

## FACULTY PROFILE

**Dr. VADLAPUDI KUMAR**
*Professor*
*Department of Biochemistry*
*Qualification*

:M.Sc., B.Ed., M.Phil., Ph.D.

*Areas of Specialization*

: Plant Biochemistry and Natural Products

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**Vision**

&lt;&lt;State your vision in 30-50 words &gt;&gt;

**Educational Qualifications**

Sl. No.	Degree	Specialization/ Subjects	University	Year of Award/ Passing
1	PhD.,	BIOCHEMISTRY	Sri Krishnadevaraya University Anantapuramu, Andhra Pradesh.	2004
2	M.Phil.,	BIOCHEMISTRY	Sri Krishnadevaraya University Anantapuramu, Andhra Pradesh.	1998
3	NET/SLET	NET	Joint CSIR-UGC/NET	1995
4	PG	BIOCHEMISTRY	Sri Krishnadevaraya University Anantapuramu, Andhra Pradesh.	1995
5	UG (B.Ed.)	NATURAL SCIENCES	Sri Venkateswara University Tirupati, Andhra Pradesh.	1993
6	UG (B.Sc.)	CHEMISTRY BOTANY ZOOLOGY	Sri Venkateswara University Tirupati, Andhra Pradesh.	1992

**Professional Details(Academic/Research Experience)**

Sl. No.	Designation	Institution/University	UG/PG	From	To
1	Lecturer	Kuvempu University	P.G.	04-06-1998	03-06-2003
2	Sr. Scale Lecturer	Kuvempu University	P.G.	04-06-2003	03-06-2007
3	Reader	Kuvempu University	P.G.	04-06-2007	17-08-2009
4	Reader	Davangere University	P.G.	18-08-2009	03-06-2010

5	Associate Professor	Davangere University	P.G.	04-06-2010	03-06-2013
6	Professor	Davangere University	P.G.	04-06-2013	Till-date

#### Areas of Research Interest:

1.	Plant Biochemistry
2.	Natural Products

#### Academic/Administrative responsibilities:

1.	<b>Worked as,</b> <ul style="list-style-type: none"> <li>Chairman, Department of Biochemistry, Davangere University; 2014 to 2016</li> <li>Chairman, Department of Biochemistry, Davangere University; 2018 January to Till-date</li> </ul>
2.	<b>Worked as,</b> <ul style="list-style-type: none"> <li>Chairman, Board of Examiners of Biochemistry, Kuvempu University; 2006-07</li> <li>Chairman, Board of Examiners of Biochemistry, Davangere University; 2012-13</li> <li>Chairman, Board of Examiners of Biochemistry, Davangere University; 2015-16</li> <li>Chairman, Board of Examiners of Biochemistry, Davangere University; 2017-18</li> <li>Chairman, Board of Examiners of Biochemistry, Davangere University; 2019-20</li> </ul>
3.	<b>Peer-Reviewer for</b> <ul style="list-style-type: none"> <li><b>Elsevier Publishers Journals:</b> Industrial Crops and Products, Rice Science.</li> <li><b>Springer-Nature Publishers Journals:</b> Plant Cell Tissue and Organ Culture, 3-Biotech, Acta Physiologica Plantarum.</li> <li><b>Taylor &amp; Francis Publishers Journals:</b> Natural Products Research, Pharmaceutical Biology.</li> <li><b>Plos Publishers Journals:</b> PlosOne.</li> </ul>
4.	<b>Any coordinator/in-charge/responsibilities held:</b> <ul style="list-style-type: none"> <li><b>2013 to 2018:</b> Coordinator, Department of Computer Science, Davangere University.</li> <li><b>2013 to 2019:</b> Coordinator, Department of Physics, Davangere University.</li> <li><b>2014 to 2017:</b> Coordinator, <b>NSS Programme</b>, Davangere University.</li> <li><b>2015 to Till-date:</b> Coordinator, <b>ICT Cell</b>, Davangere University.</li> <li><b>2018 to Till-date:</b> Nodal Officer, <b>RUSA programme</b>, Davangere University.</li> <li><b>2018 to Till-date:</b> Nodal Officer, <b>SAKALA</b>, Davangere University.</li> </ul>
5.	<b>Visiting Faculty Member :</b> <ul style="list-style-type: none"> <li><b>2001-2002:</b> Department of Biotechnology, Sri Krishnadevaraya University, Anantapuramu</li> </ul>

	<ul style="list-style-type: none"> <li>• <b>2005-2007:</b> Department of Biochemistry, Tumkur University, Tumakuru.</li> <li>• <b>2005-2009:</b> Department of Biochemistry, Kuvempu University, Shankaraghatta.</li> <li>• <b>2017-2018:</b> Department of Microbiology, Kuvempu University, Shankaraghatta.</li> </ul>
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Research Projects:					
Sl. No.	Title of the Project	Funding Agency	Project Budget	Period	Status
1.	Studies on Anti-oxidant Response in three Safflower ( <i>Carthamus tinctorius</i> L.) cultivars during Salt-stress	Kuvempu University	Rs.0.16 lakhs	2001	2001
2.	Evaluation of antidiabetic potential of certain phytochemicals on experimental Diabetes mellitus – A multiple therapeutic approach	University Grants Commission, Government of India.	Rs.7.37 lakhs	2007	2010
3.	Studies on Radio-protective effect of phytochemicals of <i>Anisomeles indica</i> Kuntze	DAE-BRNS, Mumbai, Government of India.	Rs.17.37 lakhs	2009	2012
4.	Studies on Over Production of Gymnemic acids by Molecular Cloning and Functional Expression of Triterpenoid Synthase Genes of <i>Gymnema sylvestre</i> R.Br	Department of Biotechnology, Government of India.	Rs.45.66 lakhs	2011	2014
5.	Over Production of Furanocoumarins in Cell and Tissue Cultures of <i>Psoralea corylifolia</i> Linn. – Purification and Characterization of Psoralen Synthase	University Grants Commission, Government of India.	Rs.14.158 lakhs	2012	2015
6.	Molecular Cloning and Functional Expression of Triterpenoid Specific Glycosyl Transferase Genes of <i>Gymnema</i>	Department of Science and Technology, Government of	Rs.12.00 lakhs	2013	2015

	<i>sylvestre</i> R.Br.	India.			
Research Publications:					
a) International Journals					
1.	Hari Gajula, <b>Vadlapudi Kumar</b> , Poornima D. Vijendra, Rajashekar J., TorankumarSannabommaji, GiridharaBasappa (2018). A combination of elicitor and precursor enhances psoralen production in <i>Psoralea corylifolia</i> Linn. suspension cultures. <b>Industrial Crops and Products</b> 124: 685–691. IF: 4.191				
2.	PoornimaD.Vijendra,Sathisha G. Jayanna, <b>Vadlapudi Kumar</b> , Hari Gajula, Rajashekar J, TorankumarSannabommaji, GiridharaBasappa and Anuradha C.M. (2017). Rapid <i>in vitro</i> propagation of <i>Leucasaspera</i> Spreng. A potential multipurpose Indian medicinal herb. <b>Industrial Crops and Products</b> 107:281-287· IF: 4.191				
3.	HirenallurKumarappa Suma, <b>Vadlapudi Kumar</b> , UmapathySenthilkumar, Patel Mohana Kumara, GudasalamaniRavikanth, ThankayyanRetnabaiSanthoshkumar, Ramanan Uma Shaanker (2017). Spatial and temporal distribution pattern of camptothecin in seeds and fruits of <i>Pyrenacanthavolubilis</i> Hook. (Icacinaeae) during different fruit developmental stages. <b>Current Science</b> 112 (5): 1034-1038. IF: 0.756				
4.	GiridharaBasappa, <b>Vadlapudi Kumar</b> , Sarojini BK, Poornima DV, Hari Gajula, TorankumarSannabommaji and Rajashekar J (2016). Toxicity evaluation of <i>Anisomeles indica</i> Kuntze leaf flavonoid fraction. <b>J Pharmacogn Nat Prod</b> 2:3 DOI: 10.4172/2472-0992.1000122.				
5.	HulikalShivashankara Santosh Kumar and <b>Vadlapudi Kumar</b> (2016). A Comparison of Rosetta Stones in Adapter Protein Families. <b>Bioinformation</b> 12(5): 285-292.				
6.	HulikalShivashankara Santosh Kumar, <b>Vadlapudi Kumar</b> , SharathPattar and Sandeep Telkar (2016). Towards the construction of an interacome for Human WD40 protein family. <b>Bioinformation</b> 12(2): 54-61.				
7.	Poornima D. Vijendra, KavithaM. Huchappa, RoopaLingappa, GiridharaBasappa, Sathisha G. Jayanna and <b>Vadlapudi Kumar</b> (2016). Physiological and Biochemical Changes in Moth Bean ( <i>Vignaaconitifolia</i> L.) under Cadmium Stress. <b>Journal of Botany</b> , Article ID 6403938, 13 pages <a href="http://dx.doi.org/10.1155/2016/6403938">http://dx.doi.org/10.1155/2016/6403938</a> .				
8.	Raghavendra S, Aditya Rao SJ, <b>Vadlapudi Kumar</b> and Ramesh CK (2015). Multiple ligand simultaneous docking (MLSD): A novel approach to study the effect of inhibitors on substrate binding to PPO. <b>Computational Biology and Chemistry</b> 59: 81-86. IF: 1.581				
9.	GiridharaBasappa, <b>Vadlapudi Kumar</b> , Sarojini BK, Poornima DV, Hari Gajula, Toran Kumar Sannabommaji and Rajashekar J (2015). Chemical composition, biological				

	properties of <i>Anisomeles indica</i> Kuntze essential oil. <b>Industrial Crops and Products 77: 89-96. IF: 4.191</b>
10.	HirenallurKumarappa Suma, <b>Vadlapudi Kumar</b> , UmapathySenthilkumar, Patel Mohana Kumara, GudasalamaniRavikanth, ThankayyanRetnabaiSanthoshkumar and Ramanan Uma Shaanker (2014). <i>Pyrenacanthavolubilis</i> Wight, (Icacinaceae) a rich source of camptothecine and its derivatives, from the Coromandel Coast forests of India. <b>Fitoterapia 97: 105-110. IF: 2.431</b>
11.	<b>Vadlapudi Kumar</b> , Chethan S Kumar, Gajula Hari, Nayana K Venugopal, Poornima D Vijendra and GiridharaBasappa (2013). Homology modeling and docking studies on oxidosqualenecyclases associated with primary and secondary metabolism of <i>Centellaasiatica</i> . <b>Springer Plus2: 189.</b>
12.	RaghavendraSathyanarayana, <b>Vadlapudi Kumar</b> , ChapeyilKumaran Ramesh, MahadevappaParmesha, MahaboobHabeebullaMoinuddin Khan (2012). A preliminary attempt for efficient genetic transformation and regeneration of legume <i>Mucunapruriens</i> L. mediated by <i>Agrobacterium tumefaciens</i> . <b>Turkish Journal of Biology 36: 285-292. IF-0.662</b>
13.	Jairam Prasad Kushwaha, Sridhar N, Umalatha, <b>Vadlapudi Kumar</b> , HemaPrasanth KP, Raghunath MR and Eknath AE (2012). Partial Purification and Characterization of Amylases from the Digestive tract of the Indian Medium Carp <i>Labeofimbriatus</i> (Bloch, 1797). <b>The Israeli Journal of Aquaculture – Bamidgeh. Manuscript No. IJA_64.2012.686.</b>
14.	Veerashree V, CM Anuradha and <b>Vadlapudi Kumar</b> (2012). Elicitor-enhanced production of gymnemic acid in cell suspension cultures of <i>Gymnema sylvestre</i> R. Br. <b>Plant Cell Tissue and Organ Culture 108:27–35. IF-2.200</b>
15.	SathyanarayanaRaghavendra, ChapeylKumaran Ramesh, <b>Vadlapudi Kumar</b> and MahaboobHabeebullaMoinuddin Khan (2011). Elicitors and Precursor Induced Effect on L-Dopa Production in Suspension Cultures of <i>Mucunapruriens</i> L. <b>Frontiers in Life Science 5(3-4): 127-133. IF-1.622</b>
16.	Raghavendra A, Hemaprasanth KP, Ravinder Singh, Sridhar N, <b>Vadlapudi Kumar</b> and Raghunath MR (2011). Ammonium chloride dip bath treatment as a quarantine measure to prevent spread of <i>Lernaeacyprinacea</i> infection during transfer of fish from affected ponds. <b>Journal of Fish Diseases 36: 243-247. IF-1.988</b>
17.	Raghavendra S, <b>Kumar V</b> , Moinuddin Khan MH and Ramesh CK (2011). Enhanced production of L-DOPA in cell cultures of <i>Mucunapruriens</i> L. and <i>Mucunaprurita</i> H.

	<b>Natural Product Research 26(9): 792-801. IF-1.99</b>
18.	Raghavendra S, <b>Vadlapudi Kumar</b> , CK Ramesh, M Parmesha and M H Moinuddin Khan (2011). Characterization of Polyphenol oxidase in in vitro regenerated two cultivars of <i>Mucuna: Mucunapruriens</i> L. and <i>Mucunaprurita</i> H. <b>Turkish Journal of Biology 35: 575-583. IF-0.662</b>
19.	Raghavendra H Lakshmanashetty, Vijayananda B Nagaraj, Madhumathi G Hiremath and <b>Vadlapudi Kumar</b> (2010). <b><i>In vitro</i> antioxidant activity of VitexnegundoL. leaf extracts. Chiang Mai Journal of Science 37(3): 489-497. IF-0.342</b>
20.	Vinod Kumar Sanna, Manu Jaggi, <b>Vadlapudi Kumar</b> and Anand C Burman (2010). Evaluation of 5-hydroxy-2,3-diaryl (substituted)-cyclopent-en-1ones as <i>cis</i> -restricted analogues of combretastatin A-4 as novel anti- angiogenic and anticancer agents. <b>Investigational New Drugs 28 (4): 363-380. IF-2.663</b>
21.	Ravikumar YS, Mahadevan KM, Kumaraswamy MN, Vaidya VP, Manjunatha H, <b>Kumar V</b> and Satyanarayana ND (2008). Cytotoxic and Genotoxic Evaluation of alcoholic extract of <i>Polyalthiacerasoides</i> (Roxb.) Bedd. <b>Environmental Toxicology and Pharmacology 26: 142–146. IF-3.061</b>
22.	Kumar V, Anuradha CM and Suresh Kumar Chitta (1998). <i>In vitro</i> plant regeneration of fig ( <i>Ficus carica</i> L.cv. gular) using apical buds from mature trees. <b>Plant Cell Reports 17: 717-720. IF-3.499</b>
23.	Suresh Kumar Chitta, Anuradha CM, <b>Kumar Vand</b> Ramakrishna Rao P (1997). Mobilisation of food reserves in cotyledons of germinating safflower seeds. <b>Indian Journal of Experimental Biology 35: 1370-1372. IF-0.934.</b>
<b>b) National Journals</b>	
1.	Manjunatha L., <b>Vadlapudi Kumar</b> , TorankumarSannabommaji, Poornima DV, Rajashekar J and Hari Gajula (2019). <i>In vitro</i> antioxidant and antidiabetic properties of <i>Eryngium foetidum</i> Linn. <b>Biomedicine 39(4) (Accepted).</b>
2.	TorankumarSannabommaji, <b>Vadlapudi Kumar</b> , Poornima DV, GiridharaBasappa, Gajula Hari and Rajashekar J (2019). Exploration of Antibacterial Properties of <i>Gnidia glauca</i> (Fresen) Glig. Leaf Saponin Fraction. <b>International Journal of Pharmacognsoy and Phytochemical Research. (Accepted).</b>
3.	Manjunatha L., <b>Vadlapudi Kumar</b> , TorankumarSannabommaji, Poornima DV, Rajashekar J and Hari Gajula (2019). Influence of Nickel Treatment on Antioxidant Responses and Secondary Metabolite Production in <i>Eryngiumfoetidum</i> Linn. <b>Ind. J. Pure App. Biosci. 7(5): 314-326.</b>

4.	Manjunatha L., <b>Vadlapudi Kumar</b> , TorankumarSannabommaji, Poornima DV, Rajashekar J and Hari Gajula (2019). Influence of Nickel Treatment on Antioxidant Responses and Secondary Metabolite Production in <i>Eryngiumfoetidum</i> Linn. <b>Ind. J. Pure App. Biosci. 7(5): 314-326.</b>
5.	Hari Gajula, <b>Vadlapudi Kumar</b> , Poornima D Vijendra, Rajashekar J, TorankumarSannabommaji, GiridharaBasappa (2018). Distribution of psoralen in different organs of <i>Psoralea corylifolia</i> L. <b>Journal of Pharmacognosy and Phytochemistry 7(6): 300-302. NAAS Score: 5.21.</b>
6.	Veerashree V. and <b>Vadlapudi Kumar</b> (2018). <i>In vitro</i> plant regeneration in <i>Gymnema sylvestre</i> R.Br.: Influence of season and subculture induced oxidative stress. <b>International Journal of Pure &amp; Applied Bioscience 6(4): 276-290; NAAS Score: 4.74.</b>
7.	Raghavendra S, Satish D, Dileep Kumar Masuthi, Padmanabha K, Ramesh CK and <b>Vadlapudi Kumar</b> (2018). Differential effects of elicitor and precursor feeding on the enzyme tyrosine hydroxylase and their influence on the production of L- Dopa in the cell suspension cultures of <i>Mucunaprurita</i> H. <b>Journal of Pharmacognosy and Phytochemistry 7(4): 179-185. NAAS Score: 5.21.</b>
8.	Poornima D. Vijendra, Sathisha G. Jayanna, <b>Vadlapudi Kumar</b> , Hari Gajula, Rajashekar J, TorankumarSannabommaji and GiridharaBasappa (2017). Antioxidant status during <i>in vitro</i> plant regeneration in <i>Leucasaspera</i> Spreng. <b>International Journal of Pure &amp; Applied Bioscience 5 (5): 1529-1537.</b>
9.	DayaluNaik SL, <b>Vadlapudi Kumar</b> , Rama Joshi and Alok C Bharti (2016). HPV inflammation mediate IL-6 through STAT3 signalling pathway in different grades of cervicical cancer. <b>Journal of Cancer Research and Molecular Medicine2(1): 1-5.</b>
10.	DayaluNaik S.L, <b>Vadlapudi Kumar</b> , Rama Joshi and Alok C Bharti (2016). Relation between IFN- $\gamma$ , STAT3 and pSTAT3 gene expression in different grader of cervical cancer. <b>International Journal of Research in Medical and Basic Sciences2(9): 1-11.</b>
11.	Raghavendra S, Ramesh CK, <b>Kumar V</b> , Khan MHM and Harish BS (2015). Biochemical changes during plantlet regeneration in two accession of <i>Mucunapruriens</i> . <b>J HortlSci10(1): 1-7.</b>
12.	GiridharaBasappa, <b>Vadlapudi Kumar</b> , Sarojini BK, Poornima DV, Hari Gajula, TorankumarSannabommaji and Rajashekar J (2015). Antidiabetic activity of <i>Anisomeles indica</i> Kuntze leaf flavonoid fraction in normal and alloxan induced diabetic mice. <b>International Journal of Advanced Research 3(11): 921-927.</b>
13.	Anil Kumar HS, <b>Vadlapudi Kumar</b> and Vidyavathi N (2014). Isolation, purification and



	effect of modulators on $\alpha$ -galactosidase from different bacterial isolates. <b>Int J Life SciBt&amp; Pharm Res 3(2)</b> : 94-101.
14.	Anil Kumar HS, <b>Vadlapudi Kumar</b> and Vidyavathi N (2014). Optimization of fermentation parameters and enzyme immobilization of alpha-galactosidase isolated from different bacteria. <b>Int J CurrMicrobiol App Sci 3(2)</b> : 154-167. <b>NAAS Score: 5.38</b> .
15.	Ramachandra R, <b>Kumar V</b> , RamanjiniGowada PH, Pramila CK and Ganapathy KN (2014). Biolistic mediated transformation and transient $\beta$ -1-3 glucuronidase expression in indica rice variety Mangala. <b>Bioinfolet 11(1A)</b> : 109-112.
16.	Ramachandra R, <b>Kumar V</b> , RamanjiniGowada PH, Pramila CK and Venkatesha SC (2013). Studies on High Frequency Regeneration in Local Indica Rice VaritiesMangala and MandyaVijaya. <b>Mysore Journal of Agricultural Sciences 47 (3)</b> : 502-509.
17.	Raghavendra A, Hemaprasanth KP, Ravinder Singh, Sridhar N, <b>Vadlapudi Kumar</b> and Raghunath MR (2012). Blood biochemical variations in <i>Labeofimbriantus</i> infected with <i>Lerrnaeacyprinacea</i> and effect of medication with doramectin. <b>The Indian Veterinary Journal (August, 2012 issue)</b> . <b>Manuscript No. 712/11</b> .
18.	Muraleedhara Reddy T, Suresh Kumar C and <b>Kumar V</b> (2010). Efficient <i>in vitro</i> plant regeneration in Rue ( <i>Rutagraveolens</i> L.) <b>TheBioscan 4(4)</b> : 703-706.
19.	<b>Kumar V</b> , Poornima DV, Anuradha CM, and Suresh Kumar Chitta (2008) Biochemical changes during callus regeneration in <i>Ficus carica</i> L. (c.v. Gular). <b>Journal of Ecobiology 22(2)</b> : 183-188.
20.	Raghavendra S, <b>Kumar V</b> , Moinuddin Khan MH and Ramesh CK (2007). Isolation, estimation of L-Dopa in two species of <i>Mucuna</i> : <i>Mucunapruriens</i> and <i>Mucunaprurita</i> . <b>Biochemistry an Indian Journal (BCAIJ) 1(4)</b> : 165-167.

#### c) International Conference

1.	" <b>Induction of multiple shoots and plantlet regeneration in <i>Ficus carica</i> L. through plant tissue culture techniques</b> " at Platinum Jubilee (1921-1996) of the Department of Biochemistry, Indian Institute of Science and the 65th Annual Meeting of Society of Biological Chemists (India), held at I.I.Sc., Bangalore, India from 19 <sup>th</sup> to 23rd November, 1996.
2.	" <b>Effect of different plant growth regulators on <i>in vitro</i> morphogenesis in <i>Carthamustinctorius</i> L. (cv.Manjeera)</b> " at the 68 <sup>th</sup> Annual Meeting of the Society of Biological Chemists (India) and Symposium on Current Trends in Biology, at the Indian Institute of Science, Bangalore, India, from 27 <sup>th</sup> – 29 <sup>th</sup> December, 1999
3.	"Progress in Drug Discovery and Developmental Biology ", organized by Astra Zeneca



	International, Bangalore, at Indian Institute of Science, Bangalore, from 17 <sup>th</sup> January to 19 <sup>th</sup> January, 2001.
4.	<b>70<sup>th</sup> Annual Meeting of Society of Biological Chemists (India)</b> , organized by Department of Biochemistry, Osmania University, Hyderabad, 27 <sup>th</sup> 29 <sup>th</sup> , December, 2001.
d) National Conference	
1.	<b>“In vitro and In vivo Evaluation of Anti cancer and Anti-viral Drugs”</b> at UGC-Sponsored National Conference on “Biotechnological Prospecting in Herbal Anti-Viral and Anti-Cancerous Drug Development” Organized by Department of PG Studies & Research in Biotechnology, Sri DharmasthalaManjunatheshwara College (Autonomous), Ujire, 17 <sup>th</sup> March, 2012.
2.	<b>“Saponins – The Natural Products with Therapeutic Potential”</b> at UGC-sponsored National Seminar on “Natural vs. Synthetic Drugs”, organized by Department of Biotechnology, St. Aloysius College, Mangaluru, 30 <sup>th</sup> September, 2014.
3.	<b>“Infectious Diseases Emergenceand Re-emergence”</b> at UGC-sponsored National Seminar on Anthropogenic Environmental Change and Emergence of Infectious Diseases in Wild life, organized by Department of Zoology, SML Government Degree College, Yemmiganuru (A.P.), 23 <sup>rd</sup> February, 2016.
4.	<b>“Plant Secondary Metabolites: Therapeutic Potential and their Over Production”</b> at National Sympoisum on Metabolic Regulation, organized by Department of Studies in Biochemistry and Molecular Biology, University of Mysore, Mysuru, 23 <sup>rd</sup> January, 2018.
5.	
Book Published / Book Chapters Published:	
➤ <b>Title</b> : Environmental Pollution and Management of Wastewaters by Microbial Techniques. ➤ <b>Topic</b> :Detoxification of Organophosphorus Pesticides by Free and Immobilised <i>Flavobacteriumbalustinum</i> . ➤ <b>Authors</b> : Suresh Kumar Chitta, Anuradha CM, Kumar V, and Dayananda S ➤ <b>Publisher</b> : ABD Publishers, Jaipur, India	
➤ <b>Title</b> : Biodiversity Monitoring and Utilisation ➤ <b>Topic</b> :Biodiversity and Bioinformatics ➤ <b>Authors</b> : Santhosh Kumar and Vadlapudi K ➤ <b>Publisher</b> : Pointer Publishers, Jaipur, India	

➤ <b>Title</b>	: <b>Methods in Molecular Biology Series, Protocols for In vitro Cultures and Secondary Metabolite Analysis of Aromatic and Medicinal Plants.</b>
➤ <b>Topic</b>	: <b>Hairy Root Cultures of <i>Gymnema sylvestre</i> R. Br. to produce gymnemic acid.</b>
➤ <b>Authors</b>	: <b>Rajashekar V, Vadlapudi Kumar, Veerashree V, Poornima DV, Torankumar Sannabommaji, Hari Gajula and Giridhara B</b>
➤ <b>Publisher</b>	: <b>Springer-Humana Publishers, International</b>
➤ <b>Title</b>	: <b>Anticancer Plants: Natural Products and Biotechnological Implements</b>
➤ <b>Topic</b>	: <b>An alternative approach for anticancer compounds production through plant tissue culture techniques.</b>
➤ <b>Authors</b>	: <b>Hari Gajula, Vadlapudi Kumar, DV Poornima, J Rajashekar, SS Torankumar, Giridhara Basappa and TU Santhosh</b>
➤ <b>Publisher</b>	: <b>Springer Publishers.</b>
➤ <b>Title</b>	: <b>Biotechnological Approaches for Medicinal and Aromatic Plants Conservation, Genetic Improvement and Utilization</b>
➤ <b>Topic</b>	: <b>Phytochemical Analysis with special reference to leaf saponins in <i>Gnidia glauca</i> (Fresen.) Gilg.</b>
➤ <b>Authors</b>	: <b>Torankumar Sannabommaji, Vadlapudi Kumar, D. V. Poornima, Hari Gajula, J. Rajashekar, T. Manjunatha and Giridhara Basappa</b>
➤ <b>Publisher</b>	: <b>Springer Nature Singapore Pte Ltd.</b>
➤ <b>Title</b>	: <b>Recent Progress in Medicinal Plants: Metabolic Disorder -Diabetes, Part I, Volume: 46</b>
➤ <b>Topic</b>	: <b>Diabetes Mellitus</b>
➤ <b>Authors</b>	: <b>Raghavendra HL and Vadlapudi Kumar</b>
➤ <b>Publisher</b>	: <b>Studium Press LLC (USA)</b>
➤ <b>Title</b>	: <b>Antidiabetic Activity of <i>Gymnema sylvestris</i> R. Br.</b>
➤ <b>Topic</b>	: <b>Recent Progress in Medicinal Plants: Metabolic Disorder -Diabetes, Part II, Volume: 46</b>
➤ <b>Authors</b>	: <b>Raghavendra HL and Vadlapudi Kumar</b>
➤ <b>Publisher</b>	: <b>Studium Press LLC (USA)</b>

#### Research Guidance Details (MPhil/PhD):

Sl.No	Name of the Scholar	University	Registration month & Year	Research Area
1.	Dr. Vinod Kumar S.	Kuvempu	Ph.D. Awarded in	Biochemistry

		University	2009	(Natural Products)
2.	Ms. Kavitha M.H.	Kuvempu University	M.Phil. Awarded in 2009	Biochemistry (Plant Biochemistry)
3.	Ms. Roopa L.	Kuvempu University	M.Phil. Awarded in 2009	Biochemistry (Plant Biochemistry)
4.	Mr. Giridhara B.	Kuvempu University	M.Phil. Awarded in 2009	Biochemistry (Natural Products)
5.	Mr. Naveen P.	Kuvempu University	M.Phil. Awarded in 2009	Biochemistry (Natural Products)
6.	Dr. Raghavendra S.	Kuvempu University	Ph.D. Awarded in 2010	Biochemistry (Plant Biochemistry)
7.	Dr.Veerashree V.	Kuvempu University	Ph.D. Awarded in 2012	Biochemistry (Plant Biochemistry)
8.	Dr. Anil Kumar H.S.	Kuvempu University	Ph.D. Awarded in 2015	Biochemistry (Natural Products)
9.	Dr.Ramachandra R.	Kuvempu University	Ph.D. Awarded in 2015	Biochemistry (Plant Biochemistry)
10.	Dr.Raghavendra H.L.	Kuvempu University	Ph.D. Awarded in 2016	Biochemistry (Natural Products)
11.	Dr. Santosh Kumar H.S.	Kuvempu University	Ph.D. Awarded in 2016	Biochemistry (Bioinformatics)
12.	Dr. DayaluNaik S.L.	Kuvempu University	Ph.D. Awarded in 2018	Biochemistry (Cervical Cancer)
13.	Dr. Giridhara B.	Davangere University	Ph.D. Awarded in 2016	Biochemistry (Natural Products)
14.	Dr. Suma H.K.	Davangere University	Ph.D. Awarded in 2016	Biochemistry (Natural Products)
15.	Dr. Hari Gajula	Davangere University	Ph.D. Awarded in 2019	Biochemistry (Plant Biochemistry)
16.	Mr. Manjunath L.	Davangere University	Registered for Ph.D. in 2011	Biochemistry (Plant Biochemistry)
17.	Mr. Rajashekar J.	Davangere University	Registered for Ph.D. in 2014	Biochemistry (Plant Biochemistry)
18.	Mr. Torankumar S.	Davangere University	Registered for Ph.D. in 2014	Biochemistry (Plant Biochemistry)
19.	Mr. Manjunath T.	Davangere University	Registered for Ph.D. in 2017	Biochemistry (Natural Products)

20.	Miss. Ruksana F.	Davangere University	Registered for Ph.D. in 2018	Biochemistry (Plant Biochemistry)
21.	Miss. Vishala E.	Davangere University	Registered for Ph.D. in 2018	Biochemistry (Plant Biochemistry)
22.	Mr. Prathap H.M.	Davangere University	Registered for Ph.D. in 2018	Biochemistry (Natural Products)
23.	Miss. Savitharani M.	Davangere University	To be Registered for Ph.D. in 2019-20	Biochemistry (Natural Products)

Conference/Workshops/Trainingsattended/organized:

*International/National Conferences:*

1. As Convenor of Society of Biological Chemists (India) – Davangere Branch, successfully organized National Seminar on “New Trends in Biochemistry & Biotechnology”, at D.O.S. in Biochemistry, Kuvempu University – P.G.Centre, Davangere, on 24th March, 2001.
2. One Day Seminar on “The Frontiers of Physics and Challenges for The Future”, Department of Physics, Davangere University, Shivagangothri, Davangere, on 13<sup>th</sup> May, 2013.
3. National Conference on "Recent Trends in Computer Science TANTRIKEYA 2K14", Department of Computer Science, Davangere University, Shivagangothri, Davangere, on 10th March, 2014.
4. UGC-sponsored National Seminar on “Frontiers in Physics Vidyukt-2014”, Department of Physics, Davangere University, Shivagangothri, Davangere, on 5th May, 2014.
5. SBC(I)-sponsored One Day Seminar on "Horizons of Biochemistry and Avenues for Biochemists", Department of Biochemistry, Davangere University, Shivagangothri, Davangere, on 14th May, 2014.
6. KSTA-sponsored Special Lecture Workshop”, Department of Biochemistry, Davangere University, Shivagangothri, Davangere, on 14th and 15th October, 2014.
7. DST, UGC-sponsored International Conference on “Bioactive Chemicals for Reproduction and Human Health and 33rd Annual Meeting of The Society for Reproductive Biology and Comparative Endocrinology (SRBCE), Davangere University, Shivagangothri, Davangere, from 26th to 28th February, 2015.
8. KSTA-sponsored Special Lecture Workshop”, Department of Physics, Davangere University, Shivagangothri, Davangere, on 14th and 15th March, 2016.
9. UGC-sponsored International Symposium on “Understanding the Molecules of Life in the Era of New Biology” and 28th All India Congress of Zoology (AICZ), Davangere University,

Shivagangothri, Davangere, from 26th to 28th February, 2016.

10. UGC-sponsored National Symposium on "Emerging Trends and Challenges in Life Sciences", Department of Biochemistry, Davangere University, Shivagangothri, Davangere, on 26th and 27th April, 2019.

*Workshops/Seminars/Symposium Attended:*

1. National Symposium on Frontiers in Applied Environmental Microbiology, at Chochin University of Science & Technology, Cochin, 11-13 December, 1995.
2. National Symposium on Emerging Trends in Plant Tissue Culture and Molecular Biology and XX Meeting of Plant Tissue Culture Association, at Osmania University 29-31 January, 1997.
3. DST, Government of India sponsored National Workshop on Patent Awareness & Intellectual Property Rights, at Sri Krishna Devaraya University, 16<sup>th</sup> September, 1998.
4. AstraZeneca International Symposium on Progress in Drug Discovery and Development Sciences, held at J.N. Auditorium, IISc, Bangalore, 17-19 January, 2001.
5. National Conference on Recent Trends in Plant Science Research, at Mahatma Gandhi University, Kottayam, 14-15, November, 2002.
6. National Symposium on Biotechnology for a Better Future, St. Aloysius College, Mangalore, 2004.
7. UGC sponsored National Conference on Recent Trends in Plant Sciences, at St. Joseph's College, Bangalore, 1-2 February, 2008.
8. International Conference-2009; Herbal Medicine-Evaluation of Quality, Efficacy and Safety, Bangalore, 26-28 February, 2009.
9. National Symposium on Bioactive Molecules: From Discovery to Industry, at Department of Biochemistry, University of Mysore, Mysore, 6-7 April, 2009.
10. International Conference on Advances in Free Radicals Research, Natural Products, Antioxidants and Radioprotectors in Health & Ninth Annual Meeting of The Society of Free Radical Research India, at Nizam's Institute of Medical Sciences, Hyderabad, 11-13 January, 2010.
11. International Conference on Advances in Free Radicals, Redox Signalling and Translational Antioxidant Research & XII Annual Meeting of the Society for Free Radical Research-India, at CSIR-Indian Institute of Toxicology Research, Lucknow, 30<sup>th</sup> January to 1<sup>st</sup> February, 2013.
12. XXXIV Annual Meeting of Plant Tissue Culture Association (India), National Symposium on Plant Tissue Culture and Biotechnology for Food and Nutritional Security, at CSIR-CFTRI, Mysuru, India 11-13 March, 2013.

**Training Programme :**

1. DBT, Government of India sponsored Methods of Gene Cloning, at Centre for Plant Molecular Biology, Osmania University, Hyderabad, 20-31 January, 2000.
2. DST, Government of India sponsored Contact programme and Workshop on "Protoplast Fusion Technology for Strain Improvement in Filamentous Fungi, held at the Centre for Advanced Studies in Botany, University of Madras, 22-27 May, 2000.
3. An International Workshop on Cell Biology, organized by The Institute of Bioinformatics and Applied Biotechnology, Bangalore, January 29 to February 5, 2004.
4. DBT, Government of India sponsored National Training Workshop on Bioinformatics and its Applications, at Bioinformatics Centre, College of Fisheries, Mangalore. 21-23 February, 2005.
5. DST-FIST sponsored Second National Workshop on Genome and Proteome Analysis, at Department of Biochemistry, Sri Krishnadevaraya University, Anantapur, 21-13 March, 2005.
6. Three Day National Workshop on Sequence Analysis and Visualization Tools, at Dr. G.R. Damodaran College of Science, Coimbatore, 19-21 September, 2005.

**Achievements/Awards / Abroad visit / Professional Membership**

**Fellowships/Awards:**

1. **1995: Junior Research Fellowship** by University Grants Commission, Government of India, for having qualified **GATE - 95examination.**
- 1995:Junior Research Fellowship** by CSIR, Government of India, for having qualified**Joint CSIR-UGC/NET.**
- 2002: Best Paper presentation Award** at National Symposium,Kottayam.
- 2015:Recognized Reviewer status** by the journal Industrial Crops and Products (Elsevier Publishers)
- 2016: Zoological Society of India (ZSI) Appreciation Award.**
- Best Research paper presentation awards for Research Students awarded at International/National Conferences/Symposia/Seminars: 2010; 2011; 2015; 2016; 2019.**

## Personal Details