

Name : **BANAPPA S UNGER**

Designation : Scientist D

Postal Address : Regional Medical Research Center (RMRC)
Indian Council of Medical Research (ICMR)
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Date of Birth : 22nd July 1975. Nationality: India

Educational Qualification: M. Pharm., Ph. D.

Research Experience: 14 Years

Duration	Institution	Position	Particulars of work done
2015- To date	RMRC (ICMR), Belagavi	Scientist D	Pharmacological evaluation of traditional herbal formulations. Development and validation of alternative bioassays
2011-2015	KLE University College of Pharmacy Belagavi	Associate Professor	Pharmacological evaluation of selected medicinal plants and traditional ayurvedic formulations
2009-2011	KLE University College of Pharmacy Belagavi	Assistant Professor	Pharmacological evaluation of selected medicinal plants and traditional ayurvedic formulations
2004-2009	KLE College of Pharmacy Belagavi/RGUHS Bangalore	Research Associate	Role of vascular NAD(P)H oxidase in vascular disorders in animal model of insulin resistance & diabetes.
2002-2004	KLE College of Pharmacy Belagavi//RGUHS Bangalore	Research Fellow	Anti-arthritis and anti-inflammatory effects of Shallaki: Possible modulation of nitric oxide & oxygen derived free radical generation.

Awards/ Fellowships:

Sl.	Name of Awards/Fellowship	Year	Awarded by
1	HRD Fellowship	2012	Dept of Health Research, MoH&FW, Govt. of India
2	Summer Research Fellowship	2010	Jointly by 3 National Science Academies (INSA-NASI- IASc)
3	Research Fellowship	2005	RD Birla Smarak Kosh, Medical Research Centre, Bombay Hospital Avenue, Mumbai.
4	Scholarship	2004	Sirasangi Lingaraj Trust, Belgaum
5	Scholarship	2004	Veerasaiva Welfare Foundation, Bangalore

Research Projects: (Major Extramural Projects: 3)

1. Optimization & Assessment of Predictive Utility of Zebrafish Embryo Genotoxicity Test – A Promising Alternative Test. Funded by Department of Health Research, Ministry of Health & family Welfare, Govt. of India (DHR-HRD-Startup grant scheme 2015-2018)
2. Role of vascular NAD(P)H oxidase in vascular disorders in animal model of insulin resistance & diabetes. Funded by RGUHS, Bangalore.(Grant-in-Aid scheme 2004-2007)
3. Anti-arthritic and anti-inflammatory effects of Shallaki: Possible modulation of nitric oxide & oxygen derived free radical generation. Funded by Himalaya Drug Co. Bangalore.(Grant-in-Aid scheme 2002-2004)

Faculty, Examiner & Paper Setter: KLE University Belagavi, Rajiv Gandhi University of Health Sciences Bangalore, NITTE University Mangalore, University of Madras Chennai, SRM University Chennai, Madurai Kamaraj University Madurai, Manonmaniam Sundaranar University Tirunelveli, Kakatiya University Warangal Telangana, JNTU Anantpur Telangana & Shivaji University Kholapur Maharashtra

Mentoring Students:

Research Guide: 15 Pharmacology Post-Graduate students & 12 Ayurveda Post-Graduate (Agada Tantra, Rasa Shastra & Bhaishaja Kalpana) students and 2 M. Tech(Bio-informatics) students

Reviewer: Reviewer for several Journals viz., Pharmaceutical Biology, Evidence-Based Complementary and Alternative Medicine, and BioMed Research International , Current Science

Membership of Professional Societies:

Life Member Society of Biological Chemists (India),
Life Member Indian Society of Hypertension

Publication

Total: 18

h-Index: 4; i10-Index: 3; Citations: 69

Selected List:

1. Banappa S Unger, Basanagouda M Patil . Apocynin Improves Endothelial Function and Prevents the Development of Hypertension in Fructose Fed Rat. *Indian Journal of Pharmacology* 2009;41(5):208-212
2. Banappa S Unger, Basanagouda M Patil. NAD(P)H oxidase inhibitor improves endothelial dysfunction and prevents the development of hypertension in fructose fed rats. *Diabetes Research and Clinical Practice* 2008; 79: S55-S55
3. Banappa S Unger, Basanagouda M Patil. NAD(P)H oxidase inhibitor improves endothelial dysfunction in streptozotocin induced diabetes in rats. *Diabetes Research and Clinical Practice* 2008; 79: S55-S55Z.

4. Basanagouda M Patil, Nagaraj M Kulkarni, Banappa S Unger. Elevation of systolic blood pressure in an animal model of olanzapine induced weight gain. *European Journal of Pharmacology* 2006;551:112-115.
5. Hemalatha K, Kiran A S, Banappa U, Satyanarayana D. Analgesic activity of caesalpina sappan heart wood. *Pharmaceutical Biology* 2007; 45(5):360-362.
6. B Veeresh, Basanagouda M Patil, SV Veeresh Babu, Neelakanth M Jeedi, Banappa S Unger. Involvement of nitric oxide in 5-HT₃ receptor agonist-induced fluid accumulation in jejunum and colon of anesthetized rats. *Indian Journal of Pharmacology* 2009;41(5):221-223.
7. Shivkumar, Ganachari M S, Banappa , Nagoor V S . Ant-inflammatory activity of Ziziphus jujube Lam. Leaves extract in rats. *Journal of Natural Remedies* 2004;4:2.
8. Vineela Pandi, Vivek Kumar, Banappa S. Unger . Fructose Consumption Promotes Onset and Severity of Environmental Carcinogen Induced Mammary Tumorygenesis in Female Rats. *Indian Journal of Pharmacology* 2013; 45 : Supplement S215
9. Shankar G. Alegaon, Kallanagouda R. Alagawadi, D. Vinod, Banappa Unger, N.A. Khatib. Synthesis, pharmacophore modeling, and cytotoxic activity of 2-thioxothiazolidin-4-one derivatives. *Medicinal Chemistry Research* 12/2014; 23(12)
10. Raju AK, Unger BS, Hullatti K, Telagari M. Evaluation of anti asthmatic activity of hydro alcoholic extract of Citrullus colocynths and Cucumis trigonus fruits. *J App Pharm Sci.* 2015; 5: 126-130
11. S Kanna, SK Hiremath, BS Unger. Nephroprotective activity of Bilvādi agada in gentamicin induced nephrotoxicity in male wistar rats. *Ancient Science of Life.* 2015; 34:127