

CURRICULUM VITAE

Dr. Indu B.K

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Career Objective:

To work for an organization where I can put my functional, technical and creative skills to achieve organizational goal and continuously strive to learn new arts in pursuance of an objective of becoming a competent professional and to build a promising career.

Educational Credentials

SI No	DEGREE	UNIVERSITY	YEAR OF PASSING	SPECIALIZATION
1	PhD	Bangalore University	2008	Biotechnology
2	MSc	Bangalore University	2001	Botany
3	BSc	Bangalore University	1999	Chemistry, Botany, Zoology

Additional Qualification

- Qualified trainer for Life science skill sector council, National Skill Development Board 2018
- Has successfully completed a continuing education course with 2+0 credits on Plant Biotechnology & Molecular Biology conducted during January – May 2004 under the Proficiency Program At Centre for continuing education, Indian Institute of Science, Bangalore, Govt. Of India, Bangalore
- Has successfully completed a continuing education course with 2+0 credits on Bio

Process Engineering conducted during January – May 2004 under the Proficiency Program At Centre for continuing education, Indian Institute of Science, Bangalore, Govt. Of India, Bangalore

- Completed Plant tissue culture training course from 1-9-2000 to 1-9-2001 conducted by the above research project under the supervision of Dr K.M Dinakar and A.K. Bopaiah on commercial crops/ ornamentals and obtained the Outstanding grade as partial fulfillment of the course At St. Joseph’s college Bangalore – India Department of Botany.

Awards and Grants

- Best outgoing student of MLAWC for the year 1999.
- Secured second Rank in MSc Botany from Bangalore University in 2001.
- Awarded with DST, WOS-A Program by Govt. of India, in 2015-18. For the project
- entitled “Optimization of marker assisted technology for Screening, selection and Micropropagation elite genotypes of *Pterocarpus Santalinus* (Red Sandalwood)”.
- Won 3rd Prize for Poster “*Nyctanthes arbortristis* L. (Night Jasmine) - A promising and cost effective substitute for Saffron in food and cosmetic industry” at Bangalore India Bio - 2015, Bengaluru -2015

Professional Synopsis

- Possess 10 years research experience.
- Possess 7 years Industry work experience.
- Possess 2 year of teaching experience.

Career Highlights

- Working as Associate Professor in Department of Biotechnology at Padmashree Institute of Management and Sciences, Kommagatta Post, Kengeri Hobli, Bangalore from 2018
- Worked as a Principal investigator for the DST WOS A project entitled “Optimization of marker assisted technology for Screening, selection and Micropropagation elite genotypes of *Pterocarpus Santalinus* (Red Sandalwood)” during 2015-18
- Worked as Scientist in Rishi Herbals Technologies Pvt Ltd, Banashankari, Bangalore from

2007 -2015

Analytical skills

- Propagation of medicinal plants by tissue culture
- Isolation of secondary metabolites
- Isolation, purification, characterization and kinetics of enzymes.
- Proximate composition analyses of food.
- Estimation of micronutrients in food by AAS.
- Estimation of amino acids in by HPLC.
- Phytochemical analysis of Medicinal plants

Technical skills

- Used the analytical equipment's like UV-Vis Spectrophotometer, Atomic absorption Spectrophotometer, Nitrogen analyzer, High pressure liquid chromatography, Gas chromatography, Spray dryer, stability chamber etc.
- Experience in carrying out Ultra filtration, Gel filtration, Ion exchange chromatography, Electrophoresis (NATIVE and SDS-PAGE), Adsorption chromatography, and Proximate analysis.
- Undergone training on Plant Biotechnology, Molecular Biology, Bio Process Engineering and Plant tissue culture.

Computer Skills

- Windows 2000, MS Office, MS World, MS Excel, MS PowerPoint, Internet and Browsing, statistical analysis.

Trainings and Conferences attended

- Attended the National Conference on Health and Wellness through Nutrition & Nutraceuticals organized by The Nutrition and Nutraceuticals Research centre, Ramaiah University of applied sciences, Bengaluru 23rd & 24th January 2020

- Attended the workshop on Healthy Eating & Safe Food as a part of National Conference on Health and Wellness through Nutrition & Nutraceuticals organized by The Nutrition and Nutraceuticals Research centre, Ramaiah University of applied sciences, Bengaluru 22nd to 24th January 2020
- Attended the Two Day sNational Seminar on Digital Initiatives for Higher Education conducted by Government College (A), Ananthapuram, January 2020
- Attended Two days Nature Camp conducted by Poornayu Ayurveda Hospital, 14th – 15th Dec 2019
- Attended hands on Food Safety Supervisor Certificate of competence in Manufacturing (Level-2) organized by Padmashree Institute of Management and Sciences Bangalore on 13th December 2019
- Attended as Poster Author in the Poster –Walkway of Discovery organized by India Bio at Bengaluru Tech Summit November 2019
- Attended one day training program on Nutraceuticals Ingredients in Food processing organized at Department of Food Science and Nutrition, North Block, UAS, GKVK, Bangalore October 2019
- Resource person for the Seminar on National Nutrition Week conducted by Padmashree Institute of Management and Sciences Bangalore on September 2019
- Attended faculty development programme during 1st July to 12th July 2019 conducted by Biocom Academy , Bangalore
- Resource Person for the national level faculty development program on “Strengthening Quality Research in Higher Education” conducted by Padmashree Institute of Management and Sciences Bangalore on July 2019
- Attended the training of trainers programme on Nutrition & health education conducted by the community food and Nutrition extension Unit, Bangalore at IIHMR, Hlimangala post, Electronic city , Bangalore from 24th to 28th June 2019
- Attended one day workshop on ‘Evergreen options for a Blooming Career’ at Padmashree institute of Management of sciences, DEPARTMENT OF Life science, Bangalore on 15th June 2019
- Attended the hands on national work shop on skills and Strategies for a successful research career from 15th to 17th November at Padmashree Institute of Management and Sciences

- Attended the train the trainers program organized by National skill development council; Skilling in Life Sciences by Life Sciences Sector Skill Development Council; Integrating NSQF based Skilling and Vocational Education in Higher Education. held at Padmashree institute of Management and sciences on 24th to 27th July 2018
- Resource person for the Workshop on Nutraceuticals and Analytical methods conducted in Padmashree Institute of Management and Sciences Bangalore on 18-5-2018 To 19-5-2018.
- Attended a Seminar on Science Vocational Education Perspective of Industry and Academia conducted in Bangalore University Bangalore on 22nd July 2018
- Seminar on Whatsapp foods-v4.0-towards a greener and sustainable future, January 11,2019, BCIC
- Attended one day Lecture series on Characterization of Nano –Materials conducted by RV college of Engineering & B.M.S. College of Engineering, Bengaluru on 28 th Dec 2018.
- Attended three day workshop on Personality development and soft skills organized by Department of Biotechnology, PES University, Bangalore in association with Amalt-consultancy services, Hyderabad at PESU, Bangalore 17th -19th Dec 2018
- Author in a poster “Barcode study of identification *Pterocarpus santalinus* at Bangalore India Bio - 2018, Bengaluru -2018.
- Attended Hands on National workshop on skills & strategies for a successful research career conducted by Padmashree institute of management and science Bengaluru, 2018.
- Attended hands on Workshop on Tools and Techniques for a successful research career conducted by Padmashree institute of management and science Bengaluru, 2017
- Attended Training on Forest Wildlife and Environmental conservation by Institute of wood science and technology Bengaluru, 2017.
- Attended 4th International conference on Public mental health and neurosciences organized by Sarvasumana association Mumbai, India- 2017.
- A four day Hands on workshop on Biomolecular separation technologies conducted by BMS College of engineering 27 Feb- 3rd march Jan 2017.
- Attended one day workshop on International Property Rights at Bangalore Bio Innovation Centre (BBC), Bangalore n 23rd Jan 2017.

- Attended UGC sponsored one day National workshop organized by IQAC, RDC, and Department of geology, Biotechnology, Botany and Biochemistry Govt. College, Ananthpur-2017.
- Attended Science Academics sponsored two day workshop on Genomics and Proteomics for Health and Diseases” organized by BMS college of Engineering, Bangalore 2016.
- Co Author in ‘poster- walkaway of Discovery’ India Bengaluru –Bio-2016.
- Won 3rd Prize for Poster “*Nyctanthes arbortristis L.* (Night Jasmine) - A promising and cost effective substitute for Saffron in food and cosmetic industry” at Bangalore India Bio - 2015, Bengaluru -2015.
- Attended Two day workshop on “Genomics and proteomics for health and disease” sponsored by Department of Biotechnology, BMS College of Engineering Bangalore-2016.
- Attended India Bangalore –Bio-2015 and 2016.
- Attended the seminar on “Exploring career options in Life Sciences” Jointly organized by Department of Biotechnology, Bangalore University & Padmashree institute of management and science Bengaluru, July 2015
- Presented a paper on titled “somatic embryogenesis in *Ophiorhiza mungos linn* –A potent anticancer plant of western Ghats” at Eleventh all India conference on cytology and Genetics organized by Department of Molecular Biology, Bangalore University, Bangalore and Society of cytologists and geneticists, India 2012.
- One of the organizer in the National seminar on Emerging trends in plant tissue culture and secondary metabolite production 2009.
- Hardening Plant Tissue Culture plants at Wood Institute, Bangalore, Government of India, Bangalore 2005.
- Indian Institute of Science, Bangalore, Govt. Of India, Proficiency Program in Plant Biotechnology & Molecular Biology 2004.
- Plant Tissue Culture and Secondary Metabolite Production, Biotech Seminar, Padmashree Institute of Information Sciences, 2003.
- Indian Institute of Science, Bangalore, Govt. Of India, Proficiency Program in Bio Process Engineering 2002.
- A three month plant tissue culture training of commercial crops /ornamental crops conducted by Department of Botany, St.joseph’s college, Bangalore, India , 2001.

Research Papers

- M. Anuradha, **B.K.Indu**, Rinku Rajani, K.M.Divakar (2006) Somatic Embryogenesis in *Notopodytes foetida*: A potent Antineoplastic plant, Plant Cell Biotechnology and Molecular biology 7 (1&2); 77-80,
- Anuradha, Rinku Rajani, **B.K.Indu**, K.M.Divakar (2004) Production of anti-cancer compounds from cultures of *Nothapodytes foetida* of selected geographical origin, , Phytomorphology54 (3-4):185-191,
- Indu B.K. , Sudipata Kumar Mohanty and Savithri Bhat (2018) Role of Molecular markers in conservation of genetic diversity of *Pterocapus santalinus*. Springer 173-187
- Pullaiah T, Balasubramanya.S, Indu BK and M. Anuradha. 2019 Red Sanders: Trade, commerce and socio-economic status of Red sanders. In: Red Sanders: Silviculture and Conservation. Anuradha M, Balasubramanya S & Pullaiah T (Ed.), Springer 189-199
- M. Anuradha, Indu BK and Balasubramanya. S (2019) Propagation of Red Sanders: an Overview 85-100
- Pullaiah T, Kavyashree S, Indu BK and M. Anuradha. 2019. Tree improvement of Red sanders. In: Red Sanders: Silviculture and Conservation. Anuradha M, Balasubramanya S & Pullaiah T (Ed.), Springer 201-210

Personal Details

Name : Indu B.K
Father's Name : Shri K.S Keshavamurthy
Husband's Name : Shri Giridhar N
Date of Birth : 15th August, 1977
Sex : Female
Permanent Address : #730, Shashwathi, 17th cross, JP Nagar 6th phase
Bangalore -78
Languages Known : Kannada, English, and Hindi
Hobbies : Listening music.

References

- Dr M Anuradha, Principal
Padmashree institute of Management and Sciences

Kommagatta Bangalore
[Email.pimsprincipal@gmail.com](mailto:pimsprincipal@gmail.com)

- Dr. Raghunath M.R, Retd Principal Scientist
Central Institute of Freshwater Aquaculture,
Regional Research Centre,
Hesaraghatta Lake PO, Bangalore.
Email: raghnathmr@gmail.com

Declaration

I hereby declare that all the information given is true to best of my knowledge.

Place: Bangalore

Date:

Signature

(Indu B.K)