

## CURRICULUM VITAE

### Dr. Gayatri Vaidya

Assistant Professor

Department of Post Graduate studies and research in Food Technology

Qualification: MSc, PhD

**Areas of Specialization:** Plant biotechnology/Agriculture Biotechnology, Biofuel technology, Edible vaccines, Food packaging, Food Biotechnology.

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### Vision

To secure a challenging, responsible and growth-oriented positions in the learning, teaching and research-oriented field of plant science / Agricultural sciences / Food Technology / Biotechnology where I could effectively utilize my skills and abilities to contribute the finest to organization and ascertain a successful career.

### Educational Qualifications

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	Ph.D	Biotechnology	Gulbarga University, Gulbarga Under the guidance of Prof G R Naik.	2016
2	PG	Biotechnology	Bangalore University, Bangalore	2008
3	UG	CBZ (Chemistry, Botany, Zoology)	Karnataka University, Dharwad	2005

### Professional Details (Academic / Research Experience)

Sl. No.	Designation	Institution/University	UG/PG	From	To
1.	Assistant Professor	Davangere University	PG	August 2019	Till-date
2.	Senior Scientist	Sangenomics Research Lab	PG	January 2016	August 2019
3.	Research Scholar	Gulbarga University.	PG	June 2011	December 2015
4.	Assistant Professor	BLDEA's Commerce, BHS Arts & TGP Science college, Jamkhandi	UG	June 2008	June 2011

### Areas of Research Interest:

1.	Plant / Agriculture Biotechnology
2.	Biofuel technology
3.	Food Packaging Technology, Food Biotechnology, Edible vaccines.

### Academic/Administrative responsibilities:

1.	Served as BOE member for Vijayanagar Shri Krishnadevaraya University Bellary for the year for the academic year 2019-20, 2020-21 and 2021-22.
2.	Question paper setter for PG (Food Technology) Davangere University and PG (Microbiology) Vijayanagar Shri Krishnadevaraya University Bellary for the year 2019-20 and 2020-21.
3.	Departmental Coordinator for various groups like SWAYAM / Alumni Meet / Parent meet Davangere University for the academic year 2019-20, 2020-21 and 2020-21
4.	Revised and upgraded syllabus for MSc First and Second year (Food Technology) and for PhD. Course work for the academic year 2020-21.
5.	Organised International and National Seminars for academic year 2020-21 and 2021-22.
6.	Committee member for various groups like task force for COVID-19 / Stock Verification / social media / discipline /student grievance / Admission process Davangere University for the academic year 2020-21.
7.	Guided PG Students for Projects, Student counsellor, Seminars and dissertation for the academic year 2019-20 and 2020-21
8.	Served as Senior Scientist in department of Plant Biotechnology guided students for Physicochemical characterization, biochemical marker study, Molecular marker study (RAPD and ISSR), Tissue culture and Molecular characterization for crop improvement strategies inSangenomics fromJanuary 2016 to August 2019.
9.	BOE member for UG (Biotechnology) at Karnataka University, Dharwad and Rani Chennamma, University, Belagavi for the academic year 2011-12, 2012-13 and 2013-14.
10.	Established Swardha Women's committee and served as chairperson for women's association at BLDEA's BHS Arts/TGP Science college, Jamkhandi 2010-11.
11.	BOS Member for UG (Biotechnology and Microbiology) at Rani Chennamma University, Belagavi for the academic year 2010-11, 2011-12, and 2012-13.
12.	In charge for Starting and Framing syllabus for Mushroom Culture (certificate course) and appointing suitable faculties for the course. Engaged classes respectively in 2011.
13.	Worked as Head of the Department at Department of Biotechnology in TGP Science College. Jamkhandi for the academic year 2010-11.
14.	Established laboratory for Tissue Culture (certificate course) and for Department of Biotechnology at BLDEA's BHS Arts/TGP Science college Jamkhandi, Engaged classes respectively in 2009.
15.	Served as external examiner of practical examination for BSc at RLS college, Belagavi and Basaveshwar science college, Bagalkot from 2008-2013.
16.	Served as internal examiner of practical examination for BLDEA's BHS Arts/TGP Science college, Jamkhandi from 2008-2011.

## Research Publications:

1.	<b>Gayatri Vaidya</b> and G R Naik., (2021).Molecular assessment of genetic diversity among male, female and hermaphrodite <i>Simarouba species</i> using random amplified polymorphic Deoxyribosenuclid acid markers. <b>IJCRR</b> . Volume 13, issue 11 page199-205
2.	H K Makari, Krishnaveni Ramakrishna, <b>Gayatri Vaidya</b> , Prema Kulkarni, Sirish Balija and Hassna Sheikh (2021). Green Synthesis of silver nanoparticles from <i>Muntingia calabura</i> fruit extract and its biological activities. <b>IJPSR</b> 2021: 12(5) 2957-2965.
3.	Krishnaveni Ramakrishna, <b>Gayatri Vaidya</b> (2021) Synthesis and Characterization studies on antibacterial activity of colloidal silver nanoparticles from <i>Artocarpus hisutus</i> fruit extract. <b>Research journal of Chemistry and Environment</b> . (Accepted)
4.	<b>Gayatri Vaidya</b> , Ganesh N Yallappa, S Manjappa (2020) Design, Synthesis of Doped Pyrazoles and Pyrozolo-pyrimidines By a Specific Method for In-vintro and In-vivo Screening Novel Covid – 19 as ACE2 Human Cell Receptors. <b>European Journal of Molecular and Clinical Medicine</b> . (Accepted)
5.	<b>Gayatri Vaidya</b> , V. Umakanth Naik, Prachi P. Parvatikar (2020). Identification of Novel Inhibitors fort TG2 (Tissue Transglutaminase) and DJ-1 (Protein Deglycase) against Parkinson’s Diseases by Pharmacophore- based Approaches. <b>IJPSDR</b> 12(5)..509-516.,2020
6.	Prachi P. Parvatikar and <b>Gayatri Vaidya</b> . (2020) Biodegradion of plastics by <i>Bacillus subtillis</i> , <i>Pseudomonas aeruginosa</i> , and <i>Aspergillus niger</i> isolated from polythene polluted area. <b>Unnati international journal of biological research</b> .
7.	<b>Gayatri Vaidya</b> and G R Naik. (2020). Bioproductivity evaluation of oil seed plants to provide sustainable feedstock to Biodiesel Industry. <b>SRF journal of multidisciplinary vol 7: 9, July 2020</b>
8.	<b>Gayatri Vaidya</b> , G. R. Naik (2018) Comparative Evaluation of Bioproductivity Studies of Simarouba, Pongamia and Jatropha for Biodiesel Parameters. <b>International Journal of Current Research and Review vol 10, Issue 5, March 2018 DOI: 10.7324/IJCRR.2018.1058</b>
9.	<b>Gayatri Vaidya</b> and G. R. Naik (2014) Identification of RAPD marker linked to sex determination in <i>Simarouba</i> . <b>International Journal of Current Research vol 6, Issue 9, pp.8314-8316, September 2014</b>
10.	<b>Vaidya G</b> and G. R. Naik (2014) Molecular identification of sex in <i>Simarouba glauca</i> by RAPD markers for crop improvement strategies. <b>Biotechnology Reports Volume 4, December 2014, Pages 56–59 doi:10.1016/j.btre.2014.08.003</b>
11.	Paper presentation entitled “ <b>Necessity of innovations in food packaging technology</b> ” International Conference (Virtual) Sustainable Approaches in Food Engineering and Technology (SAFETy-2021) 24 <sup>th</sup> and 25 <sup>th</sup> June 2021
12.	<b>Gayatri Vaidya</b> and G R Naik. (2020). “ <b>Biodiesel: A promising Alternative renewable fuel</b> ” in National Conference on Environment, human health and sustainable development goals organized by Environmental Social Development Association (ESDA) Delhi. On 5-6 June 2020.
13.	<b>Gayatri Vaidya</b> and G R Naik (2020) “ <b>Bioproductivity evaluation of oil seed plants to provide sustainable feedstock to Biodiesel Industry</b> ”World environment summit 2020 organized by Environmental Science and Development Association at V P Chest Institute Delhi on 18-19 Jan 2020.
14.	<b>Gayatri Vaidya</b> and G R Naik (2019)“ <b>Simarouba gluaca a potential feed stock for biodiesel production</b> ” 15 <sup>th</sup> Kannada science Conference organized by Swadeshi Vignana Andolana held in Davangere University on 15 to17 September 2019
15.	<b>Gayatri Vaidya</b> and G R Naik (2015) “ <b>Comparative analysis of Bioproductivity studies on bio fuels plants for their biodiesel parameters</b> ” 2 <sup>nd</sup> International Conference on Biotechnology and Pharmaceutical Sciences Organized by Bright International Conference & Events Hyderabad India on 03-04 August 2015.
16.	<b>Gayatri Vaidya</b> and G R Naik (2015) “ <b>Biodiversity and Conservation of Flora and Fauna of Riverine Systems in Karnataka</b> ” National Seminar on held at B.L.D.E Association’s Commerce, B.H.S. Arts and T.G.P. Science College Jamkhandi on 29 <sup>th</sup> and 30 <sup>th</sup> of July, 2015.
17.	<b>Gayatri Vaidya</b> and G R Naik (2014) “ <b>Emerging Trends in Biotechnology XI convention of the Biotech Research Society, India. Indo-Italian Workshop on Industrial Pharmaceutical Biotechnology</b> ” held at Jawaharlal Nehru University, New Delhi 6 <sup>th</sup> to 9 <sup>th</sup> November, 2014.

18.	<b>Gayatri Vaidya</b> and G R Naik (2014) Karnataka Science and Technology Academy Regional Conference on “ <b>Science and Technology for Development</b> ” at Central University of Karnataka. Gulbarga on 30 <sup>th</sup> and 31 <sup>st</sup> January, 2014.
19.	<b>Gayatri Vaidya</b> and G R Naik (2012) “ <b>Biochemical evaluation of biodiesel plant seed for biodiesel parameters</b> ”in Second National Conferences on “Biotechnology, Bioinformatics and Bioengineering.” Held at Hotel Atria,204, Station Road, Kolhapur, during 24 -25, 2012.
20.	<b>Gayatri Vaidya</b> and G R Naik (2011) “ <b>A review on Biofuel technology</b> ” in 7 <sup>th</sup> Kannada Vighyan Samhelana held in Gulbarga University. Gulbarga. On 15-17 2011.

#### Book Publications:

1.	<b>Text book of Biofuel Technology by LAP-Lambert Academic Publishing, 2021 ISBN No. 978-620-3-30739-9 (International Publication). 2021</b>
2.	<b>Text book of Food Packaging Technology by SHINEEKS DEEPER KNOWLEDGE PUBLISHERS ISBN No.978-1-63278-948-8. (International Publication). 2021</b>

#### Orientation / Refresher / FDP / STC / Workshops / Summer School / Symposia Attended:

1.	Attended <b>Two Week</b> Inter Disciplinary <b>Refresher Course</b> (Research Methodology & Data Analysis) Organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by <b>Ministry of Human Resource Development PMMMNMTT</b> from July 17 - July 31 2021.
2.	Attended <b>workshop</b> on “Workshop on NAAC <b>CRITERA</b> ” Organized by <b>IQAC, Davangere University</b> , Davangere. From 03-02-21 to 10-02-21
3.	Attended <b>One-Week</b> Short term “119 Online <b>Short-Term Course</b> on E-Content Development” Organized by <b>UGC-Human Resource Development Centre Gujarat University</b> . From 18-01-21 to 24-01-21.
4.	<b>One-week</b> Online <b>Faculty Development Programme</b> on “ICT Enhanced Teaching Learning and Creating MOOC’s Organized by Teaching Learning Center, Ramanujan College, <b>University of Delhi and IQAC Shivaji College University</b> of Delhi from 18-08-20 to 25-08-20.
5.	Attended <b>4 Week Induction / “Orientation Programme”</b> Organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by <b>Ministry of Human Resource Development PMMMNMTT</b> from June 4 - July 01 2020.
6.	Attended <b>One-Week</b> Short term course “14th Online <b>short-term course</b> on E-Content Development” Organized by <b>UGC-Human Resource Development Centre</b> , Gujarat University, Ahmadabad from 28-05-20 to 03-06-2020.
7.	National Sage <b>Summer School Programme</b> “Recent advances on microbial Bio inoculants for Improvement of Agricultural sustainability” Organized by <b>SAGE University Bhopal</b> . From 26-05-20 to 01-06-20.
8.	<b>Two-weeks Faculty Development Programme</b> “Managing Online Classes and Co-Creating MOOCs:2.0” Organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by <b>Ministry of Human Resource Development PMMMNMTT</b> from 18-05-20 to 01-06-20.
9.	Attended <b>workshop</b> on “Online course design, develop and delivery” Organized by <b>UGC-Human Resource Development Centre</b> , University of Hyderabad. From 11-05-20 to 13-05-20.
10.	One day workshop on <b>Swayam-NPTEL and MOOCs</b> ” held at GH Rasoni Institute of Engineering and Technology Nagpur. On 26-06-21
11.	One day workshop on “ <b>Academic Accreditations – The way Forward “(NACC Awareness Workshop to principals, IQAC Coordinators and University Staff)</b> Organized by Davangere University Davangere on 02-02-21.

Achievements/Awards	
1.	Received <b>Excellence in research award</b> from Institute of Scholar, InSc awards 2020 awarded on 20 <sup>th</sup> Feb 2021.
2.	Received <b>Excellence in research award</b> from International Research Award on Science, Health and engineering organized by Science Father (Scifax) at Abu Sarovar Portico Chennai on 11-12 Jan 2020
3.	Received <b>Green Leadership award</b> from World environment summit 2020 organized by Environmental Science and Development Association at V P Chest Institute Delhi on 18-19 Jan 2020.
4.	Received <b>First prize</b> for best speaker presentation in 2 <sup>nd</sup> International conference on biotechnology and pharmaceutical sciences, for “Comparative analysis of Bioproductivity studies on biofuel plants for their parameters.” held at Leonia International Convention Center, on 3 <sup>rd</sup> and 4 <sup>th</sup> August 2015.
5.	Received <b>First prize</b> for poster presentation in Regional Conference on Science and Technology for Development, for “ <b>Simarouba species –A challenging biofuel plant for the Development of Hyderabad Karnataka region</b> ” held at Central University of Karnataka, Gulbarga on 30 <sup>th</sup> and 31 <sup>st</sup> January 2014.

Membership / Editorship/Reviewer:	
1.	Lifetime member of Indian Women Scientists Association (IWSA), Mumbai
2.	Lifetime patron member of Environment and Social Development Association (ESDA) Delhi.
3.	Lifetime patron member of Association of Food Scientists and Technologists (India) (AFSTI) Mysore.
4.	Lifetime member of Institute of Scholar (InSc), Bangalore.
5.	Peer reviewer for the journal “ <b>International journal of Food Science and Biotechnology</b> ”.
6.	Peer reviewer for the journal “ <b>International Journal of Basic and Applied Sciences (InSc)</b> ”.
7.	Peer reviewer for the journal “ <b>Plant cell Biotechnology and Molecular Biology</b> ”.
8.	Peer reviewer for the journal “ <b>A and V Publications</b> ”.

Webinar / Seminar Awards	
1.	Organizing Committee member for one day international webinar on “ <b>Higher education and research opportunities in Europe and France</b> ” conducted by Food technology dept Davangere University on 2 <sup>nd</sup> of July 2021.
2.	Organizing Committee member for one day national webinar on “ <b>Nutritional aspects and molecular events during COVID-19 Pandemic</b> ” conducted by Food technology dept Davangere University on 21 <sup>st</sup> of June 2021.
3.	Organizing Committee member for two days national Seminar on “ <b>Recent trends in Food Science and Technology</b> ” conducted by AFSTI Davangere Chapter in association with Foodtech forum. 11 <sup>th</sup> and 12 <sup>th</sup> June 2021.
4.	Organized One day national webinar on “ <b>Artificial Intelligence (AI): Applications in Life Science</b> ” conducted by Food technology dept Davangere University on 15 <sup>th</sup> of June 2020.
5.	Organizing Committee member for one day national webinar on “ <b>Natural Products Development</b> ” conducted by Food technology dept Davangere University on 31 <sup>st</sup> of May 2020

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Symposia/Conferences/Seminars Attended (in the year 2020 and 2021):

1.	<b>“Emerging trends, Opportunities and challenges in Green Biotechnology”</b> Organized by Lokamangal college of Agricultural Biotechnology, Wadala, Solapur (MH) on 08-11-2020.
2.	Revised Accreditation Framework of NAAC Quality Enhancement Practices in Higher Education, organized by S S JAIN SUBODH COLLEGE, JAIPUR. Under UGC PARAMARSH SCHEME on 21-10-2020.
3.	<b>“Grow, Nourish, Sustain: Together”</b> Organized by Department of Studies in food technology and Food Technology Forum Davangere University Davangere. On 16-10-2020.
4.	<b>“Pandemics and Hunger Mainstreaming millets for food and nutritional”</b> Organized by Department of plant Sciences, School of life sciences, University of Hyderabad. on 08-06-2020.
5.	<b>“Intellectual Property Rights, An Overview Myth and Realities”</b> Organized by Department of Botany and Department of Computer and Management KLE Society’s Science and Commerce college Kalamboli, Navi Mumbai. On 06-06-2020.
6.	<b>“Microbiologist in Everybody”</b> Organized by Biocon Academy and Biotechnika Info Labs Pvt Ltd., on 04-06-2020.
7.	Attended International E-Conference <b>“Food Safety Tech and Cannabis Food labs and Cannabis Lab”</b> from 02-06-20 to 05-06-20.
8.	<b>“Economic Development Strategies post COVID-19 Pandemic”</b> Organized by Academic Development Committee B.S.N.V.P.G College (KKV) Lucknow, Davangere University Davangere. On 30-05-20.
9.	<b>“Future of Library and LMS: Flexibility Solutions for Young Learners and Academicians”</b> Organized by People’s Education Society’s Siddharth College of Arts. Science and Commerce Mumbai in association with National Child and women development Council Maharashtra State and Edify. on 29-05-2020.
10.	Attended International E-Conference on <b>“Recent Advances in Agricultural and Environment for improvement of Agricultural sustainability”</b> Organized by Sage University Bhopal. From 27-08-20 to 29-08-20.
11.	<b>“Impact of Covid-19 Pandemic on Indian Education System”</b> Bajaj College of Management and Technology, Gadarpur, Udham Singh Nagar (Uttarakhand) on 27-05-2020.
12.	<b>“Cloud Virtual Education system becomes New Normal”</b> organized by IEEE young Professionals Bangalore.on 24-05-2020.
13.	<b>“Traditional Indian Food Habits, Life Style and Immunity in Reference to COVID-19”</b> Organized by Department of Home Science, Deen Dayal Upadhaya Gorakhpur University, Gorakhpur U.P India (Under the UGC quality Mandate Notification D. O No. 1-3/2020 (DM) on 23-05-2020 to 23-05-2020.
14.	<b>“International Day of Biological Diversity”</b> Organized by Biotechnika Info Labs Pvt Ltd. on 22-05-2020.
15.	<b>“Research Methodology on EBESCO host (APS &amp; BSE) - VISTAS”</b> Organized by EBESCO Information Services and Customer Engagement South India. on 19-05-2020.
16.	<b>New Paradigms of research in Education”</b> Organized by Centre of research, Indian Institute of Teacher Education, Gandhinagar Gujarat. On 08-05-2020 to 19-05-2020.
17.	<b>“Food Forensics: Investigating Food Crimes and Frauds “</b> Organized by Institute of Research and Development, Gujarat Forensic Sciences University. on 16-05-2020.
18.	<b>“Understanding Drug Development Process: Application to Discovery of COVID 19 Therapeutics”</b> Organized by Department of Chemistry, Indian Academy College-Autonomous, Bangalore. on 15-05-2020.
19.	<b>“Current Status of Epidemiology, Pathogenesis, Diagnosis, Therapeutics and Vaccines for Covid 19”</b> Organized by Faculty of Bio-Sciences, Institute of Bio-Science and Technology, Shri Ramswaroop Memorial University on 14-05-2020.
20.	<b>“IEEE Society Chapter Webinar Series”</b> Organized by IEEE Bangalore Section. During 12 <sup>th</sup> may - 15 <sup>th</sup> May 2020

21.	<b>“Post Covid -19: Strategies for International Marketing of Agricultural and Food Products</b> “Organized by National Productivity council . New Delhi. On 10-05-2020.
22.	<b>“Plant derived smoke compound as Bio-Stimulants and their application in crops”</b> Organized by KLE Society’s Science and Commerce college Kalamboli, Navi Mumbai. On 09-05-2020.
23.	<b>“Tips to become Successful Entrepreneur”</b> Organized by Young Professional and IEEE Bangalore on 08-05-2020.
24.	<b>“Impact of Covid 19 on Food and Agricultural Business Sectors”</b> Organized by Erode Arts and Science College (Autonomous) Erode, in association with Elies Biotech Private Limited and Biological Science Forum. On 02-05-2020.
25.	<b>“Potential and Diverse Applications of Atmospheric Cold Plasma for Innovation and Migration of Corona Virus (nCovid-19):</b> Organized by AFST(I) Mysore. On 01-05-2020.

Personal Details:		
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	#Staff Qtrs T2, University campus Shivgangotri, Davangere University, Davangere-577007. Karnataka.	#4015. Opp. P B. High School. Umarameshwar road. Jamkhandi-587301. Dist; Bagalkot. Karnataka.