

## FACULTY PROFILE

### Dr. SANTOSH KUMAR S. R.

ASSISTANT PROFESSOR  
DEPARTMENT OF STUDIES IN  
FOOD TECHNOLOGY,  
DAVANGERE UNIVERSITY,  
DAVANGERE -577 007



*Qualification* : **M.Sc , Ph.D.**

*Areas of Specialization:* TISSUE CULTURE,  
PHYTOCHEMISTRY,  
PHARMACOLOGY,(Plant Biotechnology).

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### Vision:

The Vision for Davangere University is to set up an International centre of excellence which integrates technological, managerial and behavioral aspects of the Indian Food Processing industry with the clear objective of catapulting the sector to the numero uno position in the India. Unlike the existing food science institutes in India, Davangere University department of food technology will be function as a centre for integrated education, research, enterprise incubation and outreach in the area of food technology and business.

Experts believe that there will be significant economic gains from incubation and enterprise development, which can in turn catalyze the growth of the Food Processing Sector in the national and international spheres by nurturing world class entrepreneurs. "To be an International Center of Excellence which integrates all facets of food technology, entrepreneurship and management and be recognized as the focal point for catalyzing the growth of the food processing industry in India in the global context."

"To be a center of excellence in training, research, outreach and consultancy services in Food Technology with emphasis on value addition of agricultural produce, processing technology driven conservation of food, nutritional goodness, food security and safety assurance through stakeholder sensitization".

### Educational Qualifications:

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	PhD.,	Biotechnology.	Kuvempu University DR. V. KRISHNA	2010-2015
2	M.Sc	Biotechnology	Kuvempu University	2007-2009

3	P.G.D in ICQC	Industrial chemicals and quality control	Kuvempu University	2008
4	M.Sc	Botany	Kuvempu University	2009-2011
5	B.Sc.	Biotechnology, Botany chemistry	Kuvempu University	2005-2007

### Areas of Research Interest:

1.	<b>Plant tissue culture techniques</b> (Preparation of <b>plant tissue</b> for <b>tissue culture</b> is performed under aseptic conditions under HEPA filtered air provided by a laminar flow cabinet. Thereafter, the <b>tissue</b> is grown in sterile containers, such as petri dishes or flasks in a growth room with controlled temperature and light intensity.)
2.	<b>Nutraceutical.</b> (A <b>nutraceutical</b> is defined as any substance that is a food or part of a food and provides medical or health benefits, including the prevention and treatment of disease)
3.	<b>Bioprocessing of food</b> ( <b>Bioprocessing</b> involves the use of biologically-derived substances, such as live cells like animal, plant, yeast, fungi, microbial or enzymes, to generate valuable products) ,and Chromatography techniques .


### Research Projects Ongoing:

Sr . N o.	(Less than 10 lakhs)	Funding Agency	Grant Sanctioned	Duration	
				From	To
1	DUSMYTR- GRANT SANCTION LETTER , No: DU/HRM/2020-21/6045.	Davangere University, Davangere, Karnataka India	20,000=00	03-03-2021.	
2	UGC-START-UP GRANT - FRPS	UGC New Delhi	10,0000=00	12-09-2021	

## Chapters in Edited Book:

1	<b>Biomolecule:</b> The current status and future perspectives “Antimicrobial secondary metabolites from marine fungi” 29-39	Santosh Kumar Shimoga Rajanna 2021 ISBN 10: 81-7019-702-2 ISBN 10: 9788170197027	Today and Tomorrow's Printers and Publishers 4436/7, Ansari Road, Daryaganj, New Delhi - 110 002 (India)
2	<b>Essential Biomolecules:</b> “Agro-industrial Wastes as Substrates for Microbial Enzymes Production through Solid State Fermentation (SSF) Process” Pages: 52-66	2021 Santosh Kumar Shimoga Rajanna ISBN: 978-93-90611-96-6	Copyright@2021, Narendra Publishing House, Delhi
3	<b>Global Food Safety:</b> chapter 3; Microbial Interventions and Molecular Advancements: Role of Foodborne Pathogens and Microorganisms in Food Safety.	2021 Santosh Kumar Shimoga Rajanna, <b>ISBN: 9781774910108</b>	CRC Press , a Taylor & Fanncis Group apple academic press, USA and Canada
4	<b>Global Food Safety:</b> chapter 7: <b>Tracing Foodborne Pathogens Using Molecular-Based Approaches</b>	2021 Santosh Kumar Shimoga Rajanna <b>ISBN: 9781774910108</b>	CRC Press , a Taylor & Fanncis Group apple academic press, USA and Canada
5	<b>Fundamentals and Advances in Medical Biotechnology</b> Chapter Title: Biotechnology in Medicine: Advances - I Authors:	2021 Santosh Kumar Shimoga Rajanna Contract Approval Number: 116552 Order Number: 89104335	Publisher: Springer Nature
6	<b>Advances in Nontechnology:</b> <b>Current uses, future applications in Biomedicine</b>	“Nanoparticle-Based Sustainable Agriculture: Recent Advances and Future Outlook	Publisher: Shineeks publishers private limited
7	<b>Advances in Nontechnology:</b> <b>Current uses, future applications in Biomedicine</b>	An Overview of Nanotechnology in Food Science: Applications, Recent Trends and Future Perspectives	Publisher: Shineeks publishers private limited

## Patents:

Sl. No.	Title of the Invention	 <b>INTELLECTUAL PROPERTY INDIA</b> <small>PATENTS   DESIGNS   TRADE MARKS GEOGRAPHICAL INDICATIONS</small>	Publication Date :	International classification
1	CYSTEINE-FUNCTIONALIZED GOLD NANOSTRUCTURES AS CHEMICAL SENSOR: PHYSICS	<b>Application No :</b> 202141036928 A	20/08/2021	G01N0021640000, B82Y0030000000, B82Y0015000000, G01N0033200000, G01N0033553000

## Editorship/ Reviewer of Journals:

1	Reviewer for International Journal of basic and applied sciences.2020.
2	Reviewer for <i>Open Access Journal of Veterinary Science &amp; Research (OAJVSR)</i> ISSN- (2474-9222) Journal from 2017

## Membership of Professional Bodies:

Membership	Period			Details
	From	To	Duration	
Institute of scholars			Membership valid for Life time.	Recognized as Professional Member of Institute of scholars No: InSc20202884.
Member of AFST(i),			Membership valid for life time.	Recognized as Professional Member of AFST(i),NO:AFST/LM/4-2020/DVNG/3506.
Member of <b>SSRN Elsevier</b>			Membership valid for Life time	Recognized as A Society for learning Technologies India 2021/LM/248.

## Awards/Fellowship/ Honors and Prizes received:

Sr. No.	Name of the Award / Fellowship	Awarding Institute/ Organization	International/ National /	Date Awarded
1	<b>“Young Scientist Award” 2021</b> "IJIEMR-ELSEVIER SSRN RESEARCH AWARDS 2021"	<b>International Journal For Innovative Engineering and Management Research</b> IJIEMR (ISN:2456-5083) Elsevier SSRN Research	International	08 <sup>th</sup> August 2021
2	Recognized as <b>Research excellence Award 2020</b>	Institute of Scholars ISSN:ISSN-0972-3005 Page no.: no.(1:179-180)	International	February 2020
3	Recognized as. <b>‘KARUNADA RATNA’ 2019</b> in the field of Education and Science ,	Award by Karnataka Kala Samskrutika Pratishthana(R). J.P. Nagar, mysore.	National	7 <sup>th</sup> December 2019
4	Recognized as. <b>Recipient of Junior Research Fellow:</b>	from Kuvempu University Department of OBC&M.; shankarghatta, shimoga, karnataka,India.	Kuvempu University	(273):2010-11: dated: 16-11-2010
5	Recognized as. <b>Recipient of Junior Research Fellow</b>	from New Delhi, India under UGC sponsored Research Fellowship in Sciences for Meritorious Student	National	from 2012-2014.
6	Conducted <b>Life Science examinations</b>	for assignment of Valuation Work. JSS Academy of Higher Education & Research. Mysuru, Karnataka, India-570015.	Appointment of Examiner	4th to 6th January 2020.

## Experience of Teaching;

Nature of appointment (Permanent / Temporary)	Institution / College	Period service	Grade of pay scale UGC/State
<b>Guest faculty</b>	<b>Dept. of Biotechnology,</b> Kuvempu University. shankarghatta, shimoga, karnataka, India	1-08-2015 to June 2019  Four Academic Year	RS. 20,000
<b>Assistant Professor</b>	<b>Dept. of Studies in Food Technology</b> Davangere University Davangere -577 007, Karnataka. India.	19-08-2019 to Till date Three Academic Year	Rs: 57700- 182400

## Special lecture delivered:

:	Title	Place	Sponsoring agency	Date
1	"Assessing the outgrowing needs for education in the field of environment".	<b>Oral</b> Shivamogga	Shree Bhagiratha Uppara yuva sanae	26 <sup>th</sup> January 2020
2	COVID-19-Food Technology. Youth hostel Mysuru	<b>Oral</b> Mysuru	GOVT. of India, ministry of youth affairs and sports, youth hostel , gangothri layout , saraswathipuram, mysuru	Invited on 17 <sup>th</sup> March 2021
3	On the occasion of 74 <sup>th</sup> Independence day, "COVID-19 and food dietaries" Shivamogga	<b>Oral</b> Shivamogga	Government High School Vinobhanagar Bommanakatte, Shivamogga	Invited On 15 <sup>th</sup> August 2020 ,

## Academic/Administrative responsibilities:

Sl No	Activity	Involvement in the University/College students related activities/research activities
1	<b>Administrative responsibilities: Head, Chairperson, Dean, Director, Co-ordinator, Warden etc.</b>	1) COVID 19-TASK FORCE MEMBER 2) STUDENTS MONITORING COMMITTEE FOR BOYS HOSTELS
2	<b>Co-curricular Activity, extension, field based ( Career counselling, Study visits, students seminars, cultural, sports, NCC, NSS, community services</b>	<b>Co-curricular Activity, Study visits, students seminars, cultural, sports.</b>
3	<b>Organising seminars, workshops, other University/College activities</b>	<b>Organising seminars</b> Organizing Committee member in One day International Webinar on natural Products Development in the Department of Food Technology Davangere University Shivagangotri Campus, Tholahunse Davangere-577007 held on: 31-5-2020.
4	<b>Conducting Minor or Major Research Projects</b>	DUSMYTR- GRANT SANCTION LETTER, No: DU/HRM/2020-21/6045. Davangere University, Davangere, Karnataka India 03-03-2021.

## Research Publications:

### a) International Journals

1.	<b>Santosh Kumar S. R.</b> , Krishna V*, Venkatesh, Pradeepa K., Gnanesh U.A., Girish kumar K.2012. Indirect organogenesis from stem derived callus of <i>Caesalpinia bonduc</i> (L.) Roxb—a medicinal plant of Western ghats. <i>International Journal of Current Research</i> . 4(05) May, 022-025 (Impact factor – 1.125).
2.	<b>S. R. Santosh Kumar</b> , V Krishna*, Venkatesh, K Pradeepa, K. Girish Kumar, A. U. Gnanesh. “Direct and Indirect method of Plant regeneration from root explants of <i>Caesalpinia bonduc</i> (L.) Roxb –A threatened medicinal plant of Western Ghats”. <i>Indian Journal of Experimental Biology</i> . 2012. 50: 910-917. (Impact factor – 1.295).
3.	<b>Santosh kumar S.R.</b> , Krishna V*, Venkatesh, Pradeepa K., Girish Kumar K. 2012. Micropropagation of <i>Caesalpinia bonduc</i> Roxb., through high frequency shoot induction from the cotyledonary explants. <i>International Journal of Recent Scientific Research</i> . 3(12), 1050-1054, December 2012. (Impact Factor- 0.27).
4.	<b>S. R. Santosh Kumar</b> , V Krishna*, K Pradeepa, Venkatesh, K. Girish Kumar and A. U. Gnanesh. 2012. “Regeneration of plantlets from leaf callus of <i>Caesalpinia bonduc</i> - An endangered medicinal plant of the Western Ghats”. Volume 4, 2012. <i>Kuvempu University science journal</i> 2012, PP 83-90.
5.	<b>S. R. Santosh Kumar</b> , V. Krishna, Venkatesh , K. Pradeepa, & Sudhesh L Shastri. (2017). Evaluation of Wound Healing Property of <i>Caesalpinia Bonducella</i> Leaves, Stem Bark

	Extracts And Their Phytoconstituents (p.). <i>International Journal of Applied and Advanced Scientific Research (IJAASR)</i> Impact Factor: 5.255, ISSN (Online): 2456
6.	<b>Santosh Kumar S R</b> , Venkatesh, Krishna Venkatarangaiah, Pradeepa Krishnappa, Sudhesh L Shastri (2018), Hepatoprotective Properties of <i>Caesalpinia bonducella</i> against CCl4 induced in Rats <i>Bioscience Discovery</i> , 9(1): 44-52, Jan – 2018. (Impact Factor- 0.675).
7.	<b>S. R. Santosh Kumar</b> , V. Krishna, Venkatesh, K. Pradeepa & Sudhesh L Shastri (2017) .Anthelmintic Activity From Stem Bark Of <i>Caesalpinia Bonduc</i> (L) Roxb <i>International Journal of Computational Research and Development</i> . (Impact Factor- 5.015)., ISSN: 2456 - 3137 Volume 2, Issue 2, 2017 19
8.	<b>S R Santosh Kumar</b> , Sudhesh L Shastri, Venkatesh R, K Pradeepa, V Krishna (2019)Antibacterial potential of <i>Caesalpinia bonducella</i> extracts and their isolated phytoconstituents: <i>In vitro</i> and <i>in silico</i> analysis <i>In vitro</i> and <i>in silico</i> analysis. <i>J App Biol Biotech</i> . (Impact Factor- 0.85)
9.	Venkatesh, Krishna V, Girish Kumar K., Pradeepa K., <b>Santosh Kumar S. R</b> and Gnanesh A. U. High frequency regeneration from the leaf callus of <i>Musa paradisiaca</i> cv. 'Puttabale' (ab genome) in Malnad region of the Western ghats. <i>International Journal of Current Research</i> 2012. 4(05) May, 013-017. (Impact factor – 1.125).
10.	Venkatesh, V Krishna, K Girish Kumar, K Pradeepa, <b>S R Santosh Kumar</b> , R Shashi kumar. Biochemical markers assisted screening of <i>Fusarium</i> wilt resistant <i>Musa paradisiaca</i> cv. Puttabale micropropagated clones. <i>Indian Journal of Experimental Biology</i> , Vol. 51, July 2013, pp. 321 – 542. (Impact factor – 1.195).
11.	Venkatesh, Krishna Venkatarangaiah, Pradeepa Krishnappa, <b>Santosh Kumar S Rajanna</b> , Nagaraja Deeplanaik, Mohan Kumar S P and Santhosh Kumar J U. Identification and Characterization of panama wilt causing fungal isolates to <i>Musa paradisiaca</i> cv. Puttabale. <i>International Journal of Applied Sciences and Biotechnology</i> . (Impact factor – 1.4).
12.	Venkatesh, Krishna V, Girish Kumar K, Pradeepa K, <b>Santosh Kumar S R</b> . Antibacterial activity of ethanol extract of <i>Musa paradisiaca</i> cv. Puttabale and <i>Musa acuminata</i> cv. Grandnaine. <i>Asian J Pharm Clin Res</i> , Vol 6, Suppl 2, 2013, 169-172 (Impact Factor- 0.7).
13.	Venkatesh, V. Krishna, K. Pradeepa, <b>S. R.Santosh Kumar</b> , K. Girish Kumar, K. Vijay. Anthelmintic activity of <i>Musa paradisiaca</i> (L.) cv. Puttabale. <i>International Journal of Pharmaceutical Sciences and Drug Research</i> , 2013; 5(2): 67-69. (Impact Factor- 0.776).
14.	Venkatesh, Krishna Venkatarangaiah, Pradeepa Krishnappa, <b>Santosh Kumar Shimoga Rajanna</b> , Mir Haris, Vijay Keriappa. Pharmacological properties of corm ethanol extract of <i>Musa paradisiaca</i> (L.) cv. Puttabale. <i>World journal pharmacy and pharmaceutical Sciences</i> . (Vol 3, Issue 5: 1362-1383 (Impact Factor 2.786).
15.	Venkatesh Ramu , Krishna Venkatarangaiah , Pradeepa Krishnappa , <b>Santosh Kumar Shimoga Rajanna</b> , Nagaraja Deeplanaik, Anup Chandra Pal and Kukkundoora Ramachandra Kini (2016) Identification of Biomarkers for Resistance to <i>Fusarium oxysporum</i> f. sp. cubense Infection and in Silico Studies in <i>Musa paradisiaca</i> Cultivar Puttabale through Proteomic Approach . <i>Proteomes</i> , 4, 9; doi:10.3390/proteomes4010009 (Impact Factor 3.509).
16.	Pradeepa Krishnappa, V.Krishna, Venkatesh, <b>Santosh Kumar Shivamogga Rajanna</b> , and Rajesh Kashi Prakash Gupta. Antioxidant and prophylactic effects of <i>Delonix elata</i> L., stem bark extracts and flavonoid isolate quercetin against Carbon tetrachloride induced hepatotoxicity in rats. <i>BioMed Research International</i> , (Hepatology), Volume 2014, Article ID-507851, 1-14. (Impact Factor 2.880).

17.	Pradeepa K, Krishna V*, Harish B G, Venkatesh, <b>Santosh Kumar S R</b> and Girish Kumar K. Antibacterial activity of leaf extract of <i>Delonix elata</i> and molecular docking studies of Luteolin. <i>Journal of Biochemical Technology</i> . J Biochem Tech (2012) 3(5): S193-S197. (Impact factor – 0.964).
18.	Pradeepa K, Krishna V*, Venkatesh, <b>Santosh Kumar S R</b> , Girish Kumar K. Antinociceptive property of leaves extract of <i>Litsea glutinosa</i> . <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2013. 2012. 1-3. (Impact Factor- 0.7).
19.	Pradeepa K, Krishna V, Venkatesh, Girish Kumar K, <b>Santosh Kumar S R</b> , Joy H Hoskeri, Gnanesh A U. (2012). Antinociceptive activity of <i>delonix elata</i> leaf extract. <i>Asian Pacific Journal of Tropical Biomedicines</i> , S. 229-231. (Impact Factor- 1.52).
20.	Pradeepa Krishnappa, , Krishna Venkatarangaiah, , Venkatesha, , <b>Santosh Kumar Shimoga Rajanna</b> , Rebijith Kayattukandy Balan (2016) Wound healing activity of <i>Delonix elata</i> stem bark extract and its isolated constituent quercetin-3- rhamnopyranosyl-(1-6) glucopyranoside in rats . <i>Journal of Pharmaceutical Analysis</i> (Impact Factor- 4.47).
21.	Krishnappa, P., Venkatarangaiah, K., & <b>Shimoga Rajanna, S. R.</b> (2017). In vitro antioxidant and in vivo prophylactic effects of heptyl 3-(2-formylphenyl) propanoate isolated from <i>Delonix elata</i> L. against hepatotoxicity in CCl <sub>4</sub> intoxicated rats. <i>Indian Journal of Natural Products and Resources (IJNPR)[Formerly Natural Product Radiance (NPR)]</i> , 8(1), 47-53. (Impact Factor-0.152).
22.	A U Gnanesh, V Krishna, R Shashi Kumar, Venkatesh, <b>Santosh Kumar S R</b> , He Shashidhar Regeneration of plantlets from mature embryo calli of western ghats land race cultivar of rice, <i>oryza sativa</i> Lin. (2012). <i>Indian Journal of Experimental Biology</i> , 50 (2) 164-170. (Impact Factor-0.725).
23.	Sudhesh L. Shastri, V. Krishna, Ravi Kumar S, <b>Santosh Kumar S. R</b> , Venkatesh, Pradeepa K (2016) Phytochemical analysis, antibacterial property and molecular docking studies of <i>Mammea suriga</i> kosterm . <i>World Journal of Pharmaceutical Sciences</i> ISSN (Print): 2321-3310; ISSN : 2321-3086. (Impact Factor-8.084).
24.	Naveen kumar kudure jayanna, <b>santosh kumar shimoga rajanna</b> , sachin Somashekhar nayaka , ajith sheshagiri , ravi kumar shiva kumar And Thippeswamy basaiah (2019) Effect of biological pre-treatment with the selective Fungi aspergillus niger and phanerochaete Chrysosporium ncim 1197 on enzymatic hydrolysis of Areca nut (areca catechu l.) Husk for bioethanol production by yeasts and zymomonas mobilis ncim 2915. <i>Asian Jr. of Microbiol. Biotech. Env. Sc.</i> Vol. 21, No. (1) :: 179-188 © Global Science Publications ISSN-0972-3005.
25.	Chandan S, Umesha S, Shiva Prasad K, Balamurugan V, Chandrashekar S, <b>Santosh Kumar S R</b> , Ramith Ramu, Prithvi S Shirahatti, Asad Syed, Abdallah M. Elgorban(2020) Potential Antileptospiral Constituents from <i>Phyllanthus amarus</i> ,Pharmacogn. Mag. A multifaceted peer reviewed journal in the field of Pharmacognosy and Natural Products , <i>Pharmacognosy Magazine</i> Published by Wolters Kluwer – Medknow 21 <sup>st</sup> -April -2020(Impact Factor-1.31).
26.	Prabhakarareddy Anapalli Venkataravana, <b>Santosh Kumar S R</b> , Kuralayanapalya Puttahonnappa Suresh,, Sharanagouda S Patil, Uma Bharathi Indrabalan, R Sridevi, Veeresh Santhebennur Jayappa, Siddappa B,Kakkalameli, Chandrashekar Srinivasa(2021) Regulated Emergence of the African swine fever virus: B646L (p72) Gene Based Bayesian Coalescent Analysis <i>International Journal of Life Science and Pharma Research</i> , CC BY- NC-ND Licence ( <a href="https://creativecommons.org/licenses/by-nc-nd/4.0">https://creativecommons.org/licenses/by-nc-nd/4.0</a> Volume 11 , No 4, pp 1-8 (Impact Factor-7.97).

27.	Kuralayanapalya Puttahonnappa Suresh, Chandan Dharmashekar, Chandan Shivamallu, Chaitra N, Mallikarjun S Beelagi, Preethi R Bhat, Darshan Hebbuluse Veerabhadrapal, Pooja Anudhar G4, Snehalatha Basavaraju5, <b>Santosh Kumar S R</b> , Shiva Prasad Kollur, Ashwini Prasad, Chandrashekar Srinivasa, Sharanagouda S Patil (2021), Time Series Analysis Of COVID-19 Occurrence In Different States Of India: A Periodic Regression Analysis <i>Turkish Journal of Computer and Mathematics Education</i> Vol.12No.13, 3924-3930. (Impact Factor-0.33).
28.	<b>S R Santosh Kumar</b> , Chandrashekar Srinivasa, Chandan Shivamallu, Kollur Shiva Prasad, Sushma Pradeep, Asad Syed, Ali Bhakali, Amar Shankar, Sharanagouda S Patil, P Ashwini, D Chandan, R Triveni, Govindappa Melappa, V Krishna (2021), Callus induction and shoot regeneration from the immature flower bud of <i>Caesalpinia bonducella</i> and its antileptospiral potential by <i>in vitro</i> and <i>in silico</i> analysis, <i>Phcog Mag</i> 2021;17, Suppl S1:38-44 . (Impact Factor-1.32).
29.	Mallikarjun S Beelagi, <b>S R Santosh Kumar</b> , Uma Bharathi Indrabalan, Sharanagouda S Patil, Ashwini Prasad, KP Suresh, Shiva Prasad Kollur, Veeresh Santhebennur Jayappa, Siddappa B. Kakkalameli, Chandrashekar Srinivasa, Prabhakarareddy Anapalli Venkataravana & Chandan Shivamallu, (2021), Synonymous codon usage pattern among the S, M, and L segments in crimean-congo hemorrhagic fever virus , <i>Bioinformation</i> 17(4): 479-491 . pub med.
30.	Naveen kumar kudure jayanna, Venkatesh, Pradeepa Krishnappa, <b>santosh kumar shimoga rajanna</b> , (2021) , Phytochemical analysis and Antimicrobial studies of <i>Lantana camara</i> .L., <i>Advances in pharmacology and pharmacy</i> , Horizon Research Publishing Cooperation USA. Vol.10 , No.1, ISSN NO.2332-0044.

## b) National Journals

1.	<b>S. R. Santosh Kumar</b> , V Krishna*, K Pradeepa, Venkatesh, K. Girish Kumar and A. U. Gnanesh. 2012. "Regeneration of plantlets from leaf callus of <i>Caesalpinia bonduc</i> - An endangered medicinal plant of the Western Ghats". Volume 4, 2012. <i>Kuvempu University science journal</i> 2012, PP 83-90.
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## Conference/ Workshops/Trainings attended/organized:

### International/National Conferences:

*In vitro* regeneration from flower explant culture of *Caesalpinia bonduc* Roxb National Conference on Biotechnology and Society 2012. Department of Biotechnology, Kuvempu University, held on 19-20th April.

A *In vitro* callus induction and plantlet regeneration from root explants of *Caesalpinia bonduc* (L.) Roxb National Conference on Recent Advances In Health, Agriculture & Environmental Biotechnology .M. S Ramaiah Institute of Technology, Bangalore. held on 11-13th April, 2012

*In vitro* callus induction from the leaf explant of *Caesalpinia bonduc* (L.) Roxb” A National Conference on “Bioactive Compounds and Therapeutics” Oxford College of Science, held on 27-28th Feb. 2012

Antihelminthic activity from stem bark of *caesalpinia bonduc* Biotechnology in health care bench to bedside A UGC Sponsored National conference on 27-28<sup>th</sup> of September 2013 at dept. of biotechnology sahyadri science college shimogga

“Evaluation of diabetic wound healing activity of *Caesalpinia bonducella* (L.) Roxb”, stem bark extract and its isolated constituent “A International Conference on Bioactive Chemicals for Reproduction and Human Health” held on 26-28th Feb. 2015

Multiple shoot regeneration from stem callus of *caesalpinia bonduc* a vulnerable ethnomedicinal plant. World congress On biotechnology and Inter National conference 2011 at hyderabad on 21-23 march India.

Evaluation of anti-diabetic & wound healing potential of leaves and stem bark extracts of *caesalpinia bonducella*. L Frontier research in diversity and taxonomy of medicinal plants , DBT sponsored two days national seminar on 4<sup>th</sup> and 5<sup>th</sup> November 2016, Jnana Sahyadri, Kuvempu university, shankarghatta, Shimoga.

National conference on “Biotechnology and Society” NCBS 2012 Held during 19th to 20th april 2012 at Jnana Sahyadri ,Kuvempu university, shankarghatta, Shimoga ,Karnataka

Adventitious organogenesis from the cotyledonary explant of *caesalpinia bonduc*. dissecting the complexities of plant biotechnology in the post- genomic era Held during 21-september 2011 at dept. of biotechnology tumkur university tumkur.

Anti –diabetic potential of beta – sitosterol : an *in silico* analysis An two days International Symposium on developing drugs for tomorrow (challenges and opportunities) held on January 1<sup>st</sup> and 2<sup>nd</sup> 2018 at adichunchanagiri institute for molecular medicine BG nagar Karnataka india

Production , purification and characterization of peptide antibiotics from pseudomonas species Tenth Annual Conference of Karnataka Science and Technology Academy and REVA University held during 18<sup>th</sup> and 19<sup>th</sup> January 2018.

Workshop on “Research Methodology” (Under Planning, Monitoring and Evaluation Board) Jnana Sahyadri, Kuvempu University, held on 26th-28th January

National Workshop on “Usage Of Instruments For Nanotechnology Applications” Department of Nanoscience and Technology / Dept. of Industrial Chemistry. Kuvempu University, held on 25th April 2011.

One week National workshop on “field techniques and scientific approach in wildlife studies” Department of PG studies and research in wildlife and management and nature conservation foundation , bangalore, jnanasahyari shankarghatta, held on 13<sup>th</sup> march to 18<sup>th</sup> march 2017

Six days faculty development programme workshop on “technical workshop on applications of biotechnology in natural products development” under TEQIP Organized by department of biotechnology MSRIT, Bangalore and the Himalaya drug company , Bangalore held on 28<sup>th</sup> june to july 2<sup>nd</sup> 2016

Two days workshop on science academies lecture workshop on role of plant taxonomy in conservation of bio diversity Department of PG studies and research in applied botany , jnanasahyari shankarghatta, held on 10<sup>th</sup> and 11<sup>th</sup> November 2016

### ***Workshops/Seminars/Symposium Attended:***

Two days workshop on medicinal properties of medicinal plants in malnad region Sahyadri science college shimoga held on 18<sup>th</sup> and 19<sup>th</sup> December 2009

One day Workshop on tissue culture banana plants Plant tissue culture and production center kuvempu university jnanasahyari shankarghatta, held on 27<sup>th</sup> july 2005

One day workshop on environmental conservation and sharavathi status Sahyadri science college , department of botany and environmental science , shimoga held on 18<sup>th</sup> and 19<sup>th</sup> December 2009

Committee for popularization of science education Silver jubli year celebration , kuvempu university campus held on 16<sup>th</sup> to 19<sup>th</sup> February 2012

Karnataka science and technology academy Bangalore, science day celebration on biodiversity Sahyadri science college shimoga held on 25<sup>th</sup> feb 2010.

UGC sponsored one day national symposium on current trends in biotechnology research Department of biotechnology and bioinformatics kuvempu university jnanasahyari shankarghatta, held on 31<sup>th</sup> march 2016.

International Seminar on “ Medicinal Plants and Herbal Products” Held at Dept. of Botany, Sri Venkateswara University , Tirupati, A.P., India on 7th -9th march,2008.

National Seminar on "Biotechnology-current trends and future scenario Held at Kuvempu University on 10th and 11th March, 2008.

National Seminar on "Progress in biomedical research and its impact on human health Held at dept. of biochemistry, Kuvempu university, shankarghatta, on 2nd and 3rd april 2012.

National Seminar on “Nanotechnology-Past, Present & Future” Held at dept. of chemistry, Jnana Sahyadri, Kuvempu university, shankarghatta, Shimoga ,Karnataka on 4th april 2008

UGC sponsored national level symposium on emerging trends in biotechnology Department of biotechnology sahyadri science college , held on 20th and 21<sup>th</sup> march 2010

CPE sponsored state level symposium on treatise on contemporary molecular biology Department of biotechnology sahyadri science college , held 9<sup>th</sup> may 2011.

#### ***Training Programme :***

I have been selected to participate in the DST sponsored National Training Programme on “The issues & policies related to GMOs/GM crops in India” which will be organized at UAS, GKVK Campus, Bangalore from 04.02.2019 to 08.02.2019.

### **Conference/ Workshop/Webinar/ FDP Through Online Mode:**

1. Participation in National Virtual E-Quiz on Biology organized by Department of Biotechnology, Rajah Serfoji Govt. College, Thanjavur, Tamilnadu on 20-22, June 2020. RSGC-BTVQ-055.
2. Participated in Online National Webinar entitled “Smart Tools for Enhancing the Teaching Learning Skills” on 29th June, 2020 jointly organized by Department of Library. Arts and Commerce Night College, Nagpur K.Z.S. Science College, Bramhani (Kalmeshwar) Dist-Nagpur Natwarlal Jashbhai Patel Arts & Commerce College, Mohadi Dist. Bhandara Uttamchand Bagadiya Arts and Commerce College, Risod Dist – Washim. Certificate No. : AKNULIBLIB0714.
3. Sapthagiri college of Engineering Bengaluru-57 Department of biotechnology one day webinar on food industry prospect- post covid 2020 he participated in one day webinar on “food industry prospect- post covid 2020” on 25th may 2020.

4. Participated in One day Webinar on “Fungal Pigments: Scope and Applications in Food Industry” on 2nd June 2020 organized by School of Applied Sciences, Suresh Gyan Vihar University, Jaipur, Rajasthan.
5. Participation in the Quiz competition on the occasions of World Environment Day organized by P. G. Department of Botany, D.B.F. Dayanand College of Arts & Science, Solapur on 5th June 2020
6. Performed Excellent in online “COVID-19 Awareness Quiz” organized by Red Cross Unit, VSKU Post Graduate Centre, Nandihalli-Sandur, Ballari District, Karnataka. ID: XHHDMK-CE001787 Date: 4/29/2020.
7. Successfully completion of “COVID-19 Awareness Quiz” during 19-24 April 2020, Conducted by Department of Master of Computer Applications, Ramaiah Institute of Technology, Bangalore, India
8. Performed excellent in online “COVID-19 General Awareness Quiz” organized by Internal Quality Assurance Cell (IQAC), Davangere University, Davangere, Karnataka, India. Id THQAMG-CE000202 Date 4/26/2020.
9. Successfully completed Online Interdisciplinary “One Week Certificate Course on Apiculture” organized by Department of Zoology, Balwant College, Vita, Sangli (M.S.) , Affiliated to Shivaji University, Kolhapur.India from 13th July to 19th July, 2020.
10. Five Days Web conference on “Intellectual Property Rights and Innovations”. East West Institute of Technology Magadi Road, All India Council for Technical Education, New Delhi. Karnataka State Council for Science and Indian Institute of Science Campus, Bengaluru. Cell for IPR Promotion and Management (CIPAM), DPIIT Government of India, New Delhi. Date: 23rd to 27th June 2020.
11. Recognition of participation in the One day International Webinar Series on “Recent Trends in Life Sciences” organised by the Department of Zoology, G. T. N. Arts College (Autonomous), Dindigul on 03rd July 2020.
12. Recognition of participation in the One day International Webinar Series on “Recent Trends in Life Sciences” organised by the Department of Zoology, G. T. N. Arts College (Autonomous), Dindigul on 04th July 2020.
13. Recognition of participation in the One day International Webinar Series on “Recent Trends in Life Sciences” organised by the Department of Zoology, G. T. N. Arts College (Autonomous), Dindigul on 02nd July 2020.
14. Successfully completed the E-Quiz on "Medicinal Plants" Organized by Department of Botany, L.R.G. Government Arts College for Women, Tirupur – 641 604, Tamil nadu, India, on 10h July to 20th July 2020. Certificate ID : 21URBC-CE001382.

15. Participated in Online Quiz on “BASIC BOTANY” organised by Department of Botany, H.P.T. Arts & R.Y.K. Science College, Nashik. He has excellent performed the Basic Botany Quiz. Certificate No.: NWATRE-CE000904. Date: 10-7-2020.
16. Participated in Online One day National Faculty Development Program on “APPLICATION OF STATISTICS IN RESEARCH”, organized by the Department B.Com CS & Finance, SNMV College of Arts and Science, Coimbatore on 28.05.2020.
17. Participated in Online One day international webinar on “Writing proposals for funding agencies: Project design and project proposals” organized by Department of commerce , Rathinam college of arts and sciences, Coimbatore on 29<sup>th</sup> may 2020 .
18. Participated in Online Six Days Webinar on “Socialological and Cultural Implications of COVID-19” organised by Department of Sociology, Davangere University, Davangere, Karnataka, India. From 17<sup>th</sup> -22<sup>nd</sup> june 2020.
19. Participated in National Level Online- Quiz on “Research Methodology and Statistics”, Department of computer Science& Technology, Thonnakkal, Trivandrum. No: 3L1TKA-CE000104 dated: 16.07.2020.
20. Participated in National Level One day Webinar on “Teaching with Technology”. jointly organized by IQAC of Bhavan’s Hazarimal Somani College of Arts and Science & Jayaramdas Patel college of Commerce & Management Studies and Maharashtra College of Arts, science and Commerce. held on 30<sup>th</sup> may 2020.
21. Participated in National Level Webinar on Research trends and opportunities in cryptography organized by Department of computer science & engineering east west institute of Technology , Bengaluru on 20<sup>th</sup> June 2020.
22. Successfully completed course review through Online Quiz on “MICROBIAL BIOTECHNOLOGY”. Palanisamy College Of Arts (Affiliated to Bharathiar University, ) Erode Road, Perundurai-638052 organised by department of Biotechnology, ID:2IVRSM-CE000011.
23. Participated in one day international virtual conference on ‘Recent trends in Plant Genetics and Genomics’ Organized by: VIT School of Agricultural Innovations & Advanced Learning (VAIAL). held on 07-07-2020.
24. Participated in Five Days National Webinar On “ Scientific Tools to Boost Immunity and Mental Health” held during 6th to 10th July 2020 Samaj Shikshan Mandal’s Amruteshwar Arts, Commerce and Science College, Vinzar, Tal-Velhe, Dist-Pune 412213. ID: 43CTNS-CE000088.
25. Participation in One day International Webinar on “Nano-materials and Detection Technique of COVID-19” Organized By Department Of Physics Babu Shivnath Agrawal (P.G.) College, Mathura (U.P.) India for on 07 June, 2020. Certificate id: AR1VDY-CE000432.

26. Participation in One day National Webinar on “Toxicological studies –An essential part of drug Discovery.” Organized By Department Of Chemistry SNS College of Technology, Coimbatore. 22<sup>nd</sup> July 2020.
27. Successfully completed online E- Quiz on Ecology and Environment organized by the Department of Botany, Government Arts College, Coimbatore-18 On 18-7-2020 and has scored 72%. ID: SORDZI-CE000259.
28. Successfully participated in a Two Days “National Level - General Agriculture and Horticulture - Quiz Competition” in online mode organized by Team of Success - An Organization to Motivate, Virudhunagar, Tamil Nadu on during from 23<sup>rd</sup>-24<sup>th</sup> July 2020.Date - 24-7-2020.Certificate I’d - 0KVDDG-CE000286.
29. Successfully participated in a “National Level -“Beneficial roles of fungi” - Quiz Competition scored 70% organized by department of microbiology” S.R.N.M.N College Of Applied Sciences. Dated :23-07-2020, Certificate I’d –XUEDEL-CE000055.
30. Successfully participated in a “National Level -“General Botany ” - Quiz Competition scored 75% organized by department of Botany” Government arts college for women SALEM-636008 Tamilnadu India. Dated :09-07-2020.
31. Participated In Sttp On “An Emerging Paradigm Of Low Power Computational Vlsi Design “ B V Raju Institute Of Technology (Ugc Autonomous)Department Of Electronics And Communication Engineering From 16/06/2020 To 20/06/2020.Certificate Id: 2kjpd0-Ce000066 Date: 20-6-2020.
32. Participated in the Webinar series-1 on “Modern Trends in Chemistry and Biology” organized by the Department of Chemistry, Central University of Karnataka on July 13<sup>th</sup> , 2020. Kadaganchi, Aland Road, Gulbarga District-585367. E-certificate id:UHEPG0-CE000374.
33. Participated in the One day Live Webinar “ Nuclear Science and Technology” organised by Mechanical Engineering Department of R. N. G. Patel Institute of Technology - RNgPIT. Bardoli - Navsari road, Isroli (Tajpore), Bardoli. Date: 26-05-2020.
34. Participated in the World Milk Day Quiz - 2020 Organized by Department of Microbiology, Vivekanandha College of Arts and Sciences for Women, Tiruchengode-637205, Tamilnadu, India.16-7-2020 XDIYOI-CE004737.
35. Successfully completed the E- Quiz on “NANOSCIENCE” Organized by the Department of Nanoscience, Sarah Tucker College (Autonomous), Tirunelveli, Tamilnadu on 30-6-2020 with a passing score of 53%. JXVVAS-CE000012.
36. Successfully completed the National level E- Quiz on “Ethnobotany, Medicinal Plants and Traditional Systems of Medicine” with a passing score of 68%. Organized by the Department of Microbiology Shivamogga S.R.N.M. National College Of Applied Sciences and Department of Biotechnology oxford college of engineering college Bangalore karnataka. 3-7-2020 id:4QQDN4-CE000426.

37. Participated and successfully completed National Seven Days Webinar Series (NWS)-2020 on “Immunity and infection: Biochemical approaches to therapies” from 15<sup>th</sup> -21<sup>st</sup> June 2020. Department of Biochemistry Davangere University Shivagangothri, Davangere-577007, Karnataka, India. ID: 8BEFYC-CE000080.
38. Participated in the “Covid-19 Awareness” Online Quiz during May 2020, organized by IQAC and the Department of Botany Shri Jagadamba First Grade Arts & Science College Hittinahalli LT, Tq- Devara Hipparagi, Dist-Vijayapur. Karnataka.
39. Successfully participated in Five Days a National Level One week online faculty development programme, on “strategies for rolling the economy-Post COVID-19 Lockdown” organized by madanapalle institute of technology & science. dated :22<sup>nd</sup> to 26<sup>th</sup> June 2020.
40. Participated in Online National One Day Webinar entitled “Smart Tools for Enhancing the Research Skills” on 28<sup>th</sup> May, 2020 jointly organized by Department of Library Matru Sewa Sangh Institute of Social Work, Nagpur Bar. Sheshrao Wankhede Mahavidyalaya, Mohpa Dist-Nagpur Dr. Babasaheb Ambedkar College of Arts, Commerce & Science, Bramhapuri Yadaorao Poshattiwar Arts College, Talodhi (Balapur) Certificate No. : BDMYLIB0804.
41. Participated in Online Two days International Webinar entitled “Sports Nutrition & Immunity, the role of Dairy Foods and other Sports drinks-2020 ” held on 29<sup>th</sup> and 30<sup>th</sup> of June 2020. Organized by department of biochemistry and department of Food Processing and engineering St Aloysius College Mangalore Karnataka.
42. One day International Webinar on ”E-Education: Challenges& Solutions” organized by Mediacaps University Indore India on may 31<sup>st</sup> 2020.
43. Participated in Three Days International Webinar Conference on Biomaterials on Healthcare Application conducted by Department of Biotechnology, Karunya Institute of Technology and Sciences during May 28 - 30, 2020.
44. Participated in Two Days National Workshop on “News Writing &How to Hype Story” Department of Journalism and mass Communication, Davangere University Shivagangothri, Davangere-577007 on 30<sup>th</sup> may -31<sup>st</sup> may 2020.
45. Participated in the One day National Webinar on “Artificial intelligence: Applications in Life Sciences” Department of Food Technology, Davangere University Shivagangothri, Davangere-577007 on 15<sup>th</sup> may 2020.
46. Participated in the One day International Webinar on ”Food and Life Style Changes: East to West Preventive measures in COVID-19 Crisis” Department of Physiology, Government general degree college Kharagpur-II Paschim medinipur , West Bengal India on 29<sup>th</sup> June 2020.

47. Attending the 'One Week Live Webinar Series of International E-Conference in Plant Sciences' held at Department of Studies in Botany, Davangere University, Shivagangothri, Davangere-577007, Karnataka, India on 25th - 30th May 2020. DUBOTUNAM-2020/OSc-310.
48. Participated in Two days National Webinar "Empathy and Creativity" held during NCSEM - 2020 on 15<sup>th</sup> and 16<sup>th</sup> July 2020, hosted by the Department of Biotechnology Engineering, The Oxford College of Engineering , Bommanahalli Bangaluru.
49. Participated in One day webinar on 'Technology assisted antibody-mimetic discovery: Prospect in identifying SARS-COV2 hits', organized by the Dept. of Chemistry, School of Basic and Applied Sciences, Adamas University, dated 06.06.2020.
50. Participated in One day webinar on "food industry prospect- post COVID 2020" department of biotechnology sapthagiri college of engineering bengaluru-57on 25th may 2020.
51. Attended the Seven days Faculty Development Program on "ETHICAL PRACTICES IN ENGINEERING" from 28th May, 2020 to 03rd June, 2020 organized by Department of Mechanical Engineering, Sri Sairam Engineering College, Chennai, Tamil Nadu, 600044 Certificate No : SEC/ME/EPE031
52. Participated in One day International Multidisciplinary webinar on the theme The Corona Time Facts and Future Organized by Rajarshi Shahu College, Parbhani & Navodaya Maharashtra. Shri Jagdamba Vidya Prasarak Mandal's Rajarshi Shahu College, Parbhani , Maharashtra. On 4<sup>th</sup> June 2020.
53. Participated One day online workshop on "How to catalyze our potential in lockdown & Emotion-Focused Therapy." Davangere University Institute of Management Studies Given this on 23rd of May 2020.
54. Successfully participated in the webinar on "Recent Trends in Digital Education". Shri. Subramanian Adaikalam, Total Systems Pvt.Ltd Kanchi College of Education.Date: 19/06/2020. Certificate No: KCEW1127.
55. Participated in the One Day Live Webinar titled Addressing "Core Issues in Teaching Faculty Enrichment". As Part of the Don Bosco Higher Education India (DBHEI) Network Consortium Organized by Departments of Value Education and English St. Anthony's College, Shillong, Meghalaya India. held on 17th June, 2020. Certificate No: SAC/VE/2020/CONF-02.
56. Successfully completed a 4-Week Induction/**Orientation Programme** for "Faculty in Universities/Colleges/Institutes of Higher Education" Teaching Learning Centre Ramanujan College University of delhi, sponsored by MHRD, from June 04 - July 01, 2020.
57. Participated One Day International Webinar on "Different Cloud Platforms" Jointly Organized by Departments of Computer Science of St. Alphonsa College, Karinkal, Tamil Nadu, India. & St. Anthony's College, Shillong, Meghalaya, India. Participated in the International Webinar on Different Cloud Platforms held on 4th July, 2020. Certificate No: SAC/CS/2020/CONF-01.

58. Participated One Day National Webinar on “Algae, Viruses, Designer Microbes and Health care” Organized by Department of Botany, P C Jabin Science College, Autonomous, Hubballi Karnataka on 10<sup>th</sup> July, 2020.
59. Participated in Online One Day National Webinar entitled “Intellectual Property Rights : Innovations in Research” on 13th June, 2020 organized by Department of Sociology, IQAC and Department of Library Science. Dr. Babasaheb Ambedkar College of Arts, Commerce and Science, Bramhapuri Certificate No. : DBACLIB0921
60. Participated in Online One Day National Webinar Series on “ Knowledge Generation in Education during COVID-19 Pandemic-Qualitative Research” Bombay Teachers Training College HSNC University, Mumbai. held on 1<sup>st</sup> June to 6<sup>th</sup> June, 2020. Certificate No:W3QR-00936.
61. Participated in Two days Online Faculty Development Webinar – “Analytics Series” organized by the Department of Computer Science, A.V.P. College of Arts and Science (Affiliated to Bharathiar University, Coimbatore -46) 4-Chettipalayam, Thirumurgan Poondi, Tirupur - 641 652 on 27th and 28th May 2020.
62. Participated in One Day International Webinar on “Genetically Modified Cotton Plants produce Tocotrienols: Important vitamin E components for added Nutritional and Medicinal Value” organized by IQAC and Department of Botany KLE Society Belagavi Karnataka India on 30<sup>th</sup> June 2020.
63. Participated in Online Two Days International seminar on Art of Writing Scientific Articles, Funding Proposal and Patent, Chennai Institute of Technology on 26<sup>th</sup> and 27<sup>th</sup> May, 2020.
64. Participated in Five Days Faculty Development Programme on “Post COVID 19 Challenges in Science & Technology ” organized by department of chemistry , Jain Faculty of Engineering and Technology held on 15<sup>th</sup> to 19<sup>th</sup> June 2020.
65. Participated in Two Days the Virtual Conference titled Education in the 21<sup>st</sup> Century: Adapting to a Changing World, (E21ACW) Virtual Conference Organized by Department of Education St. Anthony’s College, Shillong, Meghalaya India. on 01 – 02 June, 2020.
66. Participated in One Day the ”How the COVID-19 will Effect Children’s Mental Health”, organized by Department of Computer sciences, in collaboration with IQAC Government ,SPMR. College of Commerce, Jammu on 1<sup>st</sup> June 2020.
67. Organizing Committee member in One day International Webinar on natural Products Development in the Department of Food Technology Davangere University Shivagangotri Campus, Tholahunse Davangere-577007 held on: 31-5-2020.

Personal Details		
<b>Gender</b>	MALE	
<b>Date of Birth</b>	09-04-1985	
<b>Contact details</b>	<b>Address for Communication</b>	<b>Permanent address</b>
	<b>Dr. SANTOSH KUMAR S. R.</b> ASSISTANT PROFESSOR DEPARTMENT OF FOOD TECHNOLOGY, DAVANGERE UNIVERSITY, DAVANGERE -577 007	<b>SANTOSH KUMAR S R.</b> S/O C. S. RAJANNA, #.3 , LAKSHMINARASIMHA SWAMY NEVASA, RAJANNA LAY OUT, NEAR DOORAVANE BADAVANAE, VINOBANAGAR, SHIMOGA-577204
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