

## PROFILE

Name: Dr Shrilaxmi Bagali

Designation: Associate Professor

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### 1. ACADEMIA

- PhD (Medical Physiology): 2015-2019, BLDE (Deemed to be University)  
Title of the PhD Thesis: Hypoxia and Cell Signalling: Cardiovascular Remodelling, Glucose homeostasis and Role of Calcium channel blocker (Cilnidipine)
- MD (Medical Physiology): 2007-2010, RGUHS, Bangalore  
Title of MD Thesis: A study of effect of age on cardiovascular autonomic functions in healthy subjects of BLDEA's Shri B. M. Patil Medical College, Bijapur.
- MBBS: 1999-2005, RGUHS, Vijayapura

### 2. CAREER RECORD

2010-2019: Assistant Professor, Department of Physiology

2019 to till date: Associate Professor, Department of Physiology

### 3. DETAILS OF THE RESEARCH PROJECTS

Sl. No	Name of the Research Project	Funding agency	Self/UG/PG
1.	Hypoxia and Cell Signalling: Cardiovascular Remodelling, Glucose homeostasis and Role of Calcium channel blocker (Cilnidipine)	BLDE (DU)	PhD
2.	A study of effect of age on cardiovascular autonomic functions in healthy subjects of BLDEA's Shri B. M. Patil Medical College, Bijapur	Self	PG
3.	Assessment of relationship between breathing pattern and vascular tone in young healthy adults.	BLDE (DU)	Mentor for UG project
4.	Study of sleep pattern and its association with working memory among medical students.	Mentor	Mentor for UG project

## 4. PUBLICATIONS

### 1. Book Chapters

S. No	Title	ISBN	Author	Publisher
1.	Introductory Chapter-Primary concept of hypoxia and anoxia. Book: Hypoxia and anoxia	978-953-51-6485-2	<b>Bagali S</b> , Hadimani GA, Biradar MS, Das KK	InTech Open Publisher, London
2.	Vitamin E for the children: From neonates to adolescents. Book: Advances in Medicine and Biology, Volume 146	978-1-53615-961-5	Ray Jaydeb, <b>Bagali S</b> , Basu S	Nova Science Publisher Inc., NY, USA

### 2. Scientific Publications

Sl. No	Publication
1.	Reddy RC, Devarnavadagi B, Yendigeri SM, <b>Bagali S</b> , Kulkarni RV, Das KK. Effect of L-Ascorbic acid on nickel-induced alteration of cardiovascular pathophysiology in Wistar rats. <i>Biol Trace Elem Res.</i> 2020; 195(1):178-186. doi:10.1007/s12011-019-01829-w. IF-2.43
1.	<b>Bagali S</b> , Naikwadi A, Das KK. Tissue specific effects of chronic sustained hypoxia on oxidative stress: Role of cilnidipine, a dual L/N type calcium channel blocker. <i>JKIMSU</i> 2019; 8(1): 31-36.
2.	Das KK, Reddy RC, Bagoji IB, Das S, <b>Bagali S</b> , Mullur L, Khodnapur J, Biradar MS. Primary concepts of nickel toxicity; An overview. <i>J Basic Clin Physiol Pharmacol</i> 2018 , <a href="https://doi.org/10.1515/jbcpp-2017-0171">https://doi.org/10.1515/jbcpp-2017-0171</a>
3.	Das KK, Yendigeri SM, Patil BS, Bagoji IB, Reddy RC, <b>Bagali S</b> , Biradar MS, Saha S. Subchronic hypoxia pretreatment on brain pathophysiology in unilateral common carotid artery occluded albino rats. <i>Indian J Pharmacol</i> 2018;50: <b>DOI:10.4103/ijp.IJP_312_17</b> . IF-1.03
4.	Khade Y, <b>Bagali S</b> , Aithala M. Impaired Pulmonary functions in workers exposed to bagasse: Is obesity an added risk? <i>Indian Journal of Occupational and Environmental Medicine</i> 2018; 22(2):92-96. <b>DOI: 10.4103/ijoem.IJOEM_32_18</b> (Pubmed/Scopus/Web of Science)
5.	Kanthe PS, Patil BS, <b>Bagali S</b> , Reddy RC, Aithala MR, Das KK. Protective effects of Ethanolic Extract of <i>Emblica officinalis</i> (amla) on Cardiovascular Pathophysiology of Rats, Fed with High Fat Diet. <i>Journal of Clinical and Diagnostic Research : JCDR.</i> 2017; 11(9):CC05-CC09. doi:10.7860/JCDR/2017/28474.10628. (Pubmed/Scopus)
6.	Teli A, <b>Bagali S</b> , Ghatanatti R. A Prediction Formula for Double Product in Pregnancy. <i>Journal of Clinical and Diagnostic Research :JCDR.</i> 2016;10(2):CC20-CC22. doi:10.7860/JCDR/2016/16838.7248 (Pubmed/Scopus)
7.	<b>Bagali S</b> , Khodnapur J, Mullur L, Dhanakshirur, Aithala Manjunatha. A study of cardiovascular autonomic nervous functions in apparently healthy middle aged individuals. <i>Indian Journal of Public Health Research and Development</i> 2015; 6(1): 158-164.DOI: 10.5958/0976-5506.2015.00031.5 (Scopus)
8.	Koraddi S, <b>Bagali S</b> , Aithala Manjunatha. Effect of Body Fat Distribution on Pulmonary Functions in Young Healthy Obese Students. <i>Journal of Krishna Institute of Medical Sciences</i> 2015; 4(4): 18-26. (Scopus)
9.	Kanthe P, <b>Bagali S</b> , Shaikh GB, Patil SM, Patil BS, Aithala M. Different anthropometric adiposity measures and their association with cardiovascular disease risk factors in middle

	aged women. Indian journal of Physiology and Pharmacology 2015; 59 (1); 57-62. (Pubmed/Scopus)
10.	Teli A, <b>Bagali S</b> , Aithala M, Khodnapur J, Dhanakshirur GB. Alterations in minute ventilation, maximum voluntary ventilation and dyspneic index in different trimesters of pregnancy. Indian journal of Physiology and Pharmacology 2014;48(1):96-99. (Pubmed/Scopus)
11.	Mullur L, Khodnapur J, <b>Bagali S</b> , Dhanakshirur GB, Aithala M. A study of short term yoga training effect on respiratory endurance and muscle strength in elderly individuals. Indian Journal of Public Health Research and Development 2014; 5(4): 37-40. DOI: 10.5958/0976-5506.2014.00008.4 (Scopus)
12.	Khade Yogita, <b>Bagali S</b> , Aithala M. Evaluation of cardiorespiratory efficiency in workers of sugarcane factory. Biomedicine 2014; 34 (3): 400-403. (Scopus)
13.	Mullur L, Khodnapur J, <b>Bagali S</b> , Aithala M, Dhanakshirur GB. Role of Yoga in modifying anxiety level in women. Indian journal of Physiology and Pharmacology 2014; 58 (1): 92-95. (Pubmed/Scopus)
14.	Kanthe Pallavi, Patil BS, <b>Bagali S</b> , Deshpande A, Shaikh GB, Aithala M. Atherogenic index as a predictor of cardiovascular risk among women with different grades of obesity. IJCRIMPH 2012; 4 (10): 1767-1774. (Scopus)
15.	Khodnapur J, Dhanakshirur GB, <b>Bagali S</b> , Mullur LM, Aithala M. Status of Physical Fitness index (PFI %) and anthropometric parameters in residential school children compared to non residential school children. JKIMSU 2012; 1(2): 137-141. (Scopus)
16.	<b>Bagali S</b> , Khodnapur J, Mullur L, Banu G, Aithala M. Aging and gender effects on rate pressure product: An index of myocardial oxygen consumption. International journal of Biomedical and advance research 2012; 3(3): 175-178. DOI: <a href="https://doi.org/10.7439/ijbar.v3i3.344">https://doi.org/10.7439/ijbar.v3i3.344</a>
17.	Teli A, <b>Bagali S</b> , Aithala M. A study of FVC, PEFR and MEP in different trimesters of pregnancy. International journal of Biomedical and advance research 2012; 3 (8): 648-652. DOI: <a href="https://doi.org/10.7439/ijbar.v3i8.609">https://doi.org/10.7439/ijbar.v3i8.609</a>
18.	Dharwadkar AR, Dharwadkar AA, Banu G, <b>Bagali S</b> . Reduction in lung functions in type 2 diabetes in Indian population: Correlation with glycemic status. Indian J Physiol Pharmacol 2011; 55 (2): 170-175. (Pubmed/Scopus)
19.	Dharwadkar AA, Dharwadkar AA, <b>Bagali S</b> , Shaikh GB. Decrease in cardiovascular parasympathetic function tests a decade earlier in females. Indian J Physiol Pharmacol 2011; 55 (1): 94-96. (Pubmed/Scopus)
20.	Deshpande A, Patil S, Aithala M, <b>Bagali S</b> , Sheikh GB. A study of atherosclerotic risk factors in postmenopausal women. International Journal of Biomedical and Advance Research 2012; 3(8): 645-647. DOI: <a href="https://doi.org/10.7439/ijbar.v3i8.606">https://doi.org/10.7439/ijbar.v3i8.606</a>
21.	Khodnapur J, <b>Bagali S</b> , Mullur M, Dhanakshirur GB, Aithala M. Role of regular exercise on VO <sub>2</sub> max and physiological parameters among residential and non residential school children of Bijapur. International Journal of Biomedical and Advance Research 2012; 3(5): 297-400. DOI: <a href="https://doi.org/10.7439/ijbar.v3i5.454">https://doi.org/10.7439/ijbar.v3i5.454</a>
22.	Mullur M, <b>Bagali S</b> , Khodnapur J, Aithala M. Role of short term yoga on pulmonary functions of young and middle aged healthy individuals. International Journal of Biomedical and Advance Research 2012; 3(4): 252-5. DOI: <a href="https://doi.org/10.7439/ijbar.v3i4.369">https://doi.org/10.7439/ijbar.v3i4.369</a>
23.	Kanthe PS, Patil BS, Khodnapur J, <b>Bagali S</b> , Mullur L, Aithala M. Comparative study of rate pressure product in obese women with non obese women. International Journal of Biomedical and Advance Research 2012; 3(7): 580-3. DOI: <a href="https://doi.org/10.7439/ijbar.v3i7.569">https://doi.org/10.7439/ijbar.v3i7.569</a>
24.	Tuppad S, H Sanganabasappa, Aithala M, <b>Bagali S</b> . A study of glycemic status and parasympathetic functions in nondiabetic offsprings of type 2 diabetes mellitus. International Journal of Biomedical and Advance Research 2012;3(12):887-890. DOI: <a href="https://doi.org/10.7439/ijbar.v3i12.852">https://doi.org/10.7439/ijbar.v3i12.852</a>

25.	Mullur L, Khodnapur J, <b>Bagali S</b> , Aithala Manjunatha. Influence of yoga practice on anxiety level of apparently healthy female subjects of Bijapur (Karnataka). International Journal of Biomedical and Advance research 2012; 3(8): 618-621. <b>DOI:</b> <a href="https://doi.org/10.7439/ijbar.v3i8.568">https://doi.org/10.7439/ijbar.v3i8.568</a>
26.	Teli A, Doddamani P, <b>Bagali S</b> . A study of respiratory rate, tidal volume, inspiratory capacity, inspiratory reserve volume in different trimesters of pregnancy. International journal of health and allied sciences 2013; 2(4): 294-297. <b>DOI:</b> 10.4103/2278-344X.126766

## 5. AWARDS AND ACHIEVEMENTS

1. **Young Scientist Award** 2019, BLDE (Deemed to be University)
2. **First prize for Best Poster presentation 2019 for research paper entitled ‘Chronic Hypoxia and cardiovascular electrophysiology: Signal transduction and role of drug cilnidipine’** at BLDEA’s Dr P. G. Halakatti College of Engineering and Technology, Vijayapura, Karnataka.
3. **Research Day Medal** by BLDE (Deemed to be University), Vijayapura, Karnataka, India for the Research project entitled “Hypoxia induced cell signalling transduction on cardiovascular pathophysiology in experimental rats” on June 6, 2018.
4. **SARS Gold Medal Award for 2018** for the presentation entitled ‘Hypoxia induced cell signalling transduction on cardiovascular pathophysiology in experimental rats’
5. **Best Paper Award 2012 for oral presentation ‘Aging and Gender effects on Cardiovascular Parasympathetic functions’** at II National Conference on Basic Medical Sciences, Vinayaka Mission’s Kirupananda Variyar Medical College & Hospitals, Salem, Tamil Nadu.

## 6. Member of Learned Societies/Associations/Academics

1. Life Member-Indian Medical Association
2. Physiological Society of India

## 7. Affiliation to Scientific/Technical Committees

1. Member, NAAC Criteria VII committee
2. Member, Institutional Mentor Ward System, BLDE (Deemed to be University), Vijayapura
3. Member, Editorial Board for News Bulletin, BLDE (Deemed to be University)
4. Member, IIC, BLDE (Deemed to be University)
5. Member, IQAC, BLDE (Deemed to be University), Vijayapura (2018-2019)
6. Member, Academic Council, BLDE (Deemed to be University), Vijayapura (2018-2019)
7. Member, BOS, Department of Physiology, BLDE (Deemed to be University), Vijayapura (2013-2015)
8. Member, Convocation Committee
9. Co-ordinator, Research Club, 2017-2018