

1. Bio-data

- ❖ **Full Name** : *Dr. Anil Kumar S. Katti*
- ❖ **Father's Name** : Subhash
- ❖ **Designation** : Asst. Professor
- ❖ **Date of Birth** : 9th March 1979
- ❖ **Permanent address** : Plot No. 9, Siddeshwar Colony, Sedam Road,
Opp. University Cross, Gulbarga-585105.
- ❖ **Religion** : Christian
- ❖ **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

2. Educational Qualifications:

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

3. Appointment Details:

Sr. No.	Name of the College	Nature of Appointment	Date of Appointment		No. of Years &
			From	To	
1	Luqman Degree College of Arts and Science, Gulbarga	Lecturer	1/06/2006	30/04/2007	1 Yrs
2	Dept. of Biotechnology Gulbarga University,	Guest Lecturer	01/07/2007	30/05/2010	3 Yrs
3	Walchand College of Arts and Science, Solapur	Full Time	June 2010	Till Date	10 Yrs

❖ **Recognition as Research Guide** : No

❖ **Classes Taught & Papers Taught**

: B. Sc-I (Biotechnology)	: Microbiology
: M. Sc -I (Bioinformatics)	: Genetics, Microbiology & Biotechnology.
: M. Sc-II (Bioinformatics)	: Drug Design, Research Methodology, IPR, Advance Molecular Biology.
: M. Sc –I (Biotech)	: Molecular Cell Processing
: M. Sc- II (Biotech)	: Genetic Engineering, Research methodology, IPR

❖ **Major thrust areas within the subject** : Extremophiles Biodiversity, Industrial Biotechnology, *In silico* Drug and Vaccine design

❖ **Total Teaching Experience** : 14 yrs

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

❖ **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

4. Participation in Orientation / Refresher Courses, Seminars, Workshops, Conferences, Symposia, etc. (last 10 years)

Sr. No.	Title	Place	Sponsored by	Dates
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
2	National seminar on Life Science Technologies changing Life style.	V. G. Shivdare College of Arts, Commerce & Science, solapur	Self	6 th January 2014
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
4	3 days workshop on <i>In-silico</i> Drug Discovery and Advanced Chemo informatics.	RASA Life Science Informatics, Pune	Self	28 th - 30 th Sept 2012
5	Two days national Seminar on "Nano-materials 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
6	Biotechnology Fusion of Advanced Research and Teaching	School of Biotechnology, Madurai Kamaraj University, Madurai	Self	2 nd - 4 th January 2010
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

5. Paper Presentations

Sr. No	Title	Organized by	Sponsored by	Remark If Any
1	"Exploring pathogenicity Islands for discovering new drug targets in <i>S. aureus</i> "	Two Days National Conference on Emerging Trends in Pharmaceutical Chemistry-2020, D.B.F. Dayanand College of Arts and Science, Solapur	Self	24 th & 25 th January 2020.

2	“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
3	Analysis of single nucleotide polymorphism for personalized medicine.	Dept. of Biotechnology, Gulbarga University, Gulbarga	Self	20 th - 21 st March 2012
4	“Biosynthesis and antimicrobial studies of silver nanoparticles”	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
5	“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.

6. Publications: Books/Research Papers/Articles

Sr. No.	Title with Page Nos.	National/ International Journal	Volume & Issue	Year	ISSN No.	Citations	Impact Factor
1	Antifungal attributes of siderophore produced by the <i>Pseudomonas aeruginosa</i> JAS-25, pp418-424	Journal of Basic Microbiology (WILEY)	54 (5)	2014	1521-4028	23	1.823
2	Isolation and characterization of extreme halophilic bacterium <i>Salinicoccus</i> sp. JAS4 producing extra cellular hydrolytic enzymes pp 46 - 49	Recent Research in Science and Technology	4(4)	2012	2076 - 5061	22	----
3	Siderophore as a potential plant growth-promoting agent produced by <i>Pseudomonas aeruginosa</i> JAS – 25.	Appl Biochem Biotechnol (SPRINGER)	174(1)	2014	0273-2289	17	2.140
4	<i>In silico</i> drug design for <i>Staphylococcus aureus</i> and development of host-pathogen interaction network. pp 58-70	Informatics in Medicine Unlocked (ELSEVIER)	10()	2018	2352-9148	07	1.093
5	Screening of extracellular hydrolytic enzymes from <i>Marinobacter hydrocarbonoclasticus</i> strain AK5, pp 97 - 99	The Boiscan	5(1)	2010	0973-7049	09	--
6	<i>In silico</i> analysis of clumping factors ClfA and ClfB of multidrug-resistant <i>Staphylococcus aureus</i> MRSA 252 strain. Pp1103-1110	International Journal of Advanced Biotechnology and Research	7(3)	2016	2319 - 7064	03	2.41
7	<i>In silico</i> analysis of PtpA – an antigenic protein of <i>Mycobacterium tuberculosis</i> pp 23 - 26	Recent Research in Science and Technology	4(7)	2012	2076 - 5061	02	---

8	Culturable diversity of extremely halophilic bacteria from west coast of Karnataka, India. pp391 - 405	International Journal of Biology, Pharmacy and Allied Science	2(2)	2013	2277 - 4998	04	0.812
9	<i>In silico</i> characterization of GImU antigenic <i>Mycobacterium tuberculosis</i> protein. Pp 1493-1499	International Journal of Pharmaceutical Science and Research	5(4)	2014	2320 - 5148	03	2.44
10	Influence of heavy metals tolerance and antibiotic resistance in pattern in <i>Halomonas organivorans</i> pp364 - 372	International Journal of Current Research and Academic Review	3(10)	2015	2347 - 3215	01	2.519
11	<i>In silico</i> identification and sequence annotation of potential vaccine candidate in <i>Neisseria gonorrhoeae</i> . pp404 - 414	International Journal of Advanced Biotechnology and Research	4(3)	2013	0976 - 2612	01	2.41
12	Sequence analysis and antigenic prediction of alpha and beta Neurotoxin on Scorpion.	Solapur University Research Journal	2	2012	2319-2410	01	--
13	<i>In silico</i> vaccine designing for <i>Mycobacterium tuberculosis</i> using reverse vaccinology. pp578 - 585	International Journal of Advanced Biotechnology and Research	4(4)	2013	0976 - 2612	--	2.41
14	<i>In silico</i> structure and function analysis of drug and vaccine candidate for <i>Streptococcus pneumonia</i> . pp210 - 214	International Journal of Advanced Bioinformatics Applications and Research	5(3)	2014	278 - 6007	--	1.65
15	<i>In silico</i> characterization of Endotoxin: A future drug target for <i>Neisseria meningitidis</i> . pp7 - 11	International Journal of Advanced Biotechnology and Research	6(1)	2015	0976 - 2612	--	2.41
16	Designing and development of potent drug inhibitor to MMP12 in COPD disease. pp77 - 83	International Journal of Advanced Bioinformatics Applications and Research	6(3)	2015	2278 - 6007	--	1.65
17	<i>In silico</i> sequence analysis and homology modeling of dihydropteroate synthase in <i>Pneumocystis pneumonia</i> . pp666-670.	International Journal of Innovative Science , Engineering & Technology	2(10)	2015	2348 - 7968	--	4.332
18	Molecular insight of Halophilic isolates for the production potential biomolecules under stress condition pp849 - 857	International Journal of Current Microbiology and Applied Science	4(11)	2015	2319 - 7706	--	2.937

19	Development of software tool for prediction of signal peptide sand promoter region motifs in defense responsive Subtilisin-like protein of Glycine max (Soyabean). pp547 -551	International Journal of Advanced Biotechnology and Research	6(4)	2015	0976 - 2612	--	2.41
20	<i>In silico</i> characterization and docking of α -conotoxin Mr1.7a from <i>Conus marmoreus</i> targeting neuronal nAChR $\alpha 3\beta 2$. Pp 1016-1019	International Journal of Science and Research	5(2)	2016	2319 - 7064	--	7.426
21	<i>In Silico</i> vaccine design for multidrug-resistant <i>Staphylococcus aureus</i> clumping factor A (ClfA).pp 1311-1316	International Journal on Recent and Innovation Trends in Computing and Communication	5(6)	2017	2321-8169	--	5.837
22	A new organic solvent <i>Marinobacter litoris</i> strain AKT1 produced organic solvent stable esterase, pp 62-65	Research & Review in BioSciences	4(1)	2010	0974 - 7532	--	1.44
23	Enhancement of Lipase production from <i>Pseudomonas</i> sp. by induced mutation, pp49-52	Research Journal of Biotechnology	7(1)	2012	E-ISSN 2278-4535	--	0.279
Total						93	48.428

Total Citations= 93, h- index= 05, i10- index= 03

7. Book Chapters published

Sr. No	Title with page No.	Publisher	National/ International	ISBN	Date
1	European nano knowledge that led to Faraday's understanding of gold nanoparticles. pp- 141-198	Scrivener Publishing, Wiley	International	9781119460589	7 Mar 2019
2	History of Nanotechnology From Pre-Historic to Modern Times. pp- 215-261	Scrivener Publishing, Wiley	International	9781119460589	7 Mar 2019

8. Patents Filed

Sr. No	Title with page No.	National/ International	CBR Number	Date
1	Production of Bioplastic	National	8769	12/04/2019

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

Sr. No	University Work
1	Member of Syllabus subcommittee of M.Sc. I & II Biotechnology and at Solapur University, Solapur.
2	Member of Syllabus subcommittee of M. Sc. I & II Bioinformatics at Solapur University, Solapur.
	Member of Syllabus subcommittee of B.Sc. I Biotechnology and Bioinformatics at Solapur University, Solapur
4	Paper Setter of B.Sc. Biotechnology at Solapur University, Solapur
5	Paper Setter of M.Sc. Biotechnology and Bioinformatics at Solapur
6	Practical Examiner of M.Sc. Biotechnology of Solapur University, Solapur
7	Practical Examiner of M.Sc. Bioinformatics of Solapur University, Solapur
8	Worked as an examiner for theory paper assessment of M. Sc. Biotechnology and Bioinformatics part-I and Part-II of Solapur University, Solapur.
9	Appointed as a BOE chairman for theory and practical exam of M. Sc., Bioinformatics Part-I & II, Solapur University, Solapur from Oct./Nov.-2013 to April/May-2017.
10	Appointed as a BOE chairman for theory and practical exam of M. Sc., Biotechnology Part-I & II, Solapur University, Solapur from Oct./Nov.-2018 to April/May-2020.
11	Appointed as a BOS chairman M. Sc., Bioinformatics Part-I & II, Solapur University, Solapur from 2018-2019.

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

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

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

Sr. No.	Event	Nature of Contribution	Agency
1	UGC sponsored two days state level seminar on "Application of computer in Biological sciences", on 22 nd and 23 rd December 2011.	Resource person	Karmaveer Bhaurao College, Pandharpur, Solapur District
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.
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.
4	National seminar on Life Science Technologies changing Life style.	Session Chaired	V. G. Shivdare College of Arts, Commerce & Science, Solapur.

5	“Down Stream Process” Biotechnology Skill Enhancement Program (BiSEP) on 10 th January 2020.	Resource person	Karnataka Biotechnology and Information Technology Services (KBITS). Govt. of Karnataka.
6	“Hands on training Drug Discovery & Drug Design” in One day state level workshop on 6 th February 2020.	Resource person	Yeshwantrao Chavan Mahavidyalaya, Tuljapur
	“Intellectual Property Rights: Patent filing Procedure in India” in One day seminar-cum-workshop on 8 th February 2020	Resource person	Walchand College of Arts and Science, Solapur and Sponsored by PAH Solapur University, Solapur.
	“Scope and Applications of Biotechnology” in State Level one day Seminar cum workshop on “Modern trends in Science & Technology” on 10 th February 2020.	Resource person	Madansinh Mohite-Patil Science Mahavidyalaya, Mangalwedha.
	“Tools and Techniques of Bioinformatics” on 18 th February 2020.	Resource person	Basaveshwar Science College, Bagalkot

12. FACULTY DEVELOPMENT PROGRAMME (FDP)

Successfully completed Two Weeks Faculty Development Programme on **"Managing Online Classes and Co-Creating Moocs"** from April 20 - May 06, 2020. Sponsored by **Govt. of India, MHRD**, organized by Ramanujan College, University of Delhi.

Name: Dr. Anil Kumar S. Katti

Place: Solapur

Date: 19/06/2020

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Signature