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| **Prof. Dr. Bijaya Pant-** **List of Publications** Updated- June, 2023  |
| 1. **Referred Journals**
 |
| **114****113****112****111****110****109** | Pradhan, S., Paudel, Y. P., Qin, W., & **Pant, B.** (2023). Genetic fidelity assessment of wild and tissue cultured regenerants of a threatened orchid, Cymbidium aloifolium using molecular markers. *Plant Gene*, *34*, 100418.Pandey, S., Maharjan, L., & Pant, B. (2023). In vitro Propagation and Assessment of Genetic Homogeneity using RAPD and ISSR Markers in Tinospora cordifolia (Wild.) Hook. F. & Thoms, An Important Medicinal Plant of Nepal. *Journal of Nepal Biotechnology Association*, *4*(1), 27–36. https://doi.org/10.3126/jnba.v4i1.53443Chand, K., Shah, S., & Pant, B. (2023). Growth Promoting Effect of Endophytic Bacteria Bacillus subtilis From Leaves of Vanda cristata and Its Potential Impact on In vitro Growth of Orchid. *Journal of Nepal Biotechnology Association*, *4*(1), 8–16. https://doi.org/10.3126/jnba.v4i1.53441Joshi, P. R., Joshi, S., Paudel, M. R., & Pant, B. (2022). Screening of In vitro α-amylase Inhibitory Activity of Wild Orchids of Nepal. *Journal of Nepal Biotechnology Association*, *4*(1), 1–7. https://doi.org/10.3126/jnba.v4i1.53439Pokharel, B.R., Pandey, S., Manandhar, M.D., Pant B. (2023). *.* Comparative study of essential oil in wild and in vitro cultures of *Valeriana jatamansi* Jones in Nepal. *Plant Biotechnol Rep* (2023). https://doi.org/10.1007/s11816-023-00832-xThapa, C. B., Bhattarai, H. D., Pant, K. K., and Pant, B. (2023). [In vitro Induction and Proliferation of Callus in Piper longum L. through Leaf Culture](https://www.nepjol.info/index.php/NJST/article/view/49892) Nepal Journal of science and technology. <https://www.nepjol.info/index.php/>  |
| **108** | Joshi, P. R., Pandey, S., Maharjan, L., and **Pant, B**. (2022). Micropropagation and assessment of genetic stability of Dendrobium transparens Wall. Ex. Lindl. using RAPD and ISSR markers. Front. Conserv. Sci. 3:1083933, doi:10.3389/focaccia.2022.1083933 [https://www.frontiersin.org/articles/10.3389/fcosc.2022.1083933/full](https://www.frontiersin.org/articles/10.3389/fcosc.2022.1083933/full%22%20%5Ct%20%22_blank) |
| **107** | Thapa, C. B., Bhattarai, H. D., Pant, K. K., Joshi, P. R. J, Chaudhary, T. L., and **Pant, B.** (2023). Antioxidant, antibacterial, and cytotoxic effect of in vitro callus and in vivo rhizome of Paris polyphylla Sm. Process Biochemistry 124:33–43, Available online 16 November 2022, https://doi.org/10.1016/j.procbio.2022.11.005 |
| **106** | Dhungana, S., Pradhan, S., Paudel, M. R., and Pant, B (2022). In vitro Propagation and Genetic Homogeneity Assessment of Dendrobium crepidatum Lindley & Paxton. Plant Tissue Cult. & Biotech. 32(1): 1-11, dpi: <https://doi.org/10.3329/ptcb.v32i1.60467>. |
| **105** | Shah, S., Shah, B., Sharma, Rekadwad B., Shouche, YS, SharmaJ*.,* and **Pant, B.** (2022)*.* Colonization with non-mycorrhizal culturable endophytic fungi enhances orchid growth and indole acetic acid production. *BMC Microbiol* **22,**101 (2022). https://doi.org/10.1186/s12866-022-02507-z |
| **104** | Thapa, C. B., Paudel M. R., Bhattarai H. D., Pant, K. K., Devkota, H. P., Adhikari Y. P. and **Pant, B.** (2022) . Bioactive secondary metabolites in Paris polyphylla Sm. and their biological activities: A review. HELIYON, https://doi.org/10.1016/j.heliyon.2022.e08982 |
| **103** | Pandey, S., Sundararajan, S., Ramalingam, S., & **Pant, B.** (2022). Elicitation and plant growth hormone-mediated adventitious root cultures for enhanced valepotriates accumulation in commercially important medicinal plant *Valeriana jatamansi* Jones. *Acta Physiologiae Plantarum*, *44*(1), 1-13.<https://link.springer.com/article/10.1007/s11738-021-03319-w> |
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| **101** | Prasad, R. D., Pradan, S., Poudel, M. R., & **Pant, B.** (2021). Non-symbiotic Seed Germination and In vitro Plant Development of *Pholidota articulata*. *Nepalese Horticulture*, *15*, 44-51.<https://www.nepjol.info/index.php/nh/article/view/36648> |
| **100** | **Pant, B.,** Chand, K., Paudel, M.R. *et al.* (2021). Micropropagation, the antioxidant and anticancer activity of pineapple orchid: *Dendrobium densiflorum* Lindl. *J. Plant Biochem. Biotechnol.* <https://doi.org/10.1007/s13562-021-00692-y>  |
| **99** | Assessment of genetic stability of micropropagated plants of Rhynchostylis retusa (L.) using RAPD markers (2021). BK Oliya, K Chand, LS Thakuri, MK Baniya, AK Sah, **B Pant** Scientia Horticulturae 281, 110008.<https://doi.org/10.1016/j.scienta.2021.110008>  |
| **98** | Malla, B B Malla, Paudel M. R, **Pant B.** (2020). *In vitro*propagation of *Vanda tessellata*(Roxb.) Hook. ex G. Don from seed-derived protocorms. Botanica Orientalis – Journal of Plant Science: 14–20 |
| **97** | **Pant, B.,** Paudel, M. R., & Joshi, P. R. (2021). Orchids as Potential Sources of Anticancer Agents: Our Experience. *Annapurna Journal of Health Sciences*, *1*(1), 42-51. <https://www.ajhs.org.np/ajhs/index.php/ajhs/article/view/17> |
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| **91** | Pandey, S., Sundararajan, S., Ramalingam, S., Baniya, K., & **Pant, B.** (2020). Rapid clonal propagation and valepotriates accumulation in cultures of Valeriana jatamansi Jones, a high-value medicinal plant.  <https://doi.org/10.5073/JABFQ.2020.093.022>  |
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| **88** | Maharjan, S., Thapa, BB, Pradhan, S, Pant, Pant, Krishna, Joshi,GP, Thakuri LS, Pant B. In vitro propagation of the endangered orchid, *Dendrobium chryseum* Rolfe. from protocorms, Nepal Journal of Science and Technology (NJST, 2020). <https://www.nepjol.info/index.php/NJST/article/view/29737>  |
| **87** | Paudel, M. R., Bhattarai, H. D., & **Pant, B.** (2020). Traditionally used medicinal Dendrobium: a promising source of active anti-cancer constituents. *Orchids Phytochemistry, Biology and Horticulture: Fundamentals and Applications*, 1-26.<https://link.springer.com/content/pdf/10.1007/978-3-030-11257-8_16-1.pdf> |
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| **85** | Chand K, Shah S, Sharma J, Paudel MR, **Pant B (**2020). Isolation, characterization, and plant growth-promoting activities of endophytic fungi from a wild orchid *Vanda cristata*. *Plant Signaling and Behaviour*, March 2020 ISSN: (Print) 1559-2324 <https://doi.org/10.1080/15592324.2020.1744294>  |
| **84** | **Pant, B (**2020). Biotechnology for Plant Conservation. *In* Plant Diversity in Nepal, 2020, 237-251Eds.: M. Siwakoti, P.K. Jha, S. Rajbhandary, S.K. Rai Publisher: Botanical Society of Nepal, Kathmandu. |
| **83** | Adhikari, H., & **Pant, B.** (2019). In vitro seed germination and seedling growth of the orchid Dendrobium primulinum Lindl. *African Journal of Plant Science*, *13*(12), 324-331.<https://academicjournals.org/journal/AJPS/article-abstract/454CC4862580> |
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| **81** | Neupane Pradeep, B.Pandey, S. Tripathi, and B. Pant. (2020) Micropropagation of *Papilionanthe teres* (Roxb.) Schltr. by seed and shoot tip culture. *Research Journal of Biotechnology* 15 (2): pp 1-8 |
| **80****79** | Shah S, Thapa BB, Pradhan S, Singh A, Verma A, Pant B.(2019). Piriformospora indica promotes the growth of the in-vitro raised Cymbidium aloifoliumplantlet and their acclimatization. Plant Signal Behav. 2019;14:6Paudel, M. R., Chand, M. B., Pant, B.,& **Pant, B.** (2019). Assessment of antioxidant and cytotoxic activities of extracts of *Dendrobium crepidatum*. *Biomolecules*, *9*(9), 478. <https://www.mdpi.com/533024> |
| **78** | Maharjan S., Pradhan S., Thapa B. & B., **Pant, B.** (2019). In vitro propagation of endangered orchid, *Vanda pumila* Hook. f. through protocorms. Culture. American Journal of Plant Sciences, 10: 1220-1232 <http://www.scirp.org/journal/ajps> |
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