

Name	Dr. Saisha Vinjamuri			
Designation	Assistant Professor			
Date of Birth	18-06-76			
Teaching Experience	8 years			
Research experience	9 yrs (excluding PhD)			
Education (Post-Graduation onwards & Professional Career)				
Sl No.	Institution	Degree Awarded	Year	Field of Study
1.	Andhra University (Vishakhapatnam)	M.Sc. FCD	1996-98	Biochemistry
2.	Andhra University (Vishakhapatnam)	Ph.D.	2000-2004	Pharmaceutical Biotechnology
Position and Honors				
Position and Employment (Starting with the most recent employment)				
Sl No.	Institution	Position	From (Date)	To (date)
1.	BMS college of Engineering, Bangalore	Assistant Professor	31-7-09	Till date
Honors/Awards	<ul style="list-style-type: none"> ❖ Teaching assistant for IUCEE-MICROSOFT-IGIP International Engineering Educator Certification Program 2016-17 ❖ Microsoft Certified Educator 2016 ❖ IUCEE-MICROSOFT-IGIP International Engineering Educator certification Program 12 September, 2015 - 26 May, 2016 ❖ Judge for BIOMOD,2015 a biomolecular design competition by Wyss Institute, USA. ❖ Prof.Desaraju Venkata Rao Shastyabdhapurthi Endowment Prize gold medal for the best thesis, entitled' <i>Bio Production and Purification of the Medicinally Important Enzyme Urokinase from a Novel Kidney Cell Line</i>". (2004) Andhra University ❖ Senior research fellow CSIR (Council of Scientific and Industrial Research), India (2002-2004) ❖ Junior research fellow CSIR (Council of Scientific and Industrial Research), India (2000-2002) ❖ UGC Project Fellow in a research project entitled "Development of technical know how on the production of medicinally important enzyme Urokinase" sponsored by University Grants Commission (UGC), India (1998-2000) 			

	<p>Professional Body Membership</p> <ol style="list-style-type: none"> 1. BRSI,(Biotechnology Research Societyof India) Life member LM1411 2. NWSC,(National Women Science Congress) Life member 3. ISCA,(Indian Science congress Association) Life member L-21246 4. APCBEES (Asia-Pacific Chemical,Biological and Environmental Engineering Soceity.)- Senior Member 101183 5. IAARHIES <p>Lectures given as Resource Person</p> <ol style="list-style-type: none"> 1. Given guest lecture on “ANOVA” at TEQIP –II sponsored FDP on “Biostatistics-Statistical analysis through software tools” on 29th January,2013 at BMSCE ,B`lore 2. Given lectures in Structural Biology course as part of VTU EDUSAT program. Feb,Mar,Apr, 2013 3. Given guest lecture on DOE at Student Development Program on “Statistical Analysis of Biological Datasets”on 9th aug2013 at Sir MVIT,B`lore 4. “Given lecture and hands on training on “Pigment extraction & Column Chromatography” for the workshop entitled “Gene cloning and Separation Techniques” on19th & 20thAugust 2015. At BMS women college. 5. Given guest lecture on DOE at ISTE sponsored Student Development Program on “Effective Utilization of MS office tools for Project work and Report Writing 4-5th Feb 2016. 6. Given guest lecture on Activity Based learning &Harnessing the Power of Technology at TEQIP-II sponsored workshop on “Instructional Model For Outcome Based Education” 10th March, 2017 to 12th March, 2017 @ B.M.S.College of Engineering, Bangalore 			
<p>Details of patents filed</p>	<p>SNO</p>	<p>Title of the invention</p>	<p>Inventors</p>	<p>Status of the invention</p>
	1	Pharmaceutical compositions comprising geranial as ATPase inhibitors	V.Saisha & Roopa Gaonkar	Patent application NO. 4302/CHE/2014
	2	Development of DNA based targeted drug delivery system	V.Saisha ,Rajyalakshmi ,Harini S,HajiraTasneem,Pragun Acharya,Sneha r,PremShamsundar,Pavitra V	Provisional Patent application NO. 5409/CHE/2014
	3..	A novel photobioreactor for phototrophic microorganisms cultivation	V.Saisha & SweekrityK	Indian patent No. 25764/2016-CHE
<p>Funding:</p>		<p>Project Title</p>	<p>Amount</p>	<p>Duration</p>

		(Lakhs)	
1	Studies on the in-vitro propagation of <i>Exacum bicolor</i> . And evaluation of its bioactive compounds for treatment of cancer. Sanctioned under TEQIP-2	7.0	On going
2	Designing and constructing a photo bioreactor for the production of algal oil as a potential replacement for household fuel and transferring this technology to rural masses under Green Energy initiatives”Sanctioned under CIITDBNET	1.35	On going
3	Study on the role of chalcones as an inhibitor of the hedgehog pathway with special reference to SMO	1.35	On going
4	Bioaugmentation of cyclodiene contaminated agricultural soils sanctioned under FRPS ,BMSCE	1.0	completed
5	Removal Of Heavy Metals from Industrial Effluents using Immobilized <i>Chlorella Vulgaris</i> , KSCST student Project February 2012	0.08.	completed

Publication:	
<i>International Journals:</i>	
1.	P.Ellaiah ,K.Sambamurthy and V.Saisha (2003); “Influence of Plant Growth Regulators on UK Production by MPGN Patient Kidney Cells”, <i>Geobios</i> , 30:74-76
2.	P.Ellaiah, V.Saisha and B.Srinivasulu (2003) ; “Effect of Low Frequency AC Electric Fields on Urokinase Production By MPGN Cells ”, <i>Process Biochemistry</i> , 39:1-4
3.	P. Ellaiah, T. Prabhakar, G. Jaya Prakash,V.Saisha and V. Sreenivasulu (2003); “Quorum Sensing”, <i>International Journal of Biotechnology</i> ,5:170-185
4.	G.Adinarayana, M.Sunitha, J.Premkumar, V.Saisha and P.Ellaiah (2005) “A new variant of <i>Streptomyces Hawaiiensis</i> from marine sediment off Machilipatnam coast of Bay of Bengal ”. <i>Geobios</i> ,32:293-297
5.	Adinarayana.G, Bapiraju V.V.S.N. Kuruda ,Sujatha Peela,Premkumar Jangam, Saisha Vinjamuri,Ellaiah Poluri ,Axel Zeeck (2005). “1-Hydroxy-1-norresistomycin, a new cytotoxic compound from a marine actinomycete, <i>Streptomyces Chibaensis</i> AUB N 17 ” <i>J.Antibiot.</i> ,58:526-529.
6.	Kunamneni, A. Ravuri, B.D. Saisha, V. Ellaiah, P. Prabhakar, T (2008) . “ Urokinase-A Very Popular Cardiovascular Agent”., <i>Recent Patents</i>

	On Cardiovascular Drug Discovery .3; 1,:45-58.
7.	Kunamneni, A. Ravuri, B.D. Saisha, V. Ellaiah, P. Prabhakar, T (2008) . “ Urokinase –a strong plasminogen activator.”Biotechnology and Molecular Biology Reviews”. 3 (3),: 58–70
8.	SaishaV and Shashidhar S Bhavikattia Removal of Chromium (VI) from Synthetic Waste water using Immobilized Algae Praphulla Rao*, , International Journal of Current Engineering and Technology (2013) vol special edn.:157-160
9.	SaishaVinjamuri,UshaRani.V, Shruthi M.S and Raghu S . Selective Isolation And Enrichment Of Endosulfan Degrading Bacteria (2014) Asian Journal of microbiology, biotechnology and environmental sciences (AJMBES)16 (3):717-721
10.	Vinjamuri S and Gaonkar R, . (2014)., Modulatory role of citral on Heat Shock Proteins with special reference to HSP90 from yeast, World Research Journal of Biochemistry3(1) :66-70
11	RoopaGaonkar and VinjamuriSaisha (2014)Inhibition of S.cerevisiae ATPase activity by the purified component of Citral Intl. Review of Applied Biotechnology and Biochemistry ,2(1):79-84
12	Saisha V and Shashidhar Bhavikatti (2015)Optimization studies on the enzymatic clarification of fruit juices International Journal Of Latest Trends In Engineering And Technology (IJLTET) 5 (2) : 161-165
13	Saisha Vinjamuri, (2015) GaN / AlGaN Semiconductors for DNA Biosensors – An Overview International Journal of Scientific Engineering and Research (IJSER)(6):23-27
14.	Saisha Vinjamuri*, Devyani Shanker, Rao Shreesha Ramesh and Shyamala Nagarajan, (2015) In Vitro Evaluation Of Hemolytic Activity And Cell Viability Assay Of Hexanoic Extracts Of Bridelia Ferruginea Benth World Journal Of Pharmacy And Pharmaceutical Sciences. 4, (7): 1263-1268.
15	Jaya Saraswathi Saisha Vinjamuri i .S, Syeda Afshan, Sowmya ShekarEvaluation of Hemolytic Activity, Atpase Inhibitory Activity and Antitumor Activity of TLC Extract of Lemon Grass (<i>Cymbpogon Citratus</i>)intl journal of pharmacognosy and phytochemical research vol7,issue4 , 2015

16	Saisha Vinjamuri* ,Namratha S, Melita Cathereine Dcunha and Gouathami Reddy Phytochemical screening and GCMS analysis of the methanolic extract of <i>Plectranthus ambonicus</i> International Journal Of Latest Trends In Engineering And Technology IJLET,volume 7,Issue 1,340-344.- June 2016
17.	Saisha V* and Sharad ,Comparison of phytochemical components in leaves and stems of <i>exacum bicolor roxb.</i> BY GCMS World Journal Of Pharmacy And Pharmaceutical Sciences Volume 6, Issue 7, 2134-2138 July 2017
<p align="center">BOOK CHAPTER :</p> <p>1. <i>Kunamneni, A. Ravuri, B.D. Saisha, V. Ellaiah, P. Prabhakar, T (2010)Urokinase –an important antithromboembolic drug ‘Frontiers in Cardiovascular drug discovery (Vol.1)Bentham Books,212-236</i></p>	
<p align="center">National Journals</p>	
1.	P.Ellaiah, V. Saisha, T.Nagabhushana Rao, A.Thaer Taleb and B.Ramakrishna (2002); “Influence of Light on the Production of Urokinase from Mesangio Proliferative Glomerulo Nephritis`s Patient Kidney Cells”, Indian Journal of Pharmaceutical Sciences, 64:386-388
2.	P.Ellaiah ,K.Sambamurthy and V.Saisha (2002) ; “Studies on the Secretion of Urokinase by Biopsy Tissues of Kidney Patients ”, Indian Journal of Hospital Pharmacy , 36, 140-143.
3.	P.Ellaiah, T.Prabhakar, M.Sreekanth, A.Thaer Taleb, P.Bhima Raju and V. Saisha (2002); “Production Of Glycolipids Containing Biosurfactants by Pseudomonas Species”, Indian Journal of Experimental Biology,40:1083-1086
4.	P.Ellaiah and K.Bapi Raju, K.Adinarayana, G.Adinarayana, V.Saisha, S.Madhavi and J.Prem Kumar (2002); “Bioactive Actinomycetes From Krishna River Sediments of Andhra Pradesh”. Hindustan Antibiotics, 44:8-16.
5.	P Ellaiah, G. Jaya Prakash, T. Prabhakar and V.Saisha (2003); “Site Specific Integration of FLP Recombinase In BHK –21 Cell Line”, Indian. Journal of Experimental Biology,41:570-573.
6.	P Ellaiah ,G. Jaya Prakash,V.Saisha and K.Bhavani (2003); “Calcium Phosphate Mediated Gene Transfer In CHO -Ki Cell Line”, Indian Pharmacist, August:73-74
7.	P.Ellaiah,G.Adinarayana,V.Saisha and P.Vasu (2003-04) “Characterization of a new bioactive Actinomycete AUB N5/8 from marine sediments”Hind. Antibiot.Bull.,45-46:16-21

	<table border="1"> <tr> <td data-bbox="492 191 646 369">8.</td> <td data-bbox="646 191 1435 369">P.Ellaiah, J.Premkumar,V.Saisha,J.J.Sumitra and P.Vaishalli (2003-04) “Strain improvement studies on the production of Cephalosporin C from Acremonium Chrysogenum ATCC 48272” Hind. Antibiot.Bull.,45-46:11-15.</td> </tr> <tr> <td data-bbox="492 369 646 548">9.</td> <td data-bbox="646 369 1435 548">P.Ellaiah, G. Adinarayana, V.Saisha, P.Vasu, P.UdayaShanker and M.Sunitha (2004) “Optimization studies for increased antibiotic production by a streptomyces sp.” Proc. of AP Akademi of Sciences, 8:83-86.</td> </tr> <tr> <td data-bbox="492 548 646 684">10.</td> <td data-bbox="646 548 1435 684">T.Prabhakar, P.Ellaiah, P.Vasu, V.Saisha and .Sunitha (2004) “Optimizqation of process parameters for the production of Inulinase from Aspergillus niger” .Indian j.of Pharma Sci.,66,:78-781.</td> </tr> <tr> <td data-bbox="492 684 646 800">11</td> <td data-bbox="646 684 1435 800">P.Ellaiah,G.Adinarayana,V.Saisha and P.Vasu (2005) “An oligoglycosidic antibiotic from a newly isolated Streptomyces albovinaceus” Indian J. of Microbiol.,45:33-36.</td> </tr> </table>	8.	P.Ellaiah, J.Premkumar,V.Saisha,J.J.Sumitra and P.Vaishalli (2003-04) “Strain improvement studies on the production of Cephalosporin C from Acremonium Chrysogenum ATCC 48272” Hind. Antibiot.Bull.,45-46:11-15.	9.	P.Ellaiah, G. Adinarayana, V.Saisha, P.Vasu, P.UdayaShanker and M.Sunitha (2004) “Optimization studies for increased antibiotic production by a streptomyces sp.” Proc. of AP Akademi of Sciences, 8:83-86.	10.	T.Prabhakar, P.Ellaiah, P.Vasu, V.Saisha and .Sunitha (2004) “Optimizqation of process parameters for the production of Inulinase from Aspergillus niger” .Indian j.of Pharma Sci.,66,:78-781.	11	P.Ellaiah,G.Adinarayana,V.Saisha and P.Vasu (2005) “An oligoglycosidic antibiotic from a newly isolated Streptomyces albovinaceus” Indian J. of Microbiol.,45:33-36.
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workshops and conferences	<p><i>Workshops/conferences/FDP co-ordinated</i></p> <ol style="list-style-type: none"> 1. Technical Symposium on Innovations in Biofuel Technologies. Sponsored By DRDO April 23rd 2010, BMSCE 2. Symposium On ‘Quality Systems in Pharma Industry’ ,March 26th 2011.Jointly With Dakshah Biosciences 3. Technological Update on Advances in Chromatography & Environmental Analysis ,15th Sept.2012jointly Organized By Merck Millipore And Dept. Of Biotechnology , BMSCE 4. TEQIP –II sponsored Faculty Development Program on Biostatistics and Bio-Modeling Using Software Tools22nd-26th July 2013 5. TEQIP –II sponsored one Week Workshop on Complete Cloning and Hybridization Techniques, 27th - 31st January 2014 jointly with Aristogene Biosciences Pvt Ltd., Bangalore 6. One day workshop on Mass Spectroscopy jointly with Proteomics Society (India) ,24th March 2016. 7. TEQIP Sponsored one day national symposium .FUNDIP 2016 8. Thematic Convener (Varahamihiram) in 8th National Women `s Science Congress ,7-8th November 2015 <p><i>Papers presented at Conferences (2010 onwards)</i> <i>4th National Womens Science congress.2010 (regional)</i> 1. Screening of soil bacteria for invitro degradation of endosulfan ., AHFVSci-13 . <i>Chemicon,2011 (National)</i> 2. Comparative studies on the performance of a single chambered MFC using different electrode materials ., (Poster 694) <i>World Congress on Biotechnology from 4-6th May 2012 Hyderabad India (I. National)</i> 3. Optimization studies on endosulfan degrading capabilities of selected isolates</p>								

	<p><i>Nat. conference on biotechnology solutions for sustainable environment. Management, Jan 22nd Karnataka State Higher education council., Int. of printing technology palace rd. B'lore 2013 (National)</i></p> <p>4. Bioaugmentation studies for remediation of endosulfan contaminated agricultural soils <i>Symbiot-13" 2013(regional)</i></p> <p>5. Screening for anti-mitotic agents (chalcones) from Plant sources-</p> <p>6. Bioaugmentation studies on the degradation of endosulfan polluted soils using a bioreactor <i>National conf. on women in science and engg. 2013 5th and 6th july SDM dharwad (regional)</i></p> <p>7. Removal of heavy metal – chromium(vi) from synthetic waste water using immobilized algae <i>Symbiot-14" 2014 hosted by Manipal Institute of Technology. (regional)</i></p> <p>8. Antimicrobial activity of citral obtained from Cymbopogon species and its applications" was presented in the national level conference " <i>ICRAES-2014, (national)</i></p> <p>9. "Inhibition of S.cerevisiae ATPase activity by the purified component of citral" <i>ITC 21st & 22nd Aug 2014. (national)</i></p> <p>10. Insilico Binding Studies of Citral with F- Atpases to Evaluate the Action of Citral atMolecular Level <i>3rd global sustainable biotechnology congress Dec1st -5th 2014. (I.national)</i></p> <p>11. Modulatory role of citral on Heat Shock Proteins with special reference to HSP90 from yeast <i>NWSC 7-8Nov. 2015 Hebbal , Bangalore (regional)</i></p> <p>12. Potential of chitosan in wound healing.</p> <p>13. Phumdis: An alternate source of energy <i>Labroots Cancer Research &Oncology 2016 Virtual Conference Oct 5-6 2016(I.national)</i></p> <p>14. Natural Chalcones as Modulators of Transmembrane Protein Smoothened of the Hedge Hog Pathway. <i>IWSA 2-4th Dec2016</i></p> <p>15. Design of a pyramidal photobio reactor for production of algal biofuel. <i>2nd green & sustainable chemistry conference,Berlin,Germany 14th -17th May 2017.</i></p> <p>16.Non-conventional methods for extraction of algal oil.(Poster presentation)</p> <p>FDP /workshops attended</p> <table border="1" data-bbox="500 1591 1419 1862"> <thead> <tr> <th>s.no.</th> <th>Tittle of the conference attended</th> <th>Date and venue.</th> <th>Duration</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Ni –msme FDP in Entrepreneurship development sponsored by DST,GOI.</td> <td>19-30 March 2012 BMSCE, Blore</td> <td>2weeks</td> </tr> <tr> <td>2</td> <td>Value added course on NGS data analysis and Genome annotation jointly organized with LabIndia Instruments Pvt.ltd.</td> <td>13-18th August 2012 BMSCE, Blore</td> <td>1week</td> </tr> </tbody> </table>	s.no.	Tittle of the conference attended	Date and venue.	Duration	1	Ni –msme FDP in Entrepreneurship development sponsored by DST,GOI.	19-30 March 2012 BMSCE, Blore	2weeks	2	Value added course on NGS data analysis and Genome annotation jointly organized with LabIndia Instruments Pvt.ltd.	13-18 th August 2012 BMSCE, Blore	1week
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	3	ISTE sponsored training programme on Brain and cognition : neuroscience-signal and image analysis	7-12 Jan 2013 BMSCE, Blore	1week
	4	TEQIP –II sponsored FDP on Biostatistics -hands on with SPSS and R tool	8 th -12 th July 2013,BMSCE, Blore	1week
	5	TEQIP –II sponsored Faculty training on outcome based education- the science of being a teacher	10-15 th June 2013 BMSCE, Blore	1week
	6	TEQIP –II sponsored Faculty Development Program on Biostatistics and Bio-Modeling Using Software Tools	22 nd -26 th July 2013 BMSCE, Blore	1week
	7	TEQIP –II sponsored one Week Workshop on Complete Cloning and Hybridization Techniques, jointly with Aristogene Biosciences Pvt Ltd., Bangalore	27 th - 31 st January 2014 BMSCE, Blore	1week
	8	Bioinformatics methods I offered by Univ. of Toronto ,USA via Coursera	Completed 6 th march 2016	4weeks
	9	ISTE workshop on Fluid Mechanics conducted by IIT Kharagpur under National Mission on Education through ICT (MHRD)	20-30 th May 2014 BMSCE, Blore	2weeks
	10	TEQIP –II sponsored one Week FDP on Proteomics and drug Design	22-26 th July2014 BMSCE, Blore	1week
	11	Nanotechnology Teachers training program conducted by Nano Science and Technology Consortium	Oct 2014-March 2015	6months
	12	IUCEE-MICROSOFT-IGIP International Engineering Educator Certification Program 2016	Sept.2015-May 2016	9months
	13	TEQIP –II sponsored one Week FDP on Biomolecular separation techniques	27feb to 3 rd March2017 BMSCE, Blore	1week
	14	Blocon Academy Program in Faculty Development	3-7-2017-14-7- 2017	2 weeks
Workshops less than 1 week duration				
	s.no.	Tittle of the conference attended	Date and venue.	
	1	FDP workshop on “ Student –Teacher Relationship in the changing world.”	BMSCE,BANGALORE 8-9 th Feb.2010	

	3	FDP NEN Building Technology Ventures	8-8-12 to 10-8-12 at DSCE
	5	NEN Faculty development course on High Impact infrastructure design :launching intensive programs	Sept 29 2012 BMSCE , B`lore
	6	Workshop on business simulations (Train the trainer) deputed from coll. EDC	27-fen-1mar 2013 hotel Belair , B`lore.