


CURRICULUM VITAE

	<p>Name: PRADEEP .S</p> <p>Designation: Assistant Professor</p> <p>Qualification: B.E. ,M.Tech, (Ph.D)</p> <p>Email-id: pradeeps.bt@bmsce.ac.in</p> <p>Experience: 14 years</p> <p>Teaching experience: 13 years</p> <p>Date of Joining this Institution (BMSCE): 29th July 2010</p> <p><u>Research Interests:</u></p> <ol style="list-style-type: none"> 1. Systems Biology. 2. Molecular modeling and Insilico drug discovery. 3. Phytochemical extraction, purification and analysis. 4. Genomic and proteomics analysis. 5. Invitro an insilco screening and analysis.
<p>About Your self</p>	<p>I am working as Assistant Professor in Department of Biotechnology, BMS College of Engineering. I constantly focus on professional development to help update my knowledge and advance my skills as expert practitioner. I desired to have a good balance between teaching and research to become an innovative teacher and a researcher.</p>
<p>Education</p>	<p>Doctoral Research: (Ph. D. IIT Bombay)</p> <p>Masters: M. tech in Bioinformatics</p> <p>Bachelors: B.E. in Biotechnology</p> <p>Other Degree/Diploma/PG diploma if any: NIL</p>
<p>Professional Experience</p>	<ul style="list-style-type: none"> • At present perusing Ph.D. in Chemical Engineering, IIT Bombay. • Currently working as an Assistant Professor in Biotechnology department, at BMSCE, Bangalore since from July 2010 to till date • Worked as a Lecturer in Biotechnology department, at NCET, Bangalore since from Aug 2009 to July 2010 • Worked as a Product manager at SRG Medical specialties Private Ltd since from Sept 2006 to April 2007
<p>Webpage</p>	<p>https://www.researchgate.net/profile/Pradeep_Shashi</p> <p>https://padees.wordpress.com/</p>

Publications

1. Suchetha Muniraju, S. Pradeep, Chandraprasad Madihalli, J. P. Shabaaz Begum, K. J. Thara Saraswathi Nanostructured silica particles from *Cymbopogon flexuosus* (Nees ex Steud.): extraction, characterization and study of their blend with osteoporotic drugs SN Appl. Sci. 2, 2179 (2020). <https://doi.org/10.1007/s42452-020-03952-z>
2. Rakesh, N.R., Gurumurthy, H., Pradeep, H.K., ...Gurumurthy, D.M., Sachin, C.L. In-Silico Pharmacological and Molecular Docking Studies of Natural Inhibitors form *Musa Spp.* On Vaca Gene a Vacuolating Cytotoxin Autotransporter. International Conference on Computational Engineering and Material Science, Volume 925, Issue 1, 13 October 2020 Article number 012051, ICCEMS 2020, 17 July 2020 - 18 July 2020
3. Pradeep. S, K. J. Thara Saraswathi, Chandra Babu. C. K, Ankita. M. N, Namratha. B. G, Suchetha. M. **Effect of shock treatment on Cymbopogon – Role in Biomaterial** International symposium on Functional Materials-2018: Energy and Biomedical Applications held on 13-15 April,2018 at Chandigarh
4. Pradeep. S, K. J. Thara Saraswathi, Chandra Babu. C. K, Ankita. M. N, Namratha. B. G, Suchetha. **Studies on Si Nanoparticles from Cymbopogon flexuosus - Role in Herbal Tea – Application in Tissue engineering** International symposium on Functional Materials-2018: Energy and Biomedical Applications held on 13-15 April,2018 at Chandigarh.
5. Midhun Manohar, Nihal Kulkarni, Pradeep .S: Mapping the Resistance Potential of Influenza's H + Channel Using an AntiViral Blocker. International Journal of Fundamental & Applied Sciences Volume 6 Issue 4, 31-33
6. Anushree Jai Kumar, Deeshani Laxmesh Salian, Pradeep S: In-silico discovery of potential anti-malarial drugs targeting pfATP6 using Artemisinin as a model. International Journal of Fundamental & Applied Sciences Volume 6 Issue 3, 16-19
7. Hadagali Ashoka*, Prashanth Hegde, Manasa K. H., Chandraprasad Madihalli, Pradeep S. and Ashok Kumar Shettihalli: Isolation and Detection of Vinca Alkaloids from Endophytes isolated from *Catharanthus Roseus*. European Journal of Biomedical and Pharmaceutical sciences Volume 4, Issue 10, 2017, 675-683
8. Piyusha Kalwad, Ranjitha Guttapadu and Pradeep S*: Finding a possible biomarker to tackle Parkinson's disease by splice analysis and random point mutations to counter the expression of genes involved in Parkinson's disease. International Journal of Applied Sciences and Biotechnology Vol 5 Issue 3, 2017, 336-344
9. Rachana D S, Jayashree G and Pradeep S*: Computational Analysis of Protein-Protein Interactions of G Protein Coupled Receptors. International Journal of Fundamental & Applied Sciences Vol 6, Issue 2, 2017, Pg. No. 14-18
10. Arthy Narayanan, B.V. Sai Sinduri and Pradeep S*: Counteracting Congenital Cataract. International Journal of Applied Sciences and Biotechnology. Vol 5, Issue 2, June 2017

	<ol style="list-style-type: none"> 11. Adhithi Venkatesh, Aishwarya.V.A. Sasty, Anish Raju and Pradeep. S*: In-silico Drug Discovery approach to Cancer. International Journal of Graduate Research and Reviews. Vol 3, Issue 2, June 2017. 12. Pradeep .S, P. Lakshminarayana, Varsha .R and Shriya .K. Kota: SCREENING OF ADULTERANTS IN MILK. International journal of current research and reviews. Vol 8 Issue 12 June 2016 13. Pradeep .S, G. N. Rameshaiah and Hadagali Ashoka: CAFFEINE EXTRACTION AND CHARACTERIZATION. International journal of current research and reviews. Vol 7 • Issue 9 • May 2015 14. Vidhya Y.J, Pradeep S and Rajyalakshmi M: Insilico Interaction of Sumo1 and Conjugating Enzyme UBC9 with Cyclodiene. International Journal Of Pure & Applied Bioscience, December, 2014 , Pg no.249-257 15. Rameshaiah GN, Aakash B, Ajay Vijendra, HarshithUras NR, Ameya Krishna B, Harsha B, Pradeep S: Green Distillation Using Solar Still. Discovery Science, Volume 9, Number 19, April 1, 2014 16. Neelam Jain, Sanjana M Bhat, Teesta V katte, Avnish Bhatrai, Sahana Rao, Pradeep S, Savithri Bhat: Creation And Designing Of PENN Database For Natural Molecules Effective Against Age Related Disorders.Vedic Research International Bioinformatics and proteomics. Volume 2, Issue 1, January 2014 17. Sahana Rao, Teesta V Katte, Avnish bhatrai , Pradeep S and Savithri Bhat, Screening and characterization of molecules from Withania somnifera for Neurological Disorders, International conf. on Bioavailability and Bioequivalence(Pharmaceuticals) 3rd World Congress on BABE, Hyderabad 26-28 March 2012 18. Rakesh NR and Pradeep .S: Comparative genomic studies and Insilco strategies on Leishmania brazilensis, leishmania infantum and leishmania Major: conserved features, putative functions and potential Drug target. International Journal of Applied Sciences and Biotechnology June 2013, Vol. 1, Issue. 2 19. S Patel, N Venugopalan, S Pradeep. <i>Screening For Antimicrobial Activity Of Weeds</i>. The Internet Journal of Microbiology. 2006 Volume 4 Number 1.
	<ol style="list-style-type: none"> 1. Pradeep. S, Rakesh NR presented a paper entitled "In-silico pharmacological and molecular docking studies of natural inhibitors form musa on vacA gene _ vacuolating cytotoxin autotransporter " in an International Conference on Computational Engineering and Material Science-ICCEMS-2020 on 1-18 July 2020 and the same has been awarded as the best paper. 2. Pradeep. S, K. J. Thara Saraswathi, Chandra Babu. C. K, Ankita. M. N, Namratha. B. G, Suchetha. M. Effect of shock treatment on Cymbopogon – Role in Biomaterial International symposium on Functional Materials-2018: Energy and Biomedical Applications held on 13-15 April,2018 at Chandigarh 3. Pradeep. S, K. J. Thara Saraswathi, Chandra Babu. C. K, Ankita. M. N, Namratha. B. G, Suchetha. Studies on Si Nanoparticles from Cymbopogon flexuosus - Role in Herbal Tea – Application in Tissue engineering International symposium on Functional

	<p>Materials-2018: Energy and Biomedical Applications held on 13-15 April,2018 at Chandigarh.</p> <ol style="list-style-type: none"> 4. Pradeep.S, Keerthi Sundar M Pinchi, Abhishek, Nikhil B.V Screening of Potential “HIV - Reverse Transcriptase Inhibitors” by Docking analysis. BioChess-2018 on 20th March 2018 at SIT, Tumakuru. 5. Pradeep. S and Hadagali Ashoka SCREENING AND EVALUATION OF ANTIMITOTIC DRUGS One Day National Symposium on Fundamentals of Drug Discovery Process: Industrial Perspective [FUNDIP-2016] held on 5th August 2016. 6. Hadagali Ashoka, Pradeep. S and Ashok Kumar .S Production of red pigment by submerged culture of <i>Serratia marcesens</i> 7th International Congress of Environmental Research on26-28 December, 2014 7. Pradeep. S and Hadagali Ashoka Microbial Fuel Cells for Waste Water Treatment and Energy Production ITC 2014 held on 21-22 Aug 2014 at NIMHANS convention centre, Bangalore. 8. Pradeep S , Sahana Rao, Teesta V Katte, Avnish bhatrai , and Savithri Bhat, Screening and characterization of molecules from <i>Withania somnifera</i> for Neurological Disorders, <i>International conf. on Bioavailability and Bioequivalence(Pharmaceuticals)</i> 3rd World Congress on BABE, Hyderabad 26-28 March 2012 9. Pradeep S and Hadagali Ashoka. Invitro and Insilico screening & Evaluation of antimitotic drugs. <i>State level Conference on “Mesmerizing Fields of Biotechnology</i> 8-9 April 2011SDM College, Ujire, Karnataka 10. Pradeep S Comparative genomics and Insilico strategies on Leishmania. New frontiers in Biotechnology. Adhiyaman college of Engg, Hosur, Tamilnadu. 24-25 August 2011 11. Pradeep S Caffiene extraction & characterization. New frontiers in Biotechnology. Adhiyaman college of Engg, Hosur, Tamilnadu. 24-25 August 2011 12. Pradeep S, Pooja Ranka and Megha Gajendra In-silico designing and Docking Analysis On Insulin-like Growth Factor 1 Receptor. <i>BIOCARNIVAL2012</i> at oxford college of Engineering, 16th -17th Feb 2012 13. Pradeep S ,Nayela Zeba, Nelma Ester Lewis and Saisha Vinjamuri , Third prize in paper presentation, “”<i>Screening for anti-mitotic agents (chalcones) from Plant sources</i>” “BIOCADENCE” Fourth National Level Symposium at KLESCET, Belgaum on 30th & 31st March, 2012. 14. SYMBIOT’12 - National level technical Fest at Manipal Institute of Technology on April 14th - 15th, 2012. “Nanomedicines”. 15. BIO-CHESS 2012 at Siddaganga Institute of Technology, Tumkur on 10th November, 2012. “Fecal Microbiota Transplantation”
Courses Handled/List	<ol style="list-style-type: none"> 1. Bioinformatics 2. Basics of Computer Applications

	<ol style="list-style-type: none"> 3. Bioprocess Technology 4. Pharmaceutical Biotechnology 5. Biology for Engineers 6. Bioprocess Equipment design and CAED 7. Clinical Data Management 8. Microarray Technology 9. Biosensors and Bioinstrumentation 10. Process Engineering Thermodynamics 11. Human Physiology 12. Unit Operations
	<p>Additional Responsibilities</p> <ol style="list-style-type: none"> 1. DPC member , Dept. of BT 2. BOE member. Dept. of BT 3. Feedback Coordinator, Dept. of BT 4. AICTE coordinator, Dept. of BT 5. Industrial visit coordinator, Dept. of BT 6. Programme officer, Youth Red cross(YRC) unit, BMSCE 7. Evaluation coordinator, BMSCE
	<p>Other Information:</p> <p>Funded Projects:</p> <ol style="list-style-type: none"> 1. As a PI sanctioned an amount of Rs. 12,000/- for a project entitled “ Design and development of Chitosan-collagen scaffold from biowaste for liver cancer cell lines analysis” sanctioned under KSCST SPP. 2. As a co-investigator sanctioned an amount of Rs. 5,00,000/- for the polyhouse, aerophonics and IoT facility funded by TEQIP. 3. As a Principal-investigator sanctioned an amount of Rs. 75,196/- for the project “Applications of shockwaves to enhance the properties of value added compounds in Stevia plant” funded by TEQIP. 4. As a Principal-investigator sanctioned an amount of Rs. 1,25,000/- for the project “Optimization of procedures for extraction of Patchouli oil ” funded by TEQIP.

	<p>5. As a co-investigator sanctioned an amount of Rs. 1,50,000/- for the project “Production of high value products from shrimp waste by fermentation technology” funded under Faculty Research Promotion Scheme.</p> <p>6. As a co-investigator sanctioned an amount of Rs. 3,500/- for the project “Immobilization of glucose oxidase on silk fibroin membrane and its application in the development of biosensors” funded under KSCST.</p> <p>Professional Body member:</p> <ol style="list-style-type: none"> 1. Life member of Indian Society for Technical Education (ISTE) 2. Life member of Proteomics Society India(PSI) 3. Life member of Society of Biological Chemists (SBC) 4. Life member of Microbiologist Society of Indis (MSI) <p>Special Achievements:</p> <ol style="list-style-type: none"> 1. Best paper award for a paper entitled " In-silico pharmacological and molecular docking studies of natural inhibitors from musa on vacA gene _ vacuolating cytotoxin autotransporter " presented in an International Conference on Computational Engineering and Material Science-ICCEMS-2020 on 1-18 July 2020. 2. Received an “Award of Excellence” sponsored by SAP India Pvt. Ltd., in AICTE Approved Faculty development Programme on “Use of ICT in Education for Online and Blended Learning” conducted by IIT Bombay held under National Mission on Education(NME) through ICT (MHRD). 3. Faculty Teaching Associate of the two-week FDP on Pedagogy for Online and Blended Teaching-Learning Process.(FDP 201x) from 3rd May- 30th May,2018 conducted by IIT Bombay under MHRD 4. Faculty Teaching Associate of the two-week FDP on Foundation Program in ICT for education(FDP 101x) from 8th March-12th April,2018 conducted by IIT Bombay under MHRD
--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

5. **Mentor** of the two-week FDP on Pedagogy for Online and Blended Teaching-Learning Process.(FDP 201x) from 14th September – 12th October 2017 conducted by IIT Bombay under MHRD
6. **Mentor** of the two-week FDP on Foundation Program in ICT for education(FDP 101x) from 03rd August to 07th September 2017 conducted by IIT Bombay under MHRD

Workshops organised:

1. One week value added program on Soft Skills (R programming and Mat Lab) under DBT Star scheme conducted at B.M.S College of Engineering, Bangalore during 2nd Aug - 7th Aug 2018.
2. One day workshop on GENOME Informatics conducted at B.M.S College of Engineering, Bangalore on 6th Sept, 2017.
3. TEQIP-II Sponsored One Week Faculty Development Program on “Biomolecular Separation Techniques” (BMST) held on 27th Feb - 3rd Mar 2017
4. TEQIP-II sponsored one week Faculty Development program on “Proteomics and Drug Design” conducted at B.M.S College of Engineering, Bangalore, during July 22-26, 2014
5. Two week ISTE workshop on “Fluid Mechanics” conducted by IIT Kharagpur under the National Mission on Education through ICT (MHRD, Govt. of India), 20 - 30th May, 2014.
6. TEQIP-II sponsored one week Faculty Development program on “Biostatistics and Bio-modeling using Software Tools” conducted at B.M.S College of Engineering, Bangalore, during July 22-26, 2013.

Invited talks/Resource Person:

1. **26-27 Feb 2021:** Invited for an expert talk on Cell mechanics and Cancer in an International Conference on Cancer & Genetics: ISGCT 2021 held at St. Joseph college, Bangalore
2. **28th,30th and 31st March 2017 :** Invited as a resource person to deliver a lecture on “HPLC operations and analysis” in the TEQIP-II sponsored three days finishing school held at BMSCE, Bengaluru.

	<p>3. 27th Feb – 3rd March 2017 : Invited as a resource person to deliver a lecture on “Biomolecular Separation Techniques” in the one week FDP Sponsored TEQIP-II held at BMSCE, Bengaluru.</p> <p>4. 19th Jan, 2012: Invited as a resource person to deliver a lecture on “Insilco drug discovery” in national level workshop on Bioinformatics techniques in Drug design held at St. Joseph’s College, Bangalore.</p> <p>5. 11th Aug 2011: Invited as a resource person to deliver a lecture on “Emerging trends of Bioinformatics in Drug Discovery” at SIET, Tumkur.</p>
--	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Declaration: I hereby declare that all the information given above is true to the best of my ability and knowledge.

PRADEEP S

Assistant Professor

Dept. of Biotechnology

BMS College of Engineering, Bangalore-19