

Curriculum Vitae



Vinod P. S.

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OBJECTIVE: Seeking for challenging opportunity and position, so as to utilize my technical knowledge & research experience to accomplish the goal of an Organization. Willing to work as a key player in challenging & creative environment.

PROFESSIONAL EXPERIENCE:

- Presently working as Assistant Professor and Head, Dept. of PG Studies and Research in Bioinformatics, Walchand Centre for Biotechnology, Solapur (Since Sep. 2009).
- Successfully completed a six month **Biotech Industrial Training Program, organized by Biotech Consortium India Ltd. (BCIL)** sponsored by **Dept. of Biotechnology, Govt. of India**, from Nov 2008 to May 2009, at **Simbiosys- Biowares, India, Pvt., Ltd., Bangalore.**
- Worked as Guest Faculty (for **Enzymology, Bioinformatics, Biophysical and Biochemical techniques**) for **Vishweshwariah College of UG, PG Studies and Research in Biotechnology, Gulbarga**, during Jan to Nov 2008 & May to Sep 2009.

EDUCATIONAL QUALIFICATION:

- **Ph.D** (pursuing) title “**Characterization, Purification and *In-silico* analysis of Biopolymers from halophiles**” under the guidance of Dr. M B Sulochana, Associate Professor in Dept. of PG studies and research in Biotechnology, Gulbarga University, Kalaburagi.
- **M.Sc. Biotechnology (with an aggregate of 74.00%)** from Gulbarga University, Kalaburagi in June 2008(awarded **5th Rank** for the University).
- **B.Sc. (Biotechnology)** with **86 %** in April 2006 from Gulbarga University, Kalaburagi (awarded **10th Rank** for the University).

ACTIVITIES INVOLVED:

- Actively engaged in research, principal investigator for UGC minor research project entitled “Isolation, screening and efficacy studies of anti-venom compounds from plants”.
- Project Supervisor for M.Sc. (Biotechnology & Bioinformatics) students.
- Member of BOS subcommittee for M.Sc. Biotechnology & Bioinformatics, Solapur University, Solapur.
- Examiner for M.Sc. Bioinformatics, Biotechnology and Genetics (paper setting, practical examinations and paper assessment), Solapur University, Solapur.
- Visiting faculty for Dept. of Bioinformatics, Dept. of Microbiology, Gulbarga University, Gulbarga and Dept. of PG Studies and Research in Biotechnology, Vishweshwariah college of Applied Sciences, Gulbarga.
- Resource person for Career Oriented Course “Hands on Instrumentation” for PG students, Walchand College of Arts and science, Solapur.

MEMBERSHIPS:

- Life member of Biotech Research Society of India (BRSI), National Institute for Interdisciplinary Science and Technology (CSIR), Trivandrum, Since Jan 2007.
- Member of Association of Food Scientists and Technologists (AFSTI), Central Food Technological Research Institute (CFTRI), Mysore, Since December 2006.

PROJECTS:

Industrial:

- **Title:** “*Invitro* efficacy studies for anti-ageing compounds”
Duration: Nov 2008 to May 2009.
Place: Simbiosys Biowares India Pvt. Ltd, ITPL, Bangalore.
Guide: Dr.Yashin Srinivasan, Asst. Director (R&D), Simbiosys Biowares India Pvt. Ltd.

Academic:

- **Title:** “Isolation and Characterization of Extracellular Esterase from Extreme Halotolerant Bacteria”.
Duration: August 2007 to June 2008
Place: Dept. of PG Studies and Research in Biotechnology, Gulbarga University, Gulbarga.
Guide: Dr. Mrs. M B Sulochana, Associate Professor, Dept. of PG Studies and Research in Biotechnology, Gulbarga University, Gulbarga.

- **Title:** “Molecular cloning, Sequencing and characterization of Human GAPDH Gene”
Duration: March – April 2006.
Place: Genesis Education and research foundation (BioServe Biotechnologies India Pvt.Ltd.), Genome Valley, Hyderabad.
Guide: Dr. Utpal Bhadra, Former Deputy. Director, CCMB, Hyderabad.

PARTICIPATIONS AND PRESENTATIONS:

- Participated and presented paper entitled “***In-silico* molecular characterization of PvDBP involved in Malaria**” during the National conference on Microbial technology for sustainable development, organized by Department of Microbiology, DBF Dayanand college of Arts & Science, Solapur. (2nd Feb, 2018).
- Participated and presented paper entitled “**Screening of Halophiles for the production of Polyhydroxy Butyrate (PHB)**” during the International conference on Advances in Disease management for Human welfare, organized by Department of Microbiology, Gulbarga University, Kalaburagi. (Nov 2017).
- Participated and presented papers entitled “**Screening of Halophiles for the production of Biopolymers**” & “***In-silico* characterization of Apitoxins**” during the International conference on Chemical, Materials and Bio-Sciences for the sustainable Development (ICCMBSD-2015), organized by Walchand College of Arts and Science, Solapur. (Jan 2015).
- Participated in two days International conference on “**Drugs for Future – Infectious Diseases (DFID-2014)**” organized by National Institute for Pharmaceutical Education and Research (NIPER), Hyderabad. (26th to 28th Mar 2014).
- Participated in two days National conference on “**Recent Trends in Emerging Infectious Diseases and Environmental Pollution**” organized by Dept. of Zoology, DBF Dayanand college, Solapur, Maharashtra. (Jan 2013).
- Participated in two days state level seminar on “**Applications of computers in life sciences**”, organized by Dept. of Zoology & Botany, KBP College, Pandharpur, Maharashtra. (Feb 2012).
- Participated and presented paper on “**Biosynthesis and antimicrobial studies of silver nanoparticles**” during the National conference on Nano Materials and Applications (NAMA-11), by Dept. of Chemistry, Walchand college of Arts and Science, Solapur. (Jan 2011)
- Participated in One day workshop on “**Practical aspects in Biotechnology**”, at Walchand Center for Biotechnology, Solapur. (Jan 2010)

- Participated in Seminar on “**Nano Science and Technology – Curriculum Development**”, Gulbarga University, Gulbarga (11th April 2008).
- Participated in National Symposium on “**Recent Trends in Reproductive Health Research**”, at Indian Society for the Study of Reproduction and Fertility (**ISSRF**) (20th to 22nd Feb 2008), CCMB, Hyderabad.
- Participated and presented a paper on “**Screening of Noval Esterase from Halophilic Microorganisms**”. During the National Conference on Biotechnology for Industrial and Rural Development (**NCBIRD – 2008**) by Dept. of Biotechnology, Gulbarga University, Gulbarga. (17th - 19th Jan 2008).
- Participated and presented a paper on “**Invitro Antifungal Activity studies of *Casita tora* against phytopathogenic fungi**” during the National Conference on Medical and Aromatic plants by Dept. of Botany, Gulbarga University, Gulbarga. (10th – 12th Dec 2007).
- Participated and presented a paper on “**Molecular Cloning Sequencing and characterization of Human G- 6 – PD Gene**” during International Conference on New Horizons in Biotechnology (**NHBT – 2007**) by **BRSI and NIIST, CSIR**, Trivandrum (26th – 29th Nov. 2007).
- Participated in One Day Awareness Program on “**Biodiversity Related Issues and People’s Register**”, by Dept. of Biotechnology, Gulbarga University, Gulbarga (21st Sept. 2007).
- Participated in One Day Seminar on “**Genomics and Biotherapy**”, at Vishweshwariah College of Applied Sciences, Gulbarga. (19th Apr. 2007).
- Participated and presented a paper on “**Molecular Cloning, Sequencing and Characterization of Human GAPDH Gene**”, at International Conference on Exploring Horizons in Biotechnology: A Global Venture, by **BRSI and BRD** School of Biosciences, Sardar Patel University, V. V. Nagar, Gujarat (2nd – 4th Nov. 2006).
- Participated in National Symposium on “**Frontier Areas in Genomics and Clinical Research**” (**Jnanarjana – 2006**), by The Oxford Educational Institutions, Bangalore. (9th and 10th March 2006).
- Participated in workshop on “**Intellectual Property Rights**” by Dept. of Laws, Gulbarga University, Gulbarga and National Law School of India University (**NLSIU**), Bangalore (31st Mar – 1st Apr, 2005).
- Participated in Two Days Introductory course in “**Bioinformatics and Biotechnology**”, by Institute of Bioinformatics and Applied Biotechnology (**IBAB**), Bangalore (2nd and 3rd October 2004).

Publications:

Sr.No.	Title of the Paper	Name of Journal	ISSN NO.	Impact Factor
1	Molecular Characterization of human KRAS protein using Bioinformatics tools	International Journal of Scientific Research in Science and Technology (IJSRST), 4(5) 1093-1098.	2395-6011	5.327
2	In-Silico Molecular Characterization of PvDBP Involved in Malaria	International Journal of Scientific Research in Science and Technology (IJSRST), 4(5) 444-450.	2395-6011	5.327
3	In-Silico Molecular Characterization of MST1 Protein	International Journal of Scientific Research in Science and Technology (IJSRST), 4(2) 542-546.	2395-6011	5.327
4	<i>In-silico</i> Structural and Functional Characterization of α -bungarotoxin	International Journal of Science and Research (IJSR), 7(1) 2054-2056.	2319-7064	6.391
5	Designing Natural Agonists For Thyroid Hormone Receptor Alfa-1	International Journal of Pharmaceutical Sciences and Research. IJPSR 8(8) 3421-3426.	2320-5148	0.59
6	<i>In-Silico</i> Molecular Characterization of Human TSH β Subunit Protein	International Journal of Science and Research (IJSR), 6(1) 2017, 1786-89.	2319-7064	6.391
7	Structural annotation homology modeling of protein kinase 6 (PfPK6) from <i>Plasmodium falciparum</i>	International Journal of Research in Science and Technology (IJRST) 3(I), 2017, 248-251	2395-6011	1.92
8	Screening And Identification Of Novel Inhibitor For Il-1 β Involved In Coronary Artery Disease	International Journal of Research in Science and Technology (IJRST) 6(II) 2016, 189-197.	2249-0604	1.92
9	<i>In-silico</i> analysis and homology modeling of snake venom metalloproteinase	European Journal of Biotechnology and Bioscience, 4(3) 2016, 12-15.	2321-9122	5.44
10	Molecular characterization and screening of halophiles for the production of biopolymers	European Journal of Biotechnology and Bioscience, 4(2) 2016, 32-36.	2321-9122	5.44

11	<i>In-Silico</i> Characterization of Apitoxin- Melittin	European Journal of Biotechnology and Bioscience, 4(1) 2016, 08-10.	2321-9122	5.44
12	Homology modeling and binding site prediction of Vp30 protein involved in ebola virus	International Journal of Current Research, 7(12), 2015, 23947-23950.	0975-833X	6.22
13	Designing New Scaffold against Estrogen Receptor to Inhibit in Breast Cancer	Journal of Advanced Bioinformatics Applications and Research, 6(4) 2015, 84-91.	0976-2604	4.84
14	In Silico Sequence Analysis and Homology Modeling of Dihydropteroate Synthase in Pneumocystis Pneumonia	International Journal of Innovative Science, Engineering & Technology, 2(10) 2015, 666-670.	2348 – 7968	4.33
15	Designing and Development of Potent Drug Inhibitor to MMP12 in COPD	Journal of Advanced Bioinformatics Applications and Research, 6(3) 2015, 77-83.	0976-2604	4.84
16	In silico characterization of structural and functional elements of PLA-2	Golden Research Thoughts, 2(12) 2013, 2-19.	2231-5063	3.4
17	Sequence analysis and antigenic prediction of alpha and beta Neurotoxin in Scorpion	Avishkar – Solapur University Research Journal, 2, 2012, 50 – 55.	2319-2410	—

Papers presented as Co-author:

- Title:** “*In-silico* characterization and molecular phylogenetics of snake venom toxins”.

Conference: National conference on frontier areas in life sciences, Baramati, MH.

Achievement: Student received Gold medal for the best paper award.
- Title:** “Sequence annotation and molecular docking studies of P53”

Conference: National conference on Lifesciences, Solapur, MH

Achievement: Student received Young scientist award for the best paper presentation.
- Title:** “Biosynthesis and antimicrobial studies of silver nanoparticles”

Conference: National conference on Nanomaterials and its applications, Solapur, MH

Achievement: Student received best paper presentation award.

- **Title:** “Sequence annotation and homology modeling of EIF2A”
Conference: National conference on Life sciences, Solapur, MH
- **Title:** “Sequence analysis and prediction of antigenicity for alpha and beta neurotoxin in scorpion”
Conference: National conference on Recent trends in life sciences, Karad, MH.
- **Title:** “Structure based diversity studies of PLA2: A potent snake venom neurotoxin”
Conference: National conference on Recent trends in life sciences, Karad, MH.
- **Title:** “*In-silico* structural analysis of PLA2”
Conference: National symposium on Accelerating Biology 2013, C-DAC, Pune.
- **Title:** “Soft computing in Bioinformatics”
Conference: National conference on Computer communication & Information Technology 2013, Sinhad Institute, Pune.
- **Title:** “Analysis of SNP for personalized medicine”
Conference: National conference on Biotechnology for Industrial & Rural development 2013, Dept. of Biotechnology, Gulbarga University, Gulbarga.
- **Title:** “Screening of Halophiles for the production of Biopolymers”
Conference: International conference on Chemical, Materials and Bio-Sciences for the sustainable Development (ICCMBSD-2015), Walchand College of Arts and Science, Solapur.
- **Title:** “*In-silico* characterization of Apitoxins”
Conference: International conference on Chemical, Materials and Bio-Sciences for the sustainable Development (ICCMBSD-2015), Walchand College of Arts and Science, Solapur.

Administrative positions:

- Head, Dept. of PG Studies & Research in Bioinformatics, Walchand Centre for Biotechnology, Solapur.
- In-charge, Research & Industrial collaborations, Walchand Centre for Biotechnology, Solapur.
- In-charge, Placement cell, Walchand Centre for Biotechnology, Solapur.
- Organizing secretary & Resource person for hands on workshop “Advanced techniques for Basic sciences” for B.Sc. TY students.
- Organizing secretary & Resource person for hands on workshop “Molecular Biotechnology & Bioinformatics and their emerging dimensions” for B.Sc. TY students.

Techniques Known: Genetic engineering, Protein Purification, Enzyme technology, Bioinformatics, Biochemistry, Nano-Biotechnology, Microbial technology, Plant Biotechnology, etc.

Area of Specialization: Protein Molecular biology & Structural Bioinformatics.

Special Qualities:

- Good administrative and leadership qualities.
- Experienced with organization and management of various scientific events.
- Good research experience with technical skills and problem solving ability.

PERSONAL DETAILS:

Father's Name: Sri. Prakash Rao. R. Sinoorkar.

Address: H. No: 10 – 2/16,
“Krishna Nivas”,
Sangameshwar Colony,
Gulbarga – 585103,
Karnataka

REFERENCE: Prof.G.R.Naik

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Dept of Biotechnology
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E-mail: mbsulochana@rediffmail.com

Declaration:

I here by declare that the above mentioned details are true to the best of my knowledge and honesty.

Date : 13/08/2018

Place : Solapur

(Vinod P Sinoorkar)