

TEACHER'S PROFILE/CURRICULUM VITAE



1. Personal Information

01	Name, Designation and Address:	H. S. SANTOSH KUMAR Assistant Professor Department of Biotechnology & Bioinformatics Kuvempu University, <u>Shankarghatta – 577 451</u> Shimoga Dist. Karnataka
02	Contact Number and E-mail:	08282-256235; sk.genesan@gmail.com
03	Date of Birth:	20.06.1981
04	Gender and Marital Status:	Male; Married
05	Nationality:	Indian

02. Educational Qualification

Sl. No	Name of the Degree	University /Institution	Month and Year of Degree Awarded	Remarks
01	Ph.D (Pursuing)	Kuvempu University		Topic: 'Genome wide analysis of Human WD repertoires'
02	Advanced Diploma in Bionformatics	Madurai Kamaraja University	June 2005	
02	M.Sc Biochemistry	Kuvempu University	June 2004	
03	B.Sc	Kuvempu University	June 2002	Micorbiology, Biochemistry, Botany

04. A. Teaching Experience (latest should be first)

Sl. No	Designation	University/Institution	Period
01	Assistant Professor	Dept. of Biotechnology, Kuvempu University	December 2006 – Till date

B. Academic Programs Taught (Eg. M.Sc, M.A, M.Com, etc).

1. M.Sc Biotechnology
2. M. Sc. Bionformatics

C. Courses Taught (Provide a List)

1. Biochemistry and Cellular Metabolism
2. Biostatistics
3. Genomics and Proteomics
4. Pharmacogenomics and Drug Designing
5. Medical Biotechnology
6. Research Methodology

05. Publications (Please provide the information in the pattern mentioned)

05.1: Books: -- Nil --

05.2: Articles/Papers Published in Edited Books

1. Book article entitled "Biodiversity and Bioinformatics" in Biodiversity Monitoring and Utilisation edited by B. B. Hosetti & K. L. Naik. Eastern Book Corporation publications.

05.4: Research Papers:

1. **Hulikal Shivashankara Santosh Kumar**, Vadlapudi Kumar. A Comparison of Rosetta Stones in Adapter Protein Families. *Bioinformation* 12(5): 285-292
2. **Hulikal Shivashankara Santosh kumar**, Vadlapudi Kumar, Sharath Pattar, Sandeep Telkar. Towards the construction of an interactome for Human WD40 protein family. *Bioinformation*, **12(2)**: 54-61(2016).
3. Nagabhushana Nayak, Jurupula Ramprasad, Udayakumar Dalimba, Perumal Yogeeswari, Dharmarajan Sriram, **H. S. Santosh Kumar**, S. K. Peethambar, Rajeshwara Achur. Synthesis of new pyrazole-triazole hybrids by click reaction using a green solvent and evaluation of their antitubercular and antibacterial activity. *Research on Chemical Intermediates* **42(4)**: 3721–3741(2016)
4. Rizwana Abid, Riaz Mahmood and **Hulikal Shivashankara Santosh Kumar**. Hypolipidemic and antioxidant effects of ethanol extract of *Cassia fistula* fruit in hyperlipidemic mice. *Pharmaceutical Biology*. **54(12)**: 2822-2829 (2016)
5. J.Ramprasad, **H S Santosh kumar**, Nagabhushana Nayak, Udayakumar D, P. Yogeeswari, D. Sriram, S K Peethambar, Rajeshwara A. **Synthesis and biological evaluation of new imidazo[2,1-b][1,3,4]thiadiazole-benzimidazole derivatives**. *European Journal of medicinal Chemistry*. **95**: 49-63 (2015)
6. Nagashree B.R, B.R. Gurumurthy, **H. S. Santosh kumar**, Karaba N Nataraj, M.B Shivanna, Effect of Salinity on Callus culture of *Acacia auriculiformis* A.Cunn. Ex Benth and Optimization of PCR usable Robust DNA extraction protocols for RAPD Analysis, *Plant Biosystems* (Impact Factor: 1.91). 05/2013

7. Bharath BR, Manjunatha H, **Santosh Kumar HS**, Bharath K, **Non Linear Flux Assessment Model for Endotoxin Neutralizing Pathways** Journal of Computer Science & Systems Biology 04/2013; 6:057-072. DOI: 10.4172/jcsb
8. Shrikanth Ulloora, **Santhosh Kumar**, Ramakrishna Shabaraya, Airody Vasudeva Adhikari. **New dihydropyridine derivatives: anti-inflammatory, analgesic and docking studies** Medicinal Chemistry Research (Impact Factor: 1.61). 04/2013; 22(4):1549-1562.
9. Tejaswini Subbannayya, Lavanya Balakrishnan, Granthali Sudarshan, Jayshree Advani, **Santosh Kumar**, Riaz Mahmood, Bipin Nair, Ravi Sirdeshmukh, Kanchan K. Mukherjee, Sudhir N. Umathe, Rajesh Raju, T. S. Keshava Prasad. **An integrated map of corticotropin-releasing hormone signaling pathway**, Journal of Cell Communication and Signaling 03/2013; DOI: 10.1007/s12079-013-0197-3
10. Sandeep Telkar, Hulikal Shivashankara **Santosh Kumar** and Riaz Mahmood. **Syntenic Approach of Drug Target Prediction among Unique Hypothetical Proteins of Streptococcus Gordonii Causing Infective Endocarditis**. Sci. Technol. Arts Res. J., Oct-Dec 2013, 2(4): 34-39
11. Sandeep Telkar, **Hulikal shivashankara Santosh Kumar**, Nagaraja Deeplanaik & Riaz Mahmood, **Strategic genome-scale prioritization of unique drug targets: A case study of Streptococcus gordonii**, Bioinformation 9(19): 983-987 (2013)
12. Nagaraja Deeplanaik, Ramesh Chapeyil Kumaran, Krishna Venkatarangaiah, **Santosh Kumar Hulikal Shivashankar**, Dadakhalandar Doddamani, Sandeep Telkar. Expression of drought responsive genes in pigeonpea and in silico comparison with soybean cDNA library. Journal of Crop Science and Biotechnology. 16(4): 243-251 (2013)
13. Harish B.G., Krishna V., **Santosh kumar H.S.** (2007). Wound healing activity and docking of Glycogen-synthase-kinase-3- β -protein with isolated triterpenoid lupeol in rats” J. Phymed (PMID: 18222664).

05.5: Research Paper published in the Proceedings of the seminar/ Conferences/ Symposium: --- Nil ----

05.6 Number of Publications during past five years: --12 --

06. Research Guidance (Provide the list)

06.5: Student Project Guidance: -- > 15

07. Research Projects

Sl. No	Investigator / Co-investigator	Title of the Project	Funding Agency	Amount (Lakhs)	Man Power appointed /Trained	Duration and Status (Ongoing/ Completed)
01	Co-Investigator	Study of efficacy of cow urine extract of <i>Gnedia glauca</i> in the management of Bacterial blight of rice caused by <i>Xanthomonas oryzae</i> pv. <i>Oryzae</i>	Funded by Karnataka Agriculture and Horticulture Research Board: Status - Completed	25	01	03 years Completed

09. Conferences, Seminars, etc Attended and Papers Presented (Provide a list and indicate whether it is a Key note address, Inaugural address or Invited talk etc.)

Sl. No.	Seminar/Conference	Date	Title of the Paper	Remarks
01	National Workshop on Bioinformatics tools	30/03/2012	Bioinformatics – Developments, trends and future prospects	Invited Talk
02	National Workshop on Bioinformatics tools for entomologists	30/11/2013	Systems Biology-concepts and prospects for entomologists	Invited Talk
03	State level conference in Mesmerizing Fields of Biotechnology	04/2010	PowerGraph Analysis of Mycobacterium DNA repair interactome for drug targets	Oral Presentation
04	International conference on Molecular Medicine – MOLMED – 2012	17/02/ 2012	Non Linear Flux assessment for Endotoxin Neutralizing Pathways	Oral Presentation (Young Scientist Award)
05	83rd annual meeting on SBC(I) and Haldane Symposium	17/12/2014 to 21/12/2014	“Molecular Docking studies of novel drug molecules for the treatment of Alzheimer’s Disease”	Poster Preseantion
06	National symposium National Symposium on Antimicrobial Resistance and Drug Discovery.	9/09/2009 to 10/09/2009.	Study on the Effects of Mutations on ligand Receptor Interaction with special reference to CYP2D6 and Debrisoquine	Poster Preseantion (Best Poster award)
07	Asia Pacific Bioinformatics Conference	18/01/2010 to 22/01/2010.	Horizontal gene transfer: a case study of being a natural tool for pathogenicity among genome completed streptococcus causing Infective endocarditis.	Poster Preseantion
08	National symposium on Role of Biotechnology in development of Herbal Drug and Conservation of Biodiversity.	24/01/2009 to 25/01/2009	Genome wide analysis of human WD repeat protein repertoire	Poster Presentation (Best Poster award)

09	International conference on Current Trends in Drug Design	01/2010	Comparative analysis of homologous proteins for specific drug design	Poster presentation
10	XII Conference of Society of Cytologists and Geneticists	22/12/2014 to 24/12/ 2014	Systems Biology: New Holism in analysis of Complex Biological Data	Invited Talk
11	33rd Annual Meeting of the Society of Reproductive Biology and Comparative Endocrinology	15/2/2015	Systems Biology: New "HOLISM" for understanding biology	Invited talk
12	Special Lecture Series for CSIR training	September 2015	Tips and tricks for CSIR	Special Lecture

10. Administrative Experience

Sl. No	Position	Organization	Duration	Responsibilities
01	Member	University Central Computational Facility Monitoring Committee	2010 – 2014	To monitor the activities and proceedings of UCCF.
02	Chairman	Board of Examination (PG) Biotechnology	2016	To coordinate the examination and evaluation for PG biotechnology course

11. Memberships of University Bodies/other organizations

Sl. No.	University/Organization/Institute body	Nature of Association	Period
01	St. Aloysius College (autonomous), Mangaluru	Member of Board of Examination	2012 –Till date
02	Society of Biological chemists (India)	Life Member	2010 – till date.

12. Extension/Outreach activities :

Member of Sagara Science Forum through which I render special lectures series to Pre university and high school students regarding career guidance and on selected science topics to inspire them to take up career in basic science.

13. Honors, Awards and Recognition (Provide Award Certificate Copies) :

1. Best Poster award in 2008, 2010.
2. Young Scientist award at International Conference on Molecular Medicine- VIT university held on 17th to 22nd February 2012

3. Best Research presentation award at 83rd Annual Meeting of SBC (I) held at KIIT University, Bhubaneswar, ODISHA from 17th Decemeber to 21st December 2014.

Date:

Signature