

Department: Department of Botany

Name: Dr. Pradeep Kumar Kamila

Designation: Assistant Professor (OES-I)

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Date of Joining in Government service (As per service book): 01.03.2024

Date of Joining in this college (As per service book): 01.03.2024

Qualification (Highest): M. Sc, Ph. D (Botany)

Field of Specialisation/Interest: Biodiversity Conservation and Bioprospecting of Rare, Endangered and Threatened (RET) Plants.

Teaching Experience: 1 year 9 months

Remarkable Achievements/Awards: 01

List of research projects conducted: Nil

List of Publications: (selected publications during last 5 years)

Articles:

- Mohanty, K.P., Sahu, S.C., **Kamila, P.K.**, Lahiri, S. and Sahoo, P.B. (2025). Notes on the new distributional record of *Xanthosoma robustum* Schott (Araceae) in Eastern India. *Vegetos*. [10.1007/s42535-025-01462-0](https://doi.org/10.1007/s42535-025-01462-0).
- Das, P.K., **Kamila, P.K.**, Kar, S.K. and Panda, P.C. (2024). *Pachygone laurifolia* (Menispermaceae): A tree species new to the flora of Odisha, India. *Indian Journal of Forestry* 47(4): 248-252.
- Paria, S., Panda, G., Shee, N., Prasad, R., **Kamila, P.K.**, Mallick, P.H., Das, P. K. Rout, Y. and Panda, S.P. (2024). Notes on Extended Distribution of *Eranthemum roseum* (Acanthaceae) in the State of West Bengal, India. *Flora and Fauna* 30(2): 233-236.
- Swamy, J., Ramana, P. V., Panda, S. P., Jalander, V. and **Kamila, P. K** (2024). Two new distributional records to the flora of Odisha, India. *Vegetos*. <https://doi.org/10.1007/s42535-024-01011-1>.
- Mohanta, O., Ray, A., Gadnayak, A., Champati, B.B., Jena, S., Sahoo, A., Das, P.K., **Kamila, P.K.**, Nayak, S., Panda, P.C. (2024). *Anisomeles indica* (L.) Kuntze leaf essential oil ameliorates LPS-induced inflammation in RAW 264.7 cells: An integrated approach of network pharmacology and experimental validation. *South African Journal of Botany* 169: 435-451.
- Mane, P.R., Swamy, J., Panda, S.P., **Kamila, P.K.**, Mastakar, V.K., Potdar, G.G. and Salunkhe, C.B. (2024). The genus *Bothriochloa* (Poaceae: Andropogoneae) in Odisha: with an addition of species *Bothriochloa kuntzeana* (Hack.) Henrard. *Vegetos*. <https://link.springer.com/article/10.1007/s42535-024-00913-4>.



- Mohanty, S., Ray, A., Jena, S., Sahoo, A., Sahoo, T., **Kamila, P.K.**, Panda, P.C., Nayak, S. (2023). Chemical composition and antioxidant activity of rhizome essential oil of *Hedychium griffithianum*. *Chemistry of Natural Compounds* 59(3): 568-570.
- Mohanty, S., Dash, K.T., Ray, A., Sahoo, A., Jena, S., **Kamila, P.K.**, Panda, P.C., Nayak, S. (2023). Chemical composition and antioxidant activity of rhizome essential oil of *Amomum dealbatum*. *Chemistry of Natural Compounds* 59(4): 799-801.
- Jena, S., Ray, A., Sahoo, A., Das, P.K., **Kamila, P.K.**, Kar, S.K., Nayak, S. and Panda, P.C. (2023). Anti-proliferative activity of *Piper trioicum* leaf essential oil based on phytoconstituent analysis, molecular docking and in silico ADMET approaches. *Combinatorial Chemistry & Throughput Screening* 26(1):183-190.
- **Kamila, P.K.**, Bal, P., Ray, A., Kar, S.K. and Panda, P.C. (2022). Nutritional value, phytochemical composition and antioxidant potential of the seed flour of *Cycas sphaerica*, endemic to India. *South African Journal of Botany* 150: 965-973.
- Das, P.K., **Kamila, P.K.** and Panda, P.C. (2022). *Salvia misella* Kunth (Lamiaceae) - a new record for Eastern Ghats of India. *Journal of Threatened Taxa* 14(7): 21476–21479.
- Champati, B.B., Padhiari, B.M., Ray, A., Halder, T., Jena, S., Sahoo, A., Kar, B., **Kamila, P.K.**, Panda, P.C., Ghosh, B., et al. (2022). Application of a multilayer perceptron artificial neural network for the prediction and optimization of the andrographolide content in *Andrographis paniculata*. *Molecules* 27, 2765.
- **Kamila, P.K.**, Ray, A., Jena, S., Sahoo, A., Kar, S.K., Nayak, S. and Panda, P.C. (2022). Intraspecific variability in yield and chemical composition of essential oil of the endemic species *Hypericum gaitii* from different natural habitats of Eastern India. *Plant Biosystems* 156(2): 1167-1176.
- Mohanty, S., Dash, K.T., Jena, S., Ray, A., Sahoo, A., Kar, S.K., Das, P.K., **Kamila, P.K.**, Nayak, S. and Panda, P.C. (2021). Chemical composition, antimicrobial and cytotoxic activity of the essential oil of *Platostoma hispidum*, an unexplored species of Lamiaceae. *Journal of Essential Oil Bearing Plants* 24(6): 1300-1310.
- Jena, S., Ray, A., Sahoo, A., **Kamila, P.K.**, Nayak, S. and Panda, P.C. (2021). Chemical composition and antioxidant activity of the leaf essential oil of *Schefflera venulosa*. *Chemistry of Natural Compounds* 57(6): 1147-1149.
- Ray, A., Jena, S., Sahoo, A., **Kamila, P.K.**, Nayak, S. and Panda, P.C. (2021). Chemical composition and antioxidant activity of the leaf essential oil of *Cryptocarya amygdalina*. *Chemistry of Natural Compounds* 57(6): 1150-1152.
- Ray, A., Jena, S., Sahoo, A., **Kamila, P.K.**, Das, P.K., Mohanty, S., Nayak, S. and Panda, P.C. (2021): Chemical composition, antioxidant, anti-inflammatory and anticancer activities of bark essential oil of *Cryptocarya amygdalina* from India, *Journal of Essential Oil Bearing Plants* 24(3): 617-631.
- Das, P.K., **Kamila, P.K.** and Panda, P.C. (2020). *Nothapodytes nimmoniana* (J. Graham) Mabb. (Icacinaceae) – an addition to the forest trees of Odisha, India. *NeBio* 11(2): 63-66.
- **Kamila, P.K.**, Das, P.K., Mohapatra, P.K. and Panda, P.C. (2020). Effect of Auxins on Rooting of Stem Cuttings in *Hypericum gaitii*. *Journal of Herbs, Spices & Medicinal Plants* 26(4): 423-434.
- **Kamila, P.K.**, Das, P.K. et al. (2020). *Gynochthodes cochinchinensis* (DC.) Razafim. & B. Bremer (Morindeae: Rubioideae: Rubiaceae): an addition to the woody climbers of India. *Journal of Threatened Taxa* 12(3): 15395-15399.

Chapters

- Panda, S.P., **Kamila, P.K.**, Dasgupta, S., Mazhar, Z. and Prasad, R. (2024). Bhitarkanika Mangroves, Odisha. In: Compendium on Phytodiversity of Ramsar Sites in India (eds Mao et al.), Botanical Survey of India, Kolkata, Vol II. pp. 219-244.
- Swamy, J., **Kamila, P. K.**, Chakraborty, K., Panda, S.P. and Singh, D. (2024). Tampara Lake, Odisha. In: Compendium on Phytodiversity of Ramsar Sites in India (eds Mao et al.), Botanical Survey of India, Kolkata, Vol II. pp. 333-354.

List of National/International Seminars Attended/ Conducted during the last five years:

- National Seminar on 'Emerging Trends in Plant Science Research' (ETPSR-2025), Department of Botany, Ravenshaw University, Cuttack, Odisha, July 28th – 30th July, 2025.
- National seminar on 'Advances in Biology and Biodiversity', Department of Botany & Zoology, Maa Manikeshwari University, Kalahandi, Odisha, 30th – 31st March, 2025.
- National seminar on 'Recent Advances in Life Sciences and Wildlife Conservation' Department of Zoology, Model Degree College, Nuapada, Odisha, 7th March, 2025.
- National seminar on 'Ethnobotany and Biodiversity Conservation – a Global Perspective' Department of Botany, Model Degree College, Nuapada, Odisha, 25th – 26th January, 2025.
- International Conference on 'Recent Advances of Biodiversity and Agriculture for a Sustainable Future', Department of Biodiversity and Conservation of Natural Resources, Central University, Koraput, Odisha, 19th – 20th April, 2024.
- International Conference on 'Bioresources & Bioeconomy' (ICBB-2022), Department of Botany, Nagaland University, Lumami, Nagaland, India, 19th – 21st September, 2022.
- National conference on 'Emerging Trends in Plant Science Research' (ETPSR-2020), Department of Botany and Biotechnology, Ravenshaw University, Cuttack, Odisha, 1st - 3rd March, 2020.
- International symposium on 'Plant Taxonomy and Ethnobotany', Botanical Survey of India, Kolkata, 13th – 14th February, 2020.
- National conference on 'Green Technology for Environment Management & 44th Annual conference of Orissa Botanical Society', North Orissa University, Baripada, Odisha, 22nd - 23rd January, 2020.

Membership in Professional bodies/ DRC during last 5 years: 01

- Orissa Botanical Society (OBS)

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