

NAME: Dr. Kalpita Bhatta

Designation: Assistant Professor

Qualification: M.Sc., Ph.D.

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About Me

Dr. Kalpita Bhatta is presently working as an Assistant Professor in the School of Applied Sciences (Botany) at Centurion University of Technology and Management, Odisha, India. She has been awarded her Ph.D. in Botany from Utkal University, Odisha, India. Associated with Chilika Development Authority, Government of Odisha, for a brief period as Junior Research Fellow in the Project, 'Hydrodynamics modelling for Chilika Lake & Water Quality' under the Ministry of Earth Sciences. During her Fellowship period, she was involved in Macrophyte's study especially seagrasses which were a new record for Odisha. Actively engaged in teaching undergraduate and postgraduate students of Botany for 8 years at Centurion University of Technology and Management, Odisha, India. Dr. Bhatta's current research interest at CUTM is focused on high-value nutraceuticals and biopharmaceuticals for therapeutic uses, oncology, and drug designing

AREA OF INTEREST

Pharmacognosy, Nutraceuticals, Nanotechnology, Drug Designing, and Oncology

COURSES TAUGHT

- Archegoniate (CUTM1458)
- Economic Botany (CUTM1460)
- Plant Ecology and Phytogeography(CUTM1463)
- Developmental Biology and Phytotomy(CUTM1430)
- Bioanalytical Techniques(CUTM1438)
- Advances in Plant Ecology(CUTM1434)
- Drug Design Using Biovia(CUTM3122)

TEACHING EXPERIENCE 8 years

RESEARCH EXPERIENCE 6years

ADMINISTRATIVE/EXECUTIVE EXPERIENCE

Admission Coordinator of Botany Department, Bhubaneswar Campus

School of Applied Sciences, Centurion University of Technology and Management, Odisha,
India.

AWARDS & HONORS

APSI Young Women Scientist awards

organized by the Academy of Plant Sciences India on 23st November 2021 at DSPMU, Morabadi,
Ranchi, Jharkhand.

RESEARCH GUIDANCE 01 (Continuing)

RESEARCH GRANTS 01

Seed Money grant of 3 lacs from Centurion University of Technology and Management, Odisha,
India.

PUBLICATIONS

JOURNAL PUBLICATIONS

- Bhatta, K., Mohanty, P., Das, I. J., & Samal, H. B(2024) Curcumin Nanocarriers with a Focus on Cellular Uptake Studies–An Innovative Cancer Therapy. Journal of Angiotherapy. <https://doi.org/10.25163/angiotherapy.819388>
- Patangia U, Bhatta K , Vig H , Priya S , Wal A , Tyagi LA and Wal P(2024) A Systematic Review on the Potential Applications of Theranostic Nanoparticles in Diabetes and its Associated Complication Diabetic Neuropathy. Current Nanomedicine. DOI: 10.2174/0124681873265152231229042106
- Bhatta K, Samal HB, Mohanty P (2023). Isozyme profiling of Antioxidant Enzyme in Macrotyloma uniflorum. International Journal of Experimental Research and Review. DOI: <https://doi.org/10.52756/ijerr.2023.v36.015a>
- Bhatta K, Samal P, Rout JR, Sahoo SL (2023) Characterization and Molecular Identification of Vibrio cholerae from Sea Beach Using 16S rRNA Sequencing. Asian Journal of Biological and Life Sciences.
- Bhatta K, Patra HK (2018) Distribution of Macrophytes in Chilika, International Journal of Innovative Science and Research Technology

- Bhatta, K., & Patra, H. K. (2018) Spatial and temporal distribution of seagrasses in Chilika Lagoon. Intl. J. Innov. Res. Technol
- Bhatta K, Patra HK(2019) Composition and Distribution of Submerged Aquatic Vegetation in Chilika lagoon, Journal of Emerging Technologies and Innovative Research,
- Bhatta K, Patra HK (2020) Economically Important Macrophytes of Chilika Lagoon, Odisha, International Journal of Advanced Science and Technology,(**IF 0.091**)
- Bhatta K ,Sahoo D, Nayak M, Ray S, .Pandey M, .Palei SS, Rautaray D(2020) Nigella sativus Derived Phytochemicals against Cough, Journal of Pharmaceutical Research International Journal of Pharmaceutical Research International.DOI: 10.9734/jpri/2020/v32i930535.(**I.F-5.51**)
- Bhatta K, Nayak U, Barik E, Patra B , Behera S , Pandey M, Tabish A and P.Behera P(2020) Alkanna tinctoria Derived Phytochemicals against Staphylococcus aureus Causing Eczema , Journal of Pharmaceutical Research International .DOI: 10.9734/jpri/2020/v32i930536. (**I.F-5.51**)
- Bhatta K, Barik E, Swain S, Mishra B , Jal S, Mallick S and Karmee P(2020) Salvia rosmarinus Derived Phytochemicals against Eczema, Journal of Pharmaceutical Research International, DOI: 10.9734/jpri/2020/v32i930537. (**I.F-5.51**)
- Bhatta K, Nayak S(2020) Preliminary phytochemical analysis of methanol and choloform leaf extracts of Althernantherasessilis (Linn). R. Br.ex DC.(Amaranthaceae), International Journal of Botany Studies,.
- Bhatta K, Nayak S(2020)Antibacterial and Antifungal Activity of Althernantera sessilis(Linn)R.Br.Ex DC, International Journal of Pharma and Bioscience DOI:10.22376/ijpbs.2020.11.3.b1-5 ()
- Bhatta K, Rautaray D (2020)Antimicrobial study of an autochthonous plant Achryanthes aspera. Linn. Indian Journal of Natural Sciences
- Bhatta K, Karmae P, .Dash P(2020)Ethno-medicinal Studies on Plant Resources of Gandhamardan Hill Ranges, Odisha, , Indian Journal of Natural Sciences.
- Bhatta K, Patra HK(2020)A review on aquatic macrophyte as bio indicator of Water Quality Parameters of Lake, Journal of Environment, Ecology and Conservation,.
- Bhatta K , Behera P(2020)Statistical Analysis of Water Quality Parameters ofAnsupa Lake, Odisha(India), Journal of Plant Archives..
- Bhatta K, Nayak S, Baral B, Behera S and Ram RL(2020) An Overview of Genomic Tools in Crop improvement.Advances in Plant Sciences.
- Bhatta K, .Nayak S, Baral B, Behera S and Ram RL .Preliminary phytochemical investigation of methanol and chloroform extract of a wild plant *Achyranthes aspera* Linn. (Amaranthaceae). Advances in Plant Sciences.

- Bhatta K, Tripathy D, and Deep PR (2020) COVID-19 Prevention by Blocking NSP15 Endoribonuclease Enzyme using Methi (*Trigonella foenum-graecum*) Extract: an In silico analysis. Indian Journal of Natural Sciences.
- Bhatta K, Das S, Mohaty S and Nayak S(2021)Plants of gandhamardan in maternal care: An ethnobotanical approach. Asian Journal of Pharmaceutical and Clinical Research
- Bhatta K , Baral K(2021) Sheeti Swapna Nayak, Sonalika Das. Efficacy of Vermicompost in Agriculture : A review. International Journal of Botany Studies .
- Bhatta K and. Behera P (2021) Assessment of water quality index of various physiochemical parameters of Ansupa lake, Odisha (India), Bulletin of Environment, Pharmacology and Life Sciences.
- Pradhan CC, Bhatta K and Samad L(2021) Antimicrobial Activity of Leaves of *Alstonia scholaris* (Linn.) R.Br. Indian Journal of Natural Sciences .
- Sahoo R, Bhatta K, Das A, Sahoo S(2021)Analysis of Antioxidant Activity of White and Black Varieties of *Macrotyloma uniflorum* (LAM) Verdc under Nickel Stress. Indian Journal of Natural Sciences.

BOOK PUBLICATIONS

- Bhatta K, Baral B(2021) Commercial prospective of essential oil. Aromatherapy and its benefits. 154-159.
- Bhatta K, Baral B (2020)Macrophytes and their Ethnic uses: An Overview. Biowealth of Odisha
- Bhatta K, Dash P, Baral B (2020) Ethnic uses of Bio resources by PTGs OF ODISHA. Biowealth of Odisha

PARTICIPATION IN CONFERENCE & SEMINARS (AS INVITED/PLENARY/CHAIR)

- Invited Speaker” in the Independent Dialogue of UNFSS 2021 on “ Women in Agriculture: Gender Inequalities and Food Security” to be conducted on 21st August 2021 by Narashing Choudhury Autonomous College, Jajpur, Odisha, India(Centre of Excellence), CSAYN India and GCSAYN.
- Chairing a session at the 30th APSI, Scientist’s meet,2021, DSPMU, Morabadi, Ranchi, Jharkhand.

OTHER INFORMATIONS:

Actively engaged in teaching Skill Course(Drug Designing) of 4 credits floated by the Centurion University .Actively involved in CSR activities of Botany Department, Bhubaneswar campus.