

Dr. Bhagya N

Designation: Post Doctoral Fellow

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Qualification: M.Sc., Ph.D.

Research Area: Plant tissue culture, Phytochemistry, Cancer and cell signaling

Awards / Fellowships Received

- Post Doctoral Fellowship for Women for the year 2012-13: UGC, India
- DS Kothari Post Doctoral Fellowship, UGC, India, 2013-14
- DST Start Up scheme award, 2014
- Senior Research Fellowship, VGST, Department of IT, BT and S & T, Govt. of Karnataka, India.
- Junior Research Fellowship, UGC-RFSMS, New Delhi, India.

Teaching Experience: Lecturer, Dept. of Biotechnology, St. Aloysius College, Mangalore.

Research projects handled: UGC minor research project - Sanction no. MRP(S)-038/07-08/KAMA002/UGC-SWRC, dated: 28-03-2008

Book chapters published

1. Bhagya N, Chandrashekar K R. (2016). *Cyclea peltata*: secondary metabolites and pharmacological potential. Book chapter in book “Ethnomedicinal Plants: Phytochemistry and Pharmacological Profiles” Vol-1, Ed: H P Sharma, Agrobios (International), Jodhpur, India, 167-182.

Booklet published

1. Chandrashekar K R., Bhagya N (2017). Medicinal Plants: An Introduction about the Medicinal Plants of M.V. Shasthry Herbal Garden. Vol. 1. Mangalore University, Mangalore, Karnataka.

Papers published

1. Manasa. D. J, Chandrashekar K.R., Bhagya. N. (2017). Rapid invitro callogenesis and phytochemical screening of leaf, stem and callus of *Musseanda frondosa* Linn.- a medicinal plant, *Asian J. Pharm. Clin Res.*, 10(6): 81-86
2. Bhagya N, Chandrashekar K R. (2016). Tetrandrine – A molecule of wide bioactivity. *Phytochemistry*, 125: 5-13.
3. Vidyashree Jois H S, Balakrishna Kalluraya, Babu M, Bhagya N, Chandrashekar K R (2015). Microwave assisted synthesis and biological activity of 4-(2-(aryl substituted) hydrazono)-1-(2-(p-tolyloxyacetyl)-3-methyl-1h-pyrazol-5-one. *Indian Journal of Heterocyclic Chemistry*, 25: 07-10.
4. Bhagya N, Chandrashekar K R. (2015). In Vitro Development of Meristematic centers in *Cyclea peltata* –A Pharmaceutically important Plant. *Journal of Herbs, Spices and Medicinal Plants*, 21:372–379
5. Bhagya N., Chandrashekar K.R., Balakrishna Kalluraya. (2013). Identification of a Rare Phytosteroid from *Justicia gendarussa* L. *Chem Nat Comp*, 49 (5): 972-973
6. Bhagya N, Chandrashekar K. R., Anitha Karun, Bhavyashree U. (2013) Plantlet regeneration through indirect shoot organogenesis and somatic embryogenesis in *Justicia gendarussa* Burm. f. a medicinal plant. *J Plant Biochem Biotechnol.*, 22 (4): 474 – 482
7. Bhagya N, Chandrashekar K.R. (2013). Effect of growth regulators on callus induction from *Cyclea peltata* (Lam.) Hook. F. Thoms., *Asian J. Pharm. Clin. Res.* 6(4):85-88.
8. Bhagya N, Chandrashekar K.R. (2013). Evaluation of plant and callus extracts of *Justicia gendarussa* Burm. f. for phytochemicals and antioxidant activity, *Int J Pharm Pharm Sci* 5(2): 82-85.
9. Bhagya N, Chandrashekar K R. (2013). Effect of auxins with cytokinins on stem and leaf explants of *Justicia gendarussa* Burm. f. *IJLST*, 6(1):1-8.
10. Bhagya N, Chandrashekar K.R. (2013). *In vitro* production of bioactive compounds from stem and leaf explants of *Justicia gendarussa* Burm. f., *Asian J. Pharm. Clin. Res.* 6 (1): 100-105

11. Bhagya N., Chandrashekar K.R., Muralidharan K., Amarnath C.H. (2012). Phytochemical analysis and antioxidant activity of *in vitro* cultured stem callus of *Cyclea peltata* (Lam.) Hook. f. & Thoms. *J. Trop. Med. Plants.* 13(2): 117-123.
12. Bhagya N., Chandrashekar K.R. (2011). Further research on callus induction and organogenesis in *Cyclea peltata*. *J. Trop. Med. Plants.* 12(1): 53-58
13. Bhagya N., Sana Sheik, Samhitha Sharma M, Chandrashekar K R (2011). Isolation of Endophytic *Colletotrichum gloeosporioides* Penz. from *Salacia chinensis* and its Antifungal Sensitivity. *Journal of Phytology*, 3(6): 20-22.
14. Bhagya N., Chandrashekar K R. (2010). Effect of auxin concentration on callus induction from *Justicia gendarussa* L. stem and leaf explants. *IJLST*, 3 (2): 27-35.
15. Asha A., Bhagya N., Prathibha A., Ramya S., Reshma M, Joji M.G. (2009). Anti diabetic effect of insulin plant – *Costus igneus* on streptozotocin induced diabetic rats. *Explorations*, 2(1): 85-103