

CURRICULUM VITAE

Dr. SHUBHA

Associate Professor
Department of Botany
Government First Grade College
Vijayanagara, Bengaluru- 560104
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EDUCATIONAL QUALIFICATION:

Degree	Subject & Specialization	University & Year
B.Sc.,	CBZ	Mysore, 1991
M.Sc.,	Botany, Cytogenetics & Pt. Breeding	Mysore, 1993
Ph.D	Botany, Microbiology Thesis: 'Utilisation of rural waste with bioinoculants for medicinal plants'	Bangalore 2010

AREAS OF INTEREST:

Research:

- ✚ Antioxidants, antimicrobial activity, micropropagation and organic agriculture of medicinal plants, women health

Education:

- ✚ Quality management in Higher Education,
- ✚ Academic and administrative audit
- ✚ Women Education and women health
- ✚ Writing articles on environment related issues and academic quality
- ✚ Quality assurance and sustenance
- ✚ Education: Creating awareness among students regarding their research and environment related issues.

TEACHING EXPERIENCE: 27 YEARS

Position Held	Name of the Institute	Name of the University	Period
Lecturer	Department of Biosciences, Hemagangotri, Post Graduation Centre, Hassan, Mysore University.	Mysore	1993-96
Lecturer	Department of Botany, Government Science College, Hassan, Karnataka, India	Mysore	1996-98
Lecturer	Department of Botany, Maharani's Science College for Women, Palace Road, Bangalore.560 001, Karnataka, India	Bengaluru	1998-2002
Senior Scale Lecturer	Department of Botany, Maharani's Science College for Women, Palace Road, Bangalore.560 001, Karnataka, India	Bengaluru	2002-2005
Research Scholar	Department of Botany, Bangalore University, Bangalore, Karnataka, India.	Bengaluru	2005-2005
Selection Grade Lecturer	Department of Botany, Maharani's Science College for Women, Palace Road, Bangalore.560 001, Karnataka, India	Bengaluru	2007 -2010
Associate Professor	Department of Botany, Maharani's Science College for Women, Palace Road, Bangalore.560 001, Karnataka, India	Bengaluru	2010-2011

Co-ordinator for UGC funded carrier(add-oncourse) oriented course on "Biodiversity and Role of medicinal plants in Primary Health Care"	Department of Botany, Maharani's Science College for Women, Palace Road, Bangalore.560 001, Karnataka, India	Bengaluru	2010-11
Head of the Department of Botany	Government First Grade College, Vijayanagara, Bangalore. 560 104. Karnataka, India.	Bengaluru	2011-18 2020-till date
Other posts held UGC and research committee Co-ordinator	Government First Grade College, Vijayanagara, Bangalore. 560 104. Karnataka, India.	Bengaluru	2011-13
IQAC and NAAC Co-ordinator	Government First Grade College, Vijayanagara, Bangalore. 560 104. Karnataka, India.	Bengaluru	2013-till date

RESEARCH EXPERIENCE: 16 YEARS

RESEARCH PAPERS PUBLISHED

Sl No	Title of the Paper	Name of the Journal	Year of publication
1	Distribution of AM Fungi in some rare and endangered medicinal plants	Journal of Microbial world	Vol.12(2) 2010
2	Anti Oxidant and Nutrient content of Micro propagated <i>CostusPictus</i> inoculated with beneficial soil micro organisms.	Advances in Plant Sciences (International Refereed Journal),	Vol.23(2),2010

3	Evaluation of Heat stable protein, Total Soluble Proteins and Antibacterial properties of <i>Costus pictus</i> D. Don	The Bioscan. International Quarterly Journal of Life Sciences	Vol 5(1), 2010
4	Antibacterial activity of protein extracts of selected mulberry varieties	The Bioscan. International Quarterly Journal of Life Sciences	Vol 5(1), 2010
5	Environment friendly strategy to increase antioxidant content and produce of <i>Sauropus androgynus</i>	The Bioscan International Quarterly Journal of Life Sciences	Vol.3 (2). 2011
6	Screening of antibacterial activity of Total Soluble Protein of mulberry varieties	International Journal of current pharmaceutical research	Vol.3 (2). 2011
7	Growth, Antioxidant and NPK content analysis of Compost and biofertiliser treated medicinal plant: <i>Alternanthera sessilis</i>	Asian Journal of Microbiology, Biotechnology and environmental Sciences.	Vol.15.(1).2013
8	<i>In vitro</i> micropropagation of <i>Trichopus zeylanicus</i> through seed explant	Journal of biology, agriculture and health sciences, an International Journal	Vol.4(9)2014
9	Development of abnormal somatic embryos in Banana CV Nanjangudrasabale (Silk GP. Rasthali. AAB)	Journal of Bioinnovations	Vol.3(2) 2014.
10	Health and hygiene awareness in slums of Indiranagar and Karekallu - a study	REACH Vol I	ISBN

11	Cultivation Economics of the medicinal plant – <i>Adathodavasica</i>	REACH Vol 11	ISBN.
12	A Review on patenting of Novel Microorganisms for degradation of plastics –An eco friendly approach	Dynamics of Intellectual Property Rights-A compendium of articles'	ISBN: 978-81-940537-1-2

PAPERS PRESENTED

Sl No	Title of the Paper	Name of the Conference	Date & Place
1	Distribution of AM Fungi in some rare and endangered medicinal plants	8 th National Seminar on Soil Biology in Human Welfare	5 th – 7 th Oct 2005 Tanjore, Tamil Nadu India
2	Bioinoculants for Micro propagated <i>Sarcostemma</i> Sp.	Bio Vistas National Conference	24 th – 25 th Feb 2006 St. Joseph PG & Research Centre, Bangalore, India.
3	Liquid Bioinoculants enriched compost and their efficiency in production of medicinal plant – <i>CostusPictus</i>	Plant & Fungal Bio Diversity & Bio Prospecting	18 th – 19 th Jan 2007 Goa University, Goa.
4	Anti Oxidant and Nutrient content of Micro propagated <i>CostusPictus</i> inoculated with beneficial soil micro organisms.	International Conference on 3 rd Global meet on Medicinal & Aromatic Plants	21 st – 24 th Nov 2007 Chiang Mai Univ. Thailand.
5	Effect of different consortia of bioinoculants on the growth and nutrient content of <i>Andrographispaniculata</i>	International Conference on 4 th Global meet on Medicinal & Aromatic Plants	1 st – 5 th , Dec 2009 Kuching Sarawak

			Malaysia
6	Ecofriendly approach for the growth and cultivation of medicinal plant, <i>Sauropusandrogyneus</i>	International Conference on Environmental pollution, water conservation	29 th July-31 st July 2010 Bangalore University, Bangalore, Karnataka, India
7	Growth, Antioxidant and NPK content analysis of Compost and biofertiliser treated medicinal plant: <i>Alternantherasessilis</i>	International Conference on on Medicinal plants and herbal products organized by School of Medicine , George Washington University , Maryland, USA.	6th-8th Sep 2013 organised by School of Medicine , George Washington University , Maryland, USA.
8	Herbs and estrogen hormone therapy in transgirls-a study	National Seminar of TrangendersIdentity:Negitiations and struggles	09/10/2018,organized by the Dept. of English, GFGC, Vijayanagara

GENERAL ARTICLES PUBLISHED

Sl. No.	Title of the Article	Published in	Level	Volume/ Issue	Date/ Year
1.	Transformation of mother earth to tangible asset -	Environment Pollution	International	Vol 19: No:03:	May 2018
2.	Beat plastic pollution -	Environment Pollution	International	Vol 19 No:04:	June 2018
3.	Organic farming- Evergreen farming???(Green revolution)	Environment Pollution	International	Vol 19:: No:04:	July No:04: 2018
4.	Loss of biodiversity	Environment Pollution	International	Vol 19: No:06:	Aug 2018
5.	Development at the cost of our health-	Environment Pollution	International	Vol 19: No:07:	Sep 2018
6.	Impact of coal mining on Environment and Man-	Environment Pollution	International	Vol 19: No:08:	Oct 2018

7.	Tree Monoculture to polyculture and permaculture-	Environment Pollution	International	Vol 19: No:09:	Nov2018
8.	Priceless treasure of Western Ghats-	Environment Pollution	International	Vol 19: No:10:	Dec 2018
9.	Carbon sequestering- Mitigating global warming	Environment Pollution	International	Vol 19: No:12:	Feb2019
10.	World Water Day-Why freshwater is vital for survival? Please leave no one behind	Environment Pollution	International	Vol 19: No:02	Apr 2019
11.	Microplastics- Oct 2019	Environment Pollution	International	Vol 19	Oct 2019
12.	Academic and Administrative Audit - A significant Domain of Higher Education Institutions	Online magazine: Dataquest of Times group	International		Sep 2019
13.	From Spanish Flu, Swine Flu, SARS, EBOLA to Corona Virus ...Humans Please Take care!!!'	Online magazine:Dataquest of Times group	International	Vol 21 No.6	Aug 2020

BOOKS EDITED

Sl. No.	Title of the Book	Publisher	ISSN/ ISBN No.	Year
1.	REACH- Compendium of research articles, Vol 1	GFGC, Vijayanagar	ISBN: 978-81-930080-9-6 Vol1	2014
2.	REACH- Compendium of research articles, Vol 2	GFGC, Vijayanagar	ISBN: 978-81-930080-9-6 Vol1 Vol 2	2015
3.	Proceedings of the UGC sponsored National Conference on "Environmental Degradation and its	GFGC, Vijayanagar	ISBN: 978-81-910657-9-4	2016

	effects on Sustenance of Life			
4.	Dynamics of Intellectual property Rights	Kajana	ISBN: 978-81-940537-1-2.	2019
5.	Proceedings of NAAC sponsored National Seminar on Academic and Administrative Audit- A benchmark for quality enhancement in higher education			2019

RESEARCH GUIDANCE

Sl. No.	Course	No. of Enrolled	Awarded	University & Year
1.	Ph.D	1	0	REVA, 2020

RESEARCH PROJECTS

Sl No	Title of the Research Project	Position in the project	Name of the Funding agency	Year	Completed/On going
1	Growth and antioxidant content analysis of compost and bioinoculant treated medicinal plants	Principal Investigator (Minor Research Project)	University Grants Commission, Government of India, New Delhi, India	2010 onwards	Successfully completed
2	Antibacterial activity of <i>Sauropusandrogynus</i>	Principal Investigator (Student project)	Department of Science and Technology, Government of Karnataka, India	2011	Successfully completed
3	Antibacterial activity of	Principal	Department of Science and	2011	Successfully

	Costuspictus	Investigator (Student project)	Technology, Government of Karnataka, India		completed
4	'Lifestyle diseases in rural women due to urbanization-A case study in Bangalore rural'	Director (Major Research Project)	ICSSR	2019	Ongoing

STUDENTS PROJECTS GUIDED

Sl No	Title of the Student Project	Position in the project	Name of the Funding agency	Year	Completed/Ongoing
1	Mendelian Traits analysis	Project Guide	Self - funded	2007	Succesfully completed
2	Mushroom cultivation	Project Guide	Self - funded	2012	Successfully completed
3	Health and Hygiene study in Slums of Bangalore	Project Guide	IQAC funded	2014	Successfully completed
4	Medicinal Plants of DhanvantriVana	Project Guide	-	2019	Successfully completed
5	Flora of NeladaSiri	Project Guide	-	2020	Completed

HONOURS AND AWARDS:

Sl. No	Name of the Award/recognition	Name of the Agency	For the work	Level	Date / Year
1.	"Best Teacher Award"	Lion's Club	Teaching	-	2009
2.	Talented Scientist	4th International Conference on Medicinal Plants and herbal products organized by School of	outstanding contribution in the field of medicinal	International level	2012

		Medicine , George Washington University , Maryland	plants research		
3.	Bharat ShikshaRathan'	Global Society for health & educational growth	For Contribution to girls education	National	2012
4.	Best Teacher	Kotak Mahindra	Teaching	-	2019
5.	Best Speaker Award	one week FDP on 'Statistical Analysis in Academics and Research' held from 1-11-2020 to 7-11-2020 jointly organized by International Journal of Microbial Science and Sushila Shankar RaoGadhveMahavidyalaya , Khandala, Satara District, Maharashtra on Institutional Governance and Policy Document	Best Invited talk	National	2020
6.	Guided Students -II Prize	Science Model exhibition	KRVP	Regional	2019

National Advisory Board Member:

For National Web Conf. on 'Sustainability in the Commerce, Scientific, Technological, Linguistic & Environmental Sectors' organized by RJS First Grade College on 6/6/2020

RESOURCE PERSON:

Sl. No	Title of the talk	Title of the event	Organised by	Level	Date
1.	Antioxidants	Keynote speaker at International Conference on Advances in Science , Engineering and	IRERP	International	17 th April 2016

		Technology at Bengaluru,			
2.	Genetic Engineering	Key note speaker at the International Conference on Applied Science, Engineering and Technology	Sai Ram Engineering College, Anekal	International	6 th and 7 th June 2016.
3.	Genetic Engineering on	Invited talk	BMS college,	College	6/10/2010
4.	'Organic Farming' on	Invited Lecture	REVA University, Yelahanka	For PG students	18/08/2018
5.	'Genetic Diseases and Inheritance Pattern'	Invited Lecture	Reddy Jana Sangha First Grade College, Koramangala, Bengaluru	College	22/09/2018.
6.	Judge	Science Model Making Competition	Maharani's Science College, Palace Road, Bengaluru	Institutional	28 th Feb 2019
7.	Judge	Judge for Science Model Making Competition	KLE College, Bengaluru	Institutional	Feb 2016
8.	Special Talk	Organising National Level Seminars and funding agencies'	GFGC, Yelahanka	Institutional	
9.	Role of IQAC NAAC process	one day FDP	St. Theresa's Degree College for Women, Bangalore	Institutional	18/3/2020

10	Reach of Online Education	5 days National level FDP Webinar on 'Sustainability of Quality Parameters In Higher Education Institutions'	Nehru Arts and Science College, Coimbatore	National	14/05/2020
11	'Balancing the nature through bio conservation: A sustainable challenge in Post COVID-19'.	One day Webinar	RJS First Grade College, Bengaluru	State	08/06/2020
12	Governance and Policy Document	one week FDP on 'Statistical Analysis in Academics and Research' held from 1-11-2020 to 7-11-2020	International Journal of Microbial Science and Sushila Shankar RaoGadhavMahavidyalaya, Khandala, Satara District, Maharashtra on Institutional	National	3/11/2020s

SEMINARS/WORKSHOP/CONFERENCES ORGANIZED AS ORGANIZING SECRETARY / CONVENER/ COORDINATOR:

Title	Level	Sponsorship /Organised by	Date
One day regional level workshop on 'Process of re-accreditation and Teaching Pedogogy''	Regional	College IQAC	8 th Feb 2014
Autonomy: Process	State	College IQAC	7 th Mar 2017

and Challenges			
Environmental Degradation and its effects on sustenance of life	National	UGC	4 th and 5 th Mar 2016
Dynamics of Intellectual Property Rights	National	VTPC	13 th Mar 2019
Academic and Administrative Audit- A benchmark for quality enhancement in higher education	National	NAAC	18 th of Sep 2019
WEBINARS ORGANISED DURING COVID -19 PANDEMIC			
Outcome Based Education in 4 batches	Online National Level FDP	IQAC In association with INPODS	29 th April, 1 st May, 4 th May 7 th May 2020
Artificial Intelligence and emerging technologies	International Webinar	IQAC In association with Department of Computer Science	18 th May 2020
Innovations in Digital Education with technology	Online National Level FDP	Organized by IQAC, Innovation Club and Computer Science Depts	29/05/2020
Fluid Dynamics and its applications	International Webinar	Organised by IQAC and Dept. of Mathematics	28 th and 29 th May 2020
Disaster management and Responsibilities of Media	National Webinar	Organised by Depts. of Geography, Journalism, NSS and IQAC	5 th June 2020
Biodiversity-Need for Conservation of Habitat	National Webinar	Organised by Ecoclub in association with IQAC	6 th June 2020
Psycho-social impact of COVID-19 on	National Webinar	Organised by Departments of Psychology and	10 th June 2020

adolescents		Sociology in association with IQAC	
Migration and Reverse Migration	National Webinar	Organised by IQAC and Dept. of Economics	13 th and 14 th June 2020
Impact of COVID-19 on Indian Higher Education during	International Webinar	Organised by IQAC and Dept. of Political Science	18 th June 2020
Application of Ayurveda, Medicine and Technology to combat COVID-19	International Webinar	Organised by Depts. of Botany, Zoology, Chemistry and IQAC	19 th to 23 rd June 2020
Transgender Persons and COVID-19	National Level Webinar	Organised by Dept. of English and IQAC	11 th July 2020
College Women health and Hygeine	International	Organised by Dept. of English and IQAC	24 th July 2020
Role of women in building civilized society	National	IQAC and Women Empowerment Cell	21 st Oct 2020
Enterpreneurship as a career option and funding ecosystem	Panel Discussion	IQAC and Placement Cell	29 th Oct 2020
Health and Fitness in Post -Covid status	International	IQACand PE and Sports	31 st Oct 2020

SUBJECT EXPERT

- 1) for e-content development, DCE Karnataka.
 - 2) for e-content development by **Department of Collegiate Education**, Government Karnataka and delivered video lectures
 - 3) for e-tender committee of **Department of Collegiate Education**, Government of Karnataka,
 - 4) Karnataka Public Service Commission
 - 5) in the State level committee to enhance quality in teaching in Government Colleges.
- 8) Moderator for e content development for Bangalore University

E-CONTENT DEVELOPED:

SL No.	Title/Module of the e-content	Name of the YouTube/channel	Date of launching and link
1	General Characters of Bryophytes	Jnananidhi	https://www.youtube.com/watch?v=UUjiSvwwrk8&t=104s 28.4.20
2	Study of distribution, structure, reproduction, classification and alternation of generation in Marchantia	Jnananidhi	https://www.youtube.com/watch?v=aMUy0bdPAQw&list=PLtYOP47gu_V0UI7mgeBcYfxUP6yOMYFE_&index=13 28.4.20
3	Study of distribution, structure, reproduction, classification and alternation of generation in Anthoceros	Jnananidhi	https://www.youtube.com/watch?v=RRDoZHjCaiQ&t=42s 28.4.20
4	Study of distribution, structure, reproduction, classification and alternation of generation in Funaria	Jnananidhi	https://www.youtube.com/watch?v=o8YLKvH_hX8&t=18s 28.4.20
5	Plant Movements -A brief account on the classification and types of movements	Jnananidhi	https://www.youtube.com/watch?v=JqJDtKst95E&t=672s 23.4.20
6	Photoperiodism and Vernalisation	Jnananidhi	https://www.youtube.com/watch?v=Sz4A_LZS7mA&t=1266s 22.4.20
7	Dormancy	GFGCV	https://www.youtube.com/watch?v=jSb7pMw-t5k&t=4s
8	Botany : Morphology and Anatomy Part I on PINUS	Jnananidhi	https://www.youtube.com/watch?v=YsgA2S662Eo&t=214s 30.4.2020s
9	Pinus:Reproduction	GFGCV	https://www.youtube.com/watch?v=YFGnMtc_b0mc&t=46s
10	Contributions of Louis Pasteur and Anton van Leeuwenhoek	Dr.Shubha Gururaj	https://youtu.be/158o5XjL2jY 14.11.2020
11	Contributions of Robert Koch and Alexander Fleming.	Dr.Shubha Gururaj	https://youtu.be/L2CjguPTYSc 14.11.2020
12	Water stress and resistance mechanism in plants	Dr.Shubha Gururaj	https://youtu.be/N6E5qvDsBK4 22/11/2020
13	Heat Stress and resistance	Dr.Shubha	https://youtu.be/2klkQ3J4Lrg

	mechanism in plants	Gururaj	22/11/2020
14	Salt Stress and resistance mechanism in plants	Dr.Shubha Gururaj	https://youtu.be/ScAw1ZjuEuc 22/11/2020

MEMBER OF BOARD OF STUDIES/ BOARD OF EXAMINERS:

Sl.No.	Position held [Member/Chairman of BoS/BoE]	Name of the University/ Autonomous College	Period [from-to]
1	BoS Member of Genetics	Bangalore	2011-14, 2015-17
2	BoSChiraperson, Genetics	Bangalore	2017-18
3	BoS Member Microbiology	Bangalore	2010-13
4	BoS Member	MLA College, Autonomous	2018-20
5	BoS Member	GSC, Autonomous	2018-20
6	BoS Member	MCU ,	2018-20
7	BoS Member	Maharani College, Mysore Autonomous	2017-20
8	BOS Member Botany	Bangalore University	2017-20
9	BOE Member	Bangalore University	2018-19
10	BOE Chairperson Botany	Bangalore University	2020-21

MEMBERSHIP OF PROFESSIONAL BODIES:

Sl.No.	Name of the Society	Year of Membership	Membership details
1.	KGCTA	2000	

REVIEWER FOR THE INTERNATIONAL JOURNALS

1. International Journal of Agricultural Policy and Research
2. Journal of Functional Foods (Elsevier Publication)
3. Issues in Scientific Research
4. Applied Ecology and Environmental Research
5. Microbiology Journal International

CONSULTANCY: NAAC & Environment related issues

EXTENSION ACTIVITY:

- Rural Women health
- Undertaken ICSSR sponsored major research project on lifestyle diseases in rural women due to urbanization
- Environment related issues

Connect me through: (Optional)

Personal

Blogs:



:Dr.ShubhaGururaj

I affirm that the information given above is true and correct to the best of my knowledge.

Date :6/11/2020

signed by/-

Place : Bangalore Dr.Shubha