti, *et al* Springer Nature, Singapore Pte Limited. pp. 233-246.

44. Rajbhandary S, Siwakoti M, Rai S K and **Jha P K.** 2020. An overview of plant diversity in Nepal. In *Plant Diversity in Nepal* (Eds.) M Siwakoti, P K Jha, S Rajbhandary and S K Rai, Publ. Botanical Society of Nepal, Kathmandu, pp. 1-15.

45.Raut J K, Baral K, Adhikari M K and **Jha P K.** 2022. Interaction of mycorrhizal fungi with rhizosperic microbes and their mode of action. In: *Antifungal Metabolites of Rhizobacteria for Sustainable Agriculture* (Eds.) R S Sayeed, A Singha and Noshin, Publ. Springer, US (in press).