

1. Bio Data

- ❖ **Full Name** : *Dr. Anil Kumar S. Katti*
- ❖ **Father's Name** : Subhash
- ❖ **Designation** : Asst. Professor
- ❖ **Date of Birth** : 9th March 1979 (**Encl.-1**)
- ❖ **Permanent address** : H. No.12-26, Gabriel Villa, Doctor's Colony,
Jayanagar, Gulbarga-585105.
- ❖ **Religion** : Christian, Cat-I
- ❖ **PAN** : AKRPA3940J
- ❖ **Telephone number** : Mobile - 08657687482
- ❖ **E-mail address** : anilsk09@gmail.com
- ❖ **Sex** : Male



- ❖ **Languages known** :

Languages	Read	Write	Speak
Marathi	✓	X	X
Hindi	✓	✓	✓
English	✓	✓	✓
Kannada	✓	✓	✓
Telugu	X	X	✓

Nationality : Indian
Domicile : Karnataka

❖ Educational Qualifications:

Degree	Board/ University	Year of Passing	Division/ Grade	% of marks	Subject/s	Encl
Ph.D.	Gulbarga University	2011	Awarded	--	Biotechnology	2,3
M. Phil	Gulbarga University	2006	1 st class with Distinction	70%	Biotechnology	4,5,6
M. Sc.	Gulbarga University	2003	2 nd class	67.5%	Biotechnology	7,8,9,10
B. Sc.	Gulbarga University	2000	1 st class	70.13%	Industrial Microbiology	11,12,13
P.U C	Bangalore Board	1997	Pass Class	38%	Phy., Chem., Maths., Bio.	14
S.S.L.C	Bangalore Board	1995	II Class	52.76%	Kannad, Hindi, English, Social Science, Science, Maths	15

❖ **Appointment Details:**

Sr. No.	Name of the College	Nature of Appointment	Date of Appointment		No. of Years & Months	Encl.
			From	To		
1	Dept. of Biotechnology Gulbarga University, Gulbarga.	Paid Research Scholar	1/07/2005	30/04/2006	1 yrs	
2	Luqman Degree College of Arts and Science, Gulbarga	Lecturer	1/06/2006	30/04/2007	1 yrs	
3	Walchand College of Arts and Science, Solapur	Full Time	June 2010	Till Date	5 Yrs & 10 Months	
4	Dept. of Biotechnology Gulbarga University, Gulbarga.	Guest Lecturer	01/07/2007	30/05/2010	3 yrs	16,17,18

❖ **Recognition as Post-Graduate Teacher/Research Guide** : No

❖ **Classes Taught** : B. Sc-I (Biotechnology) : Microbiology
Papers Taught : M. Sc -I (Bioinformatics): Genetics, Microbiology & Biotechnology.
 : M. Sc-II (Bioinformatics): Drug Design, Research methodology, IPR, Advance Molecular Biology.
 : M. Sc- II (Biotech): Research methodology, IPR

❖ **Major thrust areas within the subject** : Extremophiles Biodiversity, Microbiology & Biotechnology, Genomics and Proteomics, *In silico* Drug and Vaccine design

❖ **Total Teaching Experience** : 10 yrs & 10 months
 Degree college = 1 yrs
 Post graduate = 9 year & 10 months

❖ **Honors Conferred / Award Received (During the Last Five Years):** NIL

2. Additional Qualifications Acquired during the Last Five Years

Sr. No.	Qualification Acquired	Agency	Year	Encl.
1	----	---	--	--
2				
3				

3. Teaching Plant (Month-wise)

Sr. No.	Month	Class	Paper	Topics/Practicals
				19

4. Academic Plant (Month-wise)

Sr. No.	Month	Activities	Beneficiaries	Remarks If Any (Purpose/Significance)
				20

5. Work done other than Academic Responsibilities: (Co-curricular and Extra-curricular Activities)

- ❖ Working as In charge of M. Sc. Biotechnology at Walchand Centre for Biotechnology, Solapur.
- ❖ Worked as organizing committee member in International Conference of “Chemical, Materials and Biological Sciences for Sustainable Development” organized by Walchand college, Solapur on 8th-10th January, 2015
- ❖ Chaired as a chairperson on talk “Tools in Bioinformatics” in National seminar on “Life Science technologies for changing life style” organized by institute of V. G. Shivdare College of Arts commerce and Science, Solapur on January 6th, 2014
- ❖ Coordinator of Career oriented certificate course in “Advance Instrumentation”
- ❖ Member of staff welfare committee of college
- ❖ Member of consultancy and collaboration committee of college
- ❖ Member of Result analysis committee of college
- ❖ Member of M.Sc. (Biotech)-I Admission committee of college

6. Participation in Orientation / Refresher Courses, Seminars, Workshops, Conferences, Symposia, etc. (Last Five Years)

Sr. No.	Title	Place	Sponsored by	Dates	Encl
1	International Conference on, “Chemical, Materials and Biosciences for Sustainable Development”	Walchand College, Solapur	Jointly organized with Monad Nanotech, Mumbai	8 th -10 th Jan.2015	21
2	National seminar on Life Science Technologies changing Life style.	V. G. Shivdare College of Arts, Commerce & Science, solapur	Self	6 th January 2014	22
3	Two days workshop on “Research methodology for life science research students”	Dept. of Biotechnology, Gulbarga University, Gulbarga	UGC-New Delhi	29 th & 30 th May 2012	23
4	3 days workshop on <i>In-silico</i> Drug Discovery and Advanced Chemo	RASA Life Science	Self	28 th - 30 th Sept	24

	informatics.	Informatics, Pune		2012	
5	Two days national Seminar on “Nanomaterials and its applications (NAMA-11)”	Dept. of chemistry, Walchand College of Arts and Science, Solapur.	UGC (W.R.O., Pune) and CSIR, New Delhi	28 th - 29 th January 2011	25
6	Biotechnology Fusion of Advanced Research and Teaching	School of Biotechnology, Madurai Kamaraj University, Madurai	Self	2 nd – 4 th January 2010	26
7	Subjects based state inter University symposium (Biochemistry, Biotechnology, Microbiology and Bioinformatics) on Enhancing Research and Teaching Activities	Gulbarga University, Gulbarga	Vision Group of Science and Technology, Dept. of Science and technology, Government of Karnataka	3 rd and 4 th March, 2010	27

7. Research Work Done/Undertaken (Last Five Years)

Research Programme	Title	Research Guide	University	Status
Ph.D.	Nil	Nil	Nil	Nil
M. Phil	Nil	Nil	Nil	Nil

8. Research Guidance (Last Five Years)

For UG students

- ✓ Molecular Docking of Docetaxel with Guanylate-binding protein 1 overexpressed In Oral Cavity squamous cell carcinoma (2014).
- ✓ Identification Of Drug Targets And Molecular Docking Studies In Oral Cancer (2014).

For PG students

- ✓ Molecular modeling of altered p53 proteins involved in Oral Cancer (2010-2011)
- ✓ In-Silico Development of Drug and Vaccine against Neisseria gonorrhoeae (2010-2011)

- ✓ In- silico Characterization and Molecular Phylogenetics of Snake Venom Toxines (2010-2011)
- ✓ Isolation and Molecular Characterization of Novel Extreme Halophilic Bacteria From Solar Saltern Ponds (2010-2011)
- ✓ Computational Modeling and Characterization of “IRF8” A Key Regulatory Molecule in Arthritis (2010-2011)
- ✓ Characterization and Molecular Docking of Potential Drug Targets of Mycobacterium Tuberculosis (2011-2012)
- ✓ Development of Host Pathogen Protein-Protein Interaction Network and In-silico Vaccine Designing for *Mycobacterium tuberculosis* using reverse vaccinology (2012-2013)
- ✓ *In-silico* analysis and docking of GlmU and 6 alpha manoxymanoyl oxide (2014-2015)
- ✓ Molecular docking of quinapril against GlmU protein a potential drug target Involved in bacterial cell wall synthesis (2014-2015)
- ✓ *In-silico* analysis GlmU and molecular docking of laburnetin a potential drug for *Mycobacterium tuberculosis* (2014-2015)

9. Research Project Proposed/Undertaken/Done

Sr. No.	Title	Funding Agency	Fund Sanctioned	Status: Proposed/ Undertaken/Done	Remark If Any	Encl
	Nil	--	--	--	--	--

10. Paper Presentations

Sr. No	Title	Organized by	Sponsored by	Remark If Any	Encl.
1	“Designing inhibitor against GlmU protein a potential drug target involved in bacterial cell wall synthesis”.	Walchand College, Solapur	Jointly organized with Monad Nanotech, Mumbai	8 th -10 th Jan.2015	28
2	Analysis of single nucleotide polymorphism for personalized medicine.	Dept. of Biotechnology, Gulbarga University, Gulbarga	Self	20 th - 21 st March 2012	29
3	“Biosynthesis and antimicrobial	Dept. of Chemistry,	UGC (W.R.O.,	28 th - 29 th	30

	studies of silver nanoparticles”	Walchand college of Arts and Science, Solapur.	Pune) and CSIR, New Delhi	January 2011	
4	“Extremophile <i>Marinobacter hydrocarbonoclasticus</i> strain AK5 a source for novel extremozymes”	National Conference on Biotechnology: Fusion of Advanced Research & Teaching	Self	2 nd - 4 th January, 2010.	31

11. Publications:

Books/Research Papers/Articles

Sr. No.	Title	Publisher	Encl.
1	S. Anil Kumar, R. Arunasri, and M. B. Sulochana. Screening of extracellular hydrolytic enzymes from <i>Marinobacter hydrocarbonoclasticus</i> strain AK5.	<i>International Journal of Bioscan.</i> (2010) 5 (1): 97-99.	32
2	Anil Kumar, S., Arunasri, R., and Sulochana, M. B. A new organic solvent tolerant <i>Marinobacter litoralis</i> strain AKT1 produced organic solvent stable esterase.	<i>Journal of Research and Review in Biosciences.</i> (2010). 4 (1): 62-65.	33
3	Arunasri R., Anilkumar S., Reddy Praveen kumar, Soumya and Sulochana M. B. Enhancement of Lipase Production from <i>Pseudomonas</i> sp. by Induced Mutations.	<i>Research Journal of Biotechnology.</i> (2012). 7 (1): 49-52.	34
4	Yogesh N. Joshi, Pravin S. Gore., Chakre G. D., Vinod P.S., and Anil Kumar S. Katti. Sequence analysis and antigenic prediction of alpha and beta neurotoxin in scorpion.	<i>Solapur University Research Journal,</i> (2012). Vol. 2.	35
5	Jayachandra. S. Y., Anil Kumar. S., Merley. D. P., and Sulochana. M. B. Isolation and characterization of extreme halophilic bacterium <i>Salinicoccus</i> sp. JAS4 producing extracellular hydrolytic enzymes.	<i>Recent Research in Science and Technology.</i> (2012), 4(4): 46-49.	36
6	Merly D. P., Anil Kumar S., K. Mohan Reddy, Tejaswini B., Darley S. P. and M.B. Sulochana. <i>In-silico</i> analysis of PtpA - an antigenic protein of <i>Mycobacterium tuberculosis</i> .	<i>Recent Research in Science and Technology.</i> (2012). 4 (7): 23-26.	37
7	Jayachandra SY, Anil Kumar S, Shouche YS and Sulochana MB. Culturable diversity of extremely halophilic bacteria from West coast of Karnataka, India.	<i>International Journal of Biology, Pharmacy, and Allied Sciences.</i> (2013). 2 (2): 391-405.	38
8	Rajashri N. B and Anil Kumar S. <i>In-silico</i> identification and sequence annotation of potential vaccine candidate for <i>Neisseria</i>	<i>International journal of Advanced Biotechnology and Research.</i> (2013). 4	39

	<i>gonorrhoeae</i> .	(3): 404-414.	
9	Aasma S Jamkhandi, Mubashshira A Pathan and Anil Kumar S. Katti . <i>In-silico</i> vaccine designing for <i>Mycobacterium tuberculosis</i> using reverse vaccinology.	<i>International Journal of Advanced Biotechnology and Research</i> . (2013). Vol 4, (4): 578-585.	40
10	Mubashshira A. Pathan, Aasma S. Jamkhandi and Anil Kumar S. Katti . <i>In silico</i> characterization of GlmU antigenic <i>Mycobacterium tuberculosis</i> protein.	<i>International Journal of Pharmaceutical Sciences and Research</i> . (2014). Vol 5(4): 1493-1499.	41
11	M. B. Sulochana, S. Y. Jayachandra, S. K. Anil Kumar and A. Dayanand. Antifungal attribute of siderophore produced by the <i>Pseudomonas aeruginosa</i> JAS-25.	<i>Journal of Basic Microbiology</i> . (2014). 1-7.	42
12	M. B. Sulochana, S. Y. Jayachandra, S. Anil Kumar , A. B. Parameshwar, K. Mohan Reddy and A. Dayanand. Siderophore as a Potential Plant Growth-Promoting Agent Produced by <i>Pseudomonas aeruginosa</i> JAS-25.	<i>Appl Biochem Biotechnol</i> . (2014). 1039-3.	43
13	Shweta S. Potnis, Sana M. Shaikh, Arati S. Sathe and Anil Kumar S. Katti . <i>In silico</i> structural and functional analysis of drug and vaccine candidate for <i>streptococcus pneumoniae</i> .	<i>Journal of Advanced Bioinformatics Applications and Research</i> . (2014). Vol 5 (3): 210-214.	44
14	Satish K. Kyatam, Shalini Y. Shriram, Bhavana S. Mashal, Ambika D. Saggam and Anil Kumar S. Katti . <i>In silico</i> characterization of endotoxin: a future drug target for <i>Neisseria meningitidis</i> .	<i>International Journal of Advanced Biotechnology and Research</i> . (2015). Vol 6 (1): 7-11.	45
15	Yogesh N. Joshi, Sameena S. Syed , Chakre G.D., Vinod P. S., and Anil Kumar S. Katti . Designing and Development of Potent Drug Inhibitor to MMP12 in COPD Disease.	<i>Journal of Advanced Bioinformatics Applications and Research</i> . (2015). Vol 6 (3), 77-83.	46
16	Yogesh Joshi, Chakre G.D, Vinod P.S and Anilkumar S. Katti. <i>In-silico</i> Sequence Analysis and Homology Modeling of Dihydropteroate Synthase in Pneumocystis Pneumonia	<i>International Journal of Innovative Science, Engineering & Technology</i> , (2015). Vol. 2 Issue 10, 666-670.	47

12. University Work (Examination, Curriculum, Administration, Extension etc.)

Sr. No	University Work	Encl
1	Member of Syllabus subcommittee of M.Sc. I & II Biotechnology and at Solapur University, Solapur	48
2	Member of Syllabus subcommittee of M.Sc. I & II Bioinformatics at	49

	Solapur University, Solapur	
3	Member of Syllabus subcommittee of B.Sc. I Biotechnology and Bioinformatics at Solapur University, Solapur	50
4	Paper Setter of B.Sc. Biotechnology at Solapur University, Solapur	51
5	Paper Setter of M.Sc. Biotechnology and Bioinformatics at Solapur University, Solapur	52
6	Practical Examiner of M.Sc. Biotechnology of Solapur University, Solapur	53
7	Practical Examiner of M.Sc. Bioinformatics of Solapur University, Solapur	54
8	Worked as an examiner for theory paper assessment of M. Sc. Biotechnology and Bioinformatics part-I and Part-II of Solapur University, Solapur.	55
9	Appointed as a Chairman for theory and practical exam of M. Sc., Bioinformatics Part-I & II, Solapur University, Solapur from Oct./Nov.-2013 to April/May-2015.	56

13. Personal Library (Book/Journal compiled during the Last Five Years)

Sr. No.	Title	Publisher	Price
1			
2			

14. Membership of Academic, Social, Professional, Corporate Bodies, NGOs

Sr. No.	Name of the Body	Status	Encl
1	International Association of Computer Science and Information Technology (IACSIT), Singapore (Member NO.: 80347696).	Senior Member	57

15. Contribution to Society (As a Counselor, Guide, Resource Person, etc)

Sr. No.	Event	Nature of Contribution	Agency	Encl
1	UGC sponsored two days state level seminar on “ Application of computer in Biological sciences ”, organized on 22 nd and 23 rd December 2011	Resource person	Karmaveer Bhaurao College, Pandharpur, Solapur District	58
2	UGC sponsored two days national seminar on “Recent trends in Cell biology, Biotechnology and Bioinformatics” on 5 th and 6 th September, 2013	Resource person	Department of Zoology, Balwant College, Vita, Sangli District, Maharashtra.	59

3	Two days work shop on “Advance techniques for Basic Sciences” on 20 th and 21 st Feb-2015,	Resource person	Department of Biotechnology, Walchand College of Arts and Science, Solapur.	60
4	National seminar on Life Science Technologies changing Life style.	Session Chaired	V. G. Shivdare College of Arts, Commerce & Science, solapur	61

16. Innovative/Healthy Practices (Academic, Social, Culture, etc)

17. Any other Information

Nil

➤ **Name : Dr. Anil Kumar S. Katti**

➤ **Place: Solapur**

➤ **Date: 3/11/2015**

(-----)

Signature