

## FACULTY PROFILE

<b>Dr. Ravikumar Patil H. S.</b>	
<b>Professor</b>	
<b>Department of Food Technology</b>	
Qualification	: M.Sc., M. Phil., Ph. D.
Areas of Specialization	: Environmental Microbiology, Food technology
E mail	: <a href="mailto:patil_varuni@rediffmail.com">patil_varuni@rediffmail.com</a> patil_varuni@davangereuniversity.ac.in
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### Vision

An intellectually stimulating and challenging position with ample scope to contribute, learn and grow in the academic as well as Industrial domain.

### Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	<b>Ph. D.</b>	Environmental Science	Kuvempu University, Shimoga	2004
2	<b>M. Phil.</b>	Biotechnology	Vinayaka Mission University, Tamilnad.	2009
4	<b>PG</b>	LifeSciences	Kuvempu University, Shimoga	1993
5	<b>UG</b>	C,B,Z	Mysore University, Mysore	1990

### Professional Details (Academic/Research Experience)

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Selection Grade Lecturer	SRNM National College of Applied Science College, Shimoga	UG	1994	2007
2	Professor	GMIT Davangere	UG	2007	2012
3	Professor	Arogyadhama Paramedical college BRP/Bhadravathi	UG	2012	2019

**Areas of Research Interest:**

1.	Environmental Microbiology, Food Microbiology, Industrial Microbiology
2.	Food Biotechnology, Agricultural Biotechnology,
3.	Food Technology

**Academic/Administrative responsibilities:**

1.	BOS member for Microbiology UG and PG Kuvempu University 1995-1996
2.	BOS and BOE Member for Microbiology Kuvempu university 1996-1997
3.	BOS and BOE member for Microbiology Autonomous college Lalbahaddur Shashtri first grade college Sagar 1998-2000
4.	BOS and BOE member for Biotechnology VTU Belgaum 2009-2010
5.	BOE for Microbiology Autonomous Sahyadri Science College, Shimoga 2008-2009
6.	Head of the Department of Microbiology, S R N M N College Shimoga.
7.	Head of the Department of Biotechnology G M institute of Technology Davangere
8.	Professor ,Arogyadhama Paramedical college B R Project, Shimoga.

**Research Projects:**

Sl. No.	Title of the Project	Funding Agency	Project Budget	Period	Status
1.	DESIGN AND ANALYSIS OF MICROBIAL FUEL CELL(MFC) FOR SUSTAINABILITY"	DRDO, New Delhi , India.	15 lakhs	2009-2012	Completed

**Research Publications:****a) National / International Journals**

1.	Ravikumar Patil H.S, Haraprasad N, Makari H.K, Gurumurthy.H Chetan .D. M Anilkumar H.S. Polyphene Composition of Nutraceutical Concentrate Obtained from Edible Vegetable Oil Seeds. EJEAFChe (ISSN: 1579-4377) 7(8):3181-3198, 2008.
2.	H. S. Ravikumar Patil, Makari H. K. Gurumurthy H. In-vitro Antimicrobial activity of ethanol extract of Thevitia peruviana, Electronic Journal of Environmental, Agricultural and Food Chemistry(ISSN: 1579-4377), 6(9):2318-2322. 2007.

3.	M. Abhilash, H.K. Makari, H. S. Ravikumar Patil: Insilico Analysis Of Cranberry Proanthocyanidin As An Inhibitor For Modeled A fimbrial Adhesin Virulence Protein Of Uropathogenic Escherichia Coli. The Internet Journal of Medical Informatics.(ISSN 1937-8300), IMPACT FACTOR – 2.7, 4(1): 2008.
4.	H. S. Ravikumar Patil, Makari H. K. Gurumurthy H In-Vitro Biosorption of Lead and Zinc by using Living Biomass of Aspergillus oryzae, ECO Services International: Green Pages: An Internet Journal. Switzerland.
5.	H. S. Ravikumar Patil, Makari H. K. Gurumurthy H .Mukunda S, Prasheeth Kekuda, Chetan D M , Anilkumar H S. Effect of Cow Urine on fungal Spore Germination. Biotechnology: An Indian Journal (ISSN 0974-7435), 1(3): 130-134. 2007.
6.	H. S. Ravikumar Patil, Makari H. K. Gurumurthy H Ramalingappa, Mukunda S, Prasheeth Kekuda, Chetan D M . Anilkumar H S Effect of Agnihotra on Air borne Microorganisms. Research and Reviews in Biosciences: An Indian Journal (ISSN 0974-7532).3(2): 2008.
7.	Manjunath B. K, H. S. Ravikumar Patil, Vidya S M, Kekuda T R, Mukunda S And Divakara, Studies on the antibacterial activity of Mucuna monosperma. Indian Drugs (ISSN 0975-5500),).IMPACT FACTOR – 3.1, 43(2): 150-152. 2006.
8.	Suresh, H. S. Ravikumar Patil, G Ramdas and E T Puttaiah. A Preliminary Study on Ecological Characteristics of Chillur Pond, Near Honnali, Davangere dist, Karnataka India. Eco. Envi. Cons (ISSN: 0971-765 X), IMPACT RATING- 3.7, 11(3-4):451-454. 2005.
9.	H. S. Ravikumar Patil, Gurumurthy H, Makari H K , Madhukar B M, MaruthiK.R, Divakara Regeneration Of Rice Via Somatic Embryogenesis And Variant Analysis Using RAPD. Biotechnology: An Indian Journal (ISSN 0974-7435), .2(1), 2008
10.	H. S. Ravikumar Patil, Makari H. K. Gurumurthy H, H.L.RaghavendraD.M.Chetan, H.S.Anilkumar Antifungal potency of cow urine Reasearch and Reviews in Biosciences (ISSN 0974-7532): 1(4-5), (196-198), 2007
11.	H. S. Ravikumar Patil, Rekha Chinnikate Makari H. K. Gurumurthy H, In-vitro Screening of Stress Tolerant Legume Plants. EJEAFChe (ISSN: 1579-4377), 7(11): 3334-3352, 2008.
12.	Makari H. K, Haraprasad N, H. S. Ravikumar Patil. In Vitro Antioxidant Activity of The Hexane And Methanolic Extracts Of Cordia Wallichii And Celastrus Paniculata. The Intenet Journal of Aesthetic and Antiaging Medicines, (ISSN 2156-0544), IMPACT FACTOR – 1.582, 1 (1): 2008.
13.	H. Gurumurthy, V. Krishna, H.S. Ravikumar Patil, Suresh P. Babu &: A preliminary Phytochemical Studies on the seeds of Celastrus paniculata, Willd.: The Internet Journal of Pharmacology(ISSN 1531-2976). 2008; Volume 6, Number 1.
14.	M. Abhilash, H.K. Makari, H. S. Ravikumar Patil Insilico Structural Analysis of Afimbrial Adhesin Virulence Protein Of Uropathogenic Escherichia coli Biotechnology: An Indian Journal(ISSN 0974-7435).2(3),2008
15.	M. Abhilash, H.K. Makari, H. S. Ravikumar Patil: Microarry Technology. The Internet Journal of Medical Informatics. 2009. (ISSN 1937-8300), IMPACT FACTOR – 2.7, Vol;4 Number 2.
16.	Gurumurthy H Ramachandra Y L ,Padmalattha rai,Ravikumar Patil H S ,Suresha Babu,P Antimicrobial studies on Aerva lanata juss. Journal of Environment and Ecology (ISSN 0970-0420),27(1): 32-35.2009
17.	T.R.Prashith Kekuda, S.Mukunda, H.S.Ravikumar Patil Studies On Comparative Antibacterial Activity Of Aqueous And Ethanolic Extracts Of Caesalpinia Bonducella Flem. Fruit Biotechnology:An Indian Journal Vol. 3, Issue 2, 2009
18.	H.S.Ravikumar Patil, H.A.Sayeswara, H.Gurumurthy, H.K.Makari, M.Abhilash, K.L.Naik Preliminary Phytochemical Evaluation And Antibacterial Studies On Vitex Altissima L Biotechnology An Indian Journal Vol. 3, Issue 2, 2009

19.	Sayeswara H A, Ravikumar Patil H.S , Maruthi K R, Makari H K, Abhilash M In-Vitro Studies On Salinity Stress On The Growth Of Aspergillus Oryzae Reasearch and Reviews in Biosciences (ISSN 0974-7532): Volume 3(1) March 2009
20.	H. K. Makari, H. S. Ravikumar Patil, M. Abhilash and H. D. Mohan Kumar Genetic diversity in commercial varieties of chilli as revealed by RAPD method , Indian Journal of Science and Technology Vol.2 No 4 (Apr. 2009)
21.	Sayeswara H. A, Ravikumar Patil H.S Comparative Studies On Antibacterial Potency Of Leaf, Stem Bark And Root Bark Of Butea Superba Roxb., Research and Reviews in Biosciences(ISSN 0974-7532): Volume 3(2-3) September 2009 Vol. 3, Issue 2, 2009
22.	H. K. Makari, H S. Ravikumar Patil and M. Abhilash Phytochemical Screening and Antimicrobial Activity of Leaf Extracts of Cordia Wallichii and Celastrus Paniculata International Journal of Biotechnology and Biochemistry(0973-2691), Impact factor – 0.414, 5( 3 ),2009 pp. 325–333
23.	H. A. Sayeswara, H. S. Ravikumar Patil* and Mahesh Anand Goudar Studies on physico-chemical parameters of Purle pond water of Shivamogga, Karnataka (INDIA) Int. J. Chem. Sci.: (ISSN 0972-768X), 8(1), 2010, 582-588
24.	MS Prashanth, HA Sayeswara, H S Ravikumar Patil*Impact of Copper Cyanide on behavioral changes and oxygen consumption in Indian major carp Catla (Hamilton). EJEAFChe, (ISSN: 1579-4377) 9 (9), 2010. [1433-1442]
25.	H. K. Makari, Nandini J, Ravikumar Patil H. S, Krishnamurthy , Latha K, Nischita J Molecular Characterization of BRCA 1 and BRCA 2 Genes by AP-PCR Fingerprinting in Breast Cancer . ASIAN J. EXP. BIOL. SCI. VOL 1 (4) 2010(915-921)
26.	H.A. Sayeswara, T. Vasantha Naik, H.S.Ravikumar Patil and Mahesh Anand Goudar. Study On Habitat Ecology And Phytoplankton Diversity Of Nagathibelagalu Tank In Industrial Town Bhadravathi, Karnataka, India. Nature Environment & Pollution Technology, 11(3), 419-423, (ISSN: 0972-6268), IMPACT RATING 3.5 , Scopus H Index: 02. Scopus SJR: 0.026, Cites/ Doc.(2yr): 0.024 (International Journal).
27.	H.A.Sayeswara, T.Vasantha Naik, H.S.Ravikumar Patil and K.M. Prashantha. Phytoplankton Diversity And Pollution Indicators Of Purle Pond Water Of Shivamogga, Karnataka, India. Ecology Environment & Conservation, 18(3), (ISSN: 0971-765 X), 18(3), 631-633, 2012. IMPACT RATING 3.5, Scopus H Index: 07. Scopus SJR: 0.025, Cites/Doc.(2yr): 0.015 (International Journal).
28.	T. Vasantha Naik, K.M.Prashantha, H.A.Sayeswara and H.S.Ravikumar Patil. Studies On Flora And Faunal Diversity In Hirekalgudda State Forest, Arasikere, Hassan, Karnataka, India. Environment Conservation Journal (ISSN: 0972-3099-Print, 2278-5124-Online), IMPACT FACTOR – 0.58 13(1&2), 85-92, 2012.
29.	H.S.Ravikumar patil, T. Vasantha Naik, T. Vijay Avin and H.A.Sayeswara. Isolation, Cloning And Transformation Of Glucan Binding Protein (Gbp) Gene. Discovery biotechnology (ISSN: 2319-7773, EISSN: 2319-7781), 1(1), 18-22, 2012 (International Journal).
30.	H.A.Sayeswara, T. Vasantha Naik, K.L.Naik and H.S.Ravikumar patil. Diversity Of Avian Fauna Of Thirthahalli Panchayat Town Of Shivamogga Town, Karnataka, India. Discovery Science (ISSN: 2278-5485, EISSN: 2278-5477), 2(6), 103-115, 2012
31.	Vasantha Naik, K.M.Prashantha, H.A.Sayeswara and H.S.Ravikumar Patil. Medicinal Plants Of Hirekalgudda State Forest, KARNATAKA, INDIA. Environment Consservation Journal (ISSN: 0972-3099-Prints, 2278-5124-Online), IMPACT FACTOR – 0.58 , 13(3), 23-28, 2012,
32.	H.S.Ravikumar Patil, Namrata N. Vernakar, T. Vasantha Naik, H.A.Sayeswara and B.R.Vijay Avin. Designing And Optimisation Of A Bioreactor For Biosorption Of Heavy Metals By Algae And Fungi. International Journal of Biotechnology, Photon (ISJN 1784-6372). IMPACT INDEX - 4.23, 111, 187-196, 2013.

33.	H.S.Ravikumar Patil, T.Vasantha Naik, B.R.Vijay Avin and H.A.Sayeswara. Cloning And Transformation Of Meca Gene Of Staphylococcus Aureus Isolated From Hospital Samples. Int. J. Chem. Sci. (ISSN 0972-768X), IMPACT FACTOR- 0.063, 11(1), 518-520, 2013.,
34.	H.S.Ravikumar Patil, T.Vasantha Naik B.R.Vijay Avin, H.A.Sayeswara and Mahesh Anand Goudar. Isolation Of Tdc Gene From Aloe Vera And Its Characterization And Cloning. Asian Jr. of Microbiol. Biotech. Env. Sc. (ISSN 0972-3005), 14(2), 263-272, 2013. Impact Rating-2.6(NAAS 2012), H-Index-09, Scopus SJR: 0.036, Cites/Doc.(2yr): 0.027
35.	H.S.Ravikumar Patil, T. Vasantha Naik, B.R.Vijay Avin and H.A.Sayeswara. Isolation And Molecular Characterization Of Bacillus Megaterium Isolated From Various Agro Climatic Zones Of Karnatka And Its Effect On Medicinal Plant Ruta Gradiolus. Current Research in Microbiology and Biotechnology (ISSN 2320-2246), 1(4), 173-182, 2013.
36.	T. Vasantha Naik, E.T. Puttaiah, H.S.Ravikumar Patil, H.A.Sayeswara and Nafessa Begum. Phytoplankton Community Composition In Gowrikere Tank, Anandapura, Sagara, Shivamogga, Karnataka, India. Sci. Technol. Arts Res. J. (ISSN 2305-3327), UNIVERSAL IMPACT FACTOR-1.0510 2(2), 70-74, 2013
37.	H S Ravikumar Patil, To find the Efficacy of crude extract from plantson germination;10(2);87-93,2018 International Journal of Phyto medicines ISSN 975-0185 impact factor 0.65
38.	H S Ravikumar Patil Phytoplankton community composition in Gowrikere tank, Anandapuram, Sagar, Shimoga, Karnataka, India 2(2);70-74, 2013 International STAR Journal ISSN 2226-7522 Impact factor 1.2356
39.	Chethan DM ,Ravikumar Patil Isolation and Molecular method for the identification of Fusarium solani from solid wastes 2(1);42-49,2013 International STAR journal ISSN 2226-7522 Impact factor 1.2356
40.	H S Ravikumar Patil ,In vitro anti bacterial activity of aerva lantana 27(1);32-35,2009 Environment and Ecology ,ISSN 0970-0420
<b>Book Published / Book Chapters Published:</b>	
1.	A Text Of Human Physiology 2009 I K International Publishers New Delhi
2.	Microbiology 2019 New Delhi Publishers ,New Delhi:Kolkata.

### Conference/ Workshops/Trainings attended

#### International/National Conferences:

1. AICT/MHRD Sponsord short term traing programme on Industrial Biotechnology Organized by dept of Chemical engineering NITK Suratkal From 21 July 2008 to 2 August 2008
2. National level Traing Workshop On Gas Chromatography Mass Spectrometry (GC-MS) in Environmental Analysis from 22-26 January 2008 At Dept Of Environmental Biotechnology, Bharathidasan University, Thichirappalli
3. Assessment of western ghat development conducted by Karnataka state council for science and technology, Indian institute of Science, Bangalore
4. National seminar on advances in Mycology, conducted by department of Biosciences, Mangalore University.
5. National conference on industry and environment held at Yashawanth Rao Chavan college of science, Karad, Maharastra

6. UGC sponsored state level seminar on DNA: Past, Present and Future, conducted by DVS College of arts and Science, Shimoga.
7. Life style center, aids education program conducted on aids awareness training program, Conducted by National service scheme, department of youth affairs and sports, Government of India , New Delhi.
8. Bio diversity and conservation held at Sahyadri College, Shimoga.
9. Changing face of forests in Shimoga district, conducted by Kuvempu University.
10. Science communication work shop conducted by Kannada university, Hampi
11. Medicinal and aromatic plants of Malenadu, Uses and chemical analysis, conducted by Sahyadri science college, Kuvempu University.
12. Seminar on higher education organized by Tunga Vidyavardhaka Sangha, Thirthahally NIEPA, New Delhi. Kuvempu University.
13. Aids education program (Peer educators' program) conducted by Kuvempu university.
14. Kuvempu university level work shop on Total Quality Management, Autonomy and NAAC, conducted by Giriyamma Kanthappa College, Harihara, collegiate education department Bangalore and Kuvempu University.
15. Work shop on Intellectual Property Rights, conducted by Kuvempu University and National law School of India University.
16. NAAC sponsored southern regional conference on Post accreditation initiatives on quality sustenance and quality enhancement, held at Vellalar college for women, Erode,Tamilnadu
17. Work shop on Microbiological methods organized by Department of Microbiology, PG center, Shivagangotri, Davanagere.
18. Seminar on Recent Trends in Biotechnology conducted by research and PG studies in Microbiology, Kuvempu University.
19. Seminar on enzymes and its activity conducted by research and PG studies in Biochemistry, Kuvempu University.
20. Work shop on water management conducted by research and PG studies in Environmental science, Kuvempu university
21. Work shop on wet land eco system and conservation conducted by research and PG studies in Environmental science, Kuvempu university
22. Anti fungal activity of cow urine. Paper presented in national seminar conducted by Bhagavan Jain College, Bangalore.
23. Effect of agnihotra on fungal flora Paper presented in national seminar conducted by Bhagavan Jain College, Bangalore.

#### ***Refresher Courses attended:***

1. UGC refresher course in applied zoology conducted by department of PG studies and research in applied zoology, Kuvempu University.
2. UGC sponsored refresher course in Environmental science, conducted by department of PG studies in Environmental science, Kuvempu University.

#### **Seminar conducted**

1. Convener for JAIVIK-2010 A National level seminar on "Bio IT-Computing code of life" held at GMIT on 11th November 2010
2. Convener for JAIVIK-2009 A National level seminar on "Emerging trends in Biotechnology" held at GMIT on 16th May 2009
3. Coordinator for JAIVIK-2007 A National level seminar on "Recent trends in Biotechnology" held at GMIT on 16th & 17th November 2007



### CHAired/CO-CHAired SESSIONS

1. Chaired Oral presentation session (O2P) "Mesmerizing fields of Environmental Biotechnology" A State Level Conference held at Department of PG Studies and Research in Biotechnology Sri Dharmastala Manjunatheswara College (Autonomous) Ujire Karnataka (April 8-9, 2011).
2. Co-Chaired Oral presentation session at National Conference on "Advances in Biotechnology held at BIET Davangere

### Achievements/Awards/Professional Membership

1.	Best Faculty award 2019 V D Good Technology Factory, Visakapatnam,
2.	Member board of Examination of Biotechnology VTU 2008-2009
3.	Chairman of Board of Examination Microbiology kuvempu university 2005- 2006
4.	Coordinator for Practical Examinations kuvempu university 2004-2005
5.	Member of board of Examination kuvempu university 2004-2005 and 1999-2000
6.	Member of Board of Studies in Microbiology for UG and PG-1998-2000 Monitoring Lab technician courses
7.	

### Professional Membership

1.	Life member The Association of Microbiologists of India (AMI) Life membership no 4502-2016
2.	Member Mycological society of India (MSI)

### Personal Details

<b>Gender</b>	Male	
<b>Date of Birth</b>	8 <sup>th</sup> July 1967	
<b>Contact details</b>	<b>Address for Communication</b>	<b>Permanent address</b>
	Professor Department of Food Technology, Davangere University, Shivangotri, Davanagere - 577002, Karnataka, India.	Varshashreya Nilaya,6 <sup>th</sup> cross ,Channel side, Vinobhanagara, 1 <sup>st</sup> Stage Shimoga -577204 Karanataka, INDIA

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