

Prof.SujathaPeela, Ph.D.

Executive Council Member, Principal, Collège of Science
Dean R&D and Foreign Relations, Coordinator- IQAC
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Training

| Degree | Year | Institution | Area |
|--------------------------|---------|----------------------------|----------------------------|
| Post Doctoral Fellowship | 2006-08 | University of Chicago, USA | Cancer Biology, Immunology |
| Ph.D. | 2001-05 | Andhra University, INDIA | Biotechnology |
| M.Sc. | 1996-98 | Andhra University, INDIA | Biotechnology |

I. Papers published in International & National Journals

1. Ellaiah, P., Ramana, T., Bapiraju, K.V.V.S.N., **Sujatha, P.**, Umashankar, A., 2004. Investigations on marine actinomycetes from Bay of Bengal near Kakinada coast of Andhra Pradesh. *Asian journal of Microbiology, Biotechnology and Environmental Sciences*, **6(1)** 53-56.
2. **Sujatha,P.**, Bapiraju, K.V.V.S.N., Ellaiah, P., Ramana.T., 2004. Studies on new marine Streptomycete BT-408 producing polyketide antibiotic SBR-22 effective against methicillin resistant *Staphylococcus aureus*.*Microbiological Research*160;119-126.
3. **Sujatha,P.**, Bapiraju, K.V.V.S.N., Ramana.T., 2004. Effect of phytohormones on the production of novel antibiotic SBR-22 by mutant strain of *Streptomyces psammoticus* 125-vr. *Journal of Plant Biology*31(3);1-4.
4. **Sujatha,P.**, Bapiraju, K.V.V.S.N., Ramana.T., 2004. Characterization of marine streptomycetes from Bay of Bengal. *Proceedings of AP Akademi of Sciences*, **8(2)**,161-165.
5. Bapiraju, K.V.V.S.N., **Sujatha,P.**, Ellaiah, P., Ramana.T., 2004.Screening of oil seed cakes for isolation of lipolytic fungi and parametric optimization of lipase production by the selected isolate *rhizopus sp.* BTS-24. *Asian journal of Microbiology, Biotechnology and Environmental Sciences*. **4**, 751-756.
6. Bapiraju, K.V.V.S.N., **Sujatha, P.**, Ellaiah, P., Ramana.T., 2004. Medium development for optimal lipase production by an indigenously isolated *Rhizopus sp.* BTS-24. *Proceedings of AP Akademi of Sciences*, **8(2)**,155-160.
7. Bapiraju, K.V.V.S.N., **Sujatha, P.**, Ellaiah, P., Ramana.T., 2004. Mutation induced enhanced biosynthesis of lipase. *African Journal of Biotechnology*, **3**, 618-621.
8. **Sujatha,P.**, Bapiraju, K.V.V.S.N., Ramana.T., 2005. Studies on antagonistic marine actinomycetes from Bay of Bengal. P.Sujatha, K.V.V.S.N.Bapiraju and T.Ramana. *World Journal of Microbiology and Biotechnology*, 21(4);583-585.
9. **Sujatha,P.**, Bapiraju, K.V.V.S.N., Ramana.T., 2005.Optimization of solid state medium for the production of Polyketide antibiotic SBR-22 by mutant strain of *Streptomyces sp.* 125-vr. *Proceedings of AP Akademi of Sciences***2**, 256-258.
10. Bapiraju, K.V.V.S.N., **Sujatha, P.**, Ellaiah, P., Ramana.T., 2005.Sequential parametric optimization of lipase production by a mutant strain *Rhizopus sp.* BTNT-2. *Journal basic Microbiology*, 45(4), 257-273.

11. Adinarayana, G, Bapiraju, K.V.V.S.N., **Sujatha, P.**, Ellaiah, P., Ramana.T., 2005 1- Hydroxy-1-norresistomycin-a new antitumor antibiotic from marine *Streptomyces chibaensis* var. *dokipur* AUBN₁/7. *Journal of Antibiotics*,58(8), 526-529.
12. Adinarayana, G., Venkateshan, MR.,Bapi Raju KVVS.N., **Sujatha, P.**, Premkumar, J., Ellaiah, p., Zeeck, A. 2006. Cytotoxic compounds from the marine actinobacterium. *Bioorganicheskaiia Khimiia.*, 32(3):328-334.
13. Gorajana, A., MV Vinjamuri, S., Kurada, BV;**Peela, S.**, Jangam, P., Poluri, E., Zeeck, A. 2007 . Resistoflavine, cytotoxic compound from a marine actinomycete, *Streptomyces chibaensis*, AUBN(1)/7. *Microbiological Research*, 162(4):322-7.
14. Preston B.Landon, Jose J.Gutierrez, Taylor, Sara A. Alvarado, **Sujatha Peela**, Srinivasan Ramachandran, Fernando Teran Arce and Ratnesh Lal. 2008. Hollow Disc and sphere shaped particles from Red Blood cell templates. *Research Letters in Physical Chemistry* 2008, 726285.
15. Radhakrishna E, Shamsheer Kumar P, **Sujatha P.** 2011. Optimization of marine sponge isolated bacterium Bacillus Subtilis (MTCC No.10619) for the production of antimicrobial metabolites. *Asian Journal of Chemsitry*, 23(6) 2779-2781.
16. Nallbilli Lokeswari, **Peela Sujatha.** 2011. Isolation of Tannins from *Caesalpinia Coriaria* and effect of physical parameters. *International Research Journal of Pharmacy.* 2(2)146-152.
17. Radakrishna, E Shamsheer Kumar **P., Suajtha Peela.** 2011. Taxonomy extraction and TLC Bioautographymarine sponge isolated bacterium Bacillus subtilis (MTCC No 10619) for the production of antimicrobial metabolites. *Developmental Microbiology and Molecular biology* 2, (1) 29-36.
18. P Shamsheer Kumar, E Radakrishna, **P. Sujatha**,B.Veerendra Kumar 2012. Screening and Isolation of bioactive Microorganisms from *Fasciospongia cavernosa* from Visakhapatnam coast of Bay of Bengal. *Journal of Chemistry.* 9(4), 2166-2176.
19. **SujathaPeela** ,DhanunjayPonamgi ,Nagavalli Mandali, Ramana Terli 2012.Mutation induced enhanced production of novel antibiotic SBR-22 by *Streptomycess psammoticus* BT-408(MTCC-4902).*Journal of Pharmacy research.* 5(8),4480-4483.
20. Deepika Divya Kadiri, Naresh Gorle, Krishnakanth Varada Raju Peetala, **Sujatha Peela** 2013. Isolation, screening and identification of Phosphate solubilizing bacteria from different regions of Visakhapatnam and Araku Valley.*International Journal of Advanced Biotechnology and Research.* 4(4),518-526.
- 21.NagavalliMandali, V. Girijashankar,S. P. D. Ponamgi, **SujathaPeela**,L. Venkateswara Rao 2014. Rifamycin SV production using immobilized cells of *Amycolatopsismediterranei* OVA5-E7 in different matrices.*Journal of Chemical and Pharmaceutical Research.* 6(9):298-306.
22. **SujathaPeela**, Deepikadivyakadiri, Nareshgorle,Krishnakanthvaradarajupeetala. 2015. Isolation and identification of promising ammonifying and nitrifying bacteria from agricultural fields of Visakhapatnam. *International journal of pharma and bio sciences.* 6(2): (b) 1309 – 1317.
- 23.**SujathaPeela** and SwethalathaPorana 2015. Investigation on the distribution of ABO and Rh Blood Groups in thepopulation of Allinagaramvillage, Srikakulam District. *Journal of Chemical and Pharmaceutical Research*, 2015, 7(5):703-709.
- 24.**SujathaPeela** and Chandra SekharBoddu 2015. Infective and nutritionally deficient disease status in tribal population of seethampetamandal of Srikakulam, Andhra Pradesh. *World Journal of Pharmacy and Pharmaceutical Sciences*, 4 (11) :1528-1538.
25. **Sujatha Peela** 2016. Anticancer activity of crude extracts of two sponges, *fasciospongia cavernosadoc* var. brown & *fasciospongia cavernosa* doc var. yellow. *International Journal of Pharma and biosciences* 7(1): (P) 66-69.
26. **SujathaPeela**,LalithaSrideviNimmakayala,SankarraoMudadla 2016. Ethnomedicinal Practices ofSavara Tribes From Eastern Ghats Near SeethampetaMandalof Srikakulam, AP, India. *World Journal of Pharmaceutical Research*5(11): 925-933.
27. **SujathaPeela**, KondalaramMajji 2016. Phytochemical analysis, antimicrobial and cytotoxic

activities of *Phyllanthus niruri*. *European Journal of Biomedical and Pharmaceutical Sciences* 3(12): 605-610.

28. **Sujathapeela**, Swethalatha Porana 2017. Isolation and screening of novel streptomyces from sediments of bay of bengal near srikakulam coast. *International Journal of Current Pharmaceutical Research* 9(1): 40-44.

29. Neha Merchanta, Lakkakula V.K.S. Bhaskar, Saimila Momina, **Peela Sujatha**, Aramati B.M. Reddy, Ganji Purnachandra Nagaraju, 2018. 5-Lipoxygenase: Its involvement in gastrointestinal Malignancies. *Critical Reviews in Oncology / Hematology* 127, 50–55.

30. A Study on the proximate composition and nutritive value of local tree almonds, *Prunus amygdalus* Pola Sudhakar, Priyanka K, Angela E. Peter, B. V. Sandeep, M. Rajeswari, B. Ganga Rao, **P. Sujatha**, 2018. *Annals of Plant Sciences* 7.6, 2363-2372.

31. Bhaskar Lakkakula, Batoul Farran, Saikrishna Lakkakula, sujathapeela, Nagendra Sastry Yarla, Bramhachari P.V., Mohammad Kamal, Madhu Sudhana Saddala, Ganji Purnachandra Nagaraju. 2018. Small molecule tyrosine kinase inhibitors and pancreatic cancer - trials and troubles.

Seminars in Cancer Biology (In Press).

32. **Sujatha Peela**, Veeranki Girijashankar, Sunil Prasad Dhanunjay Ponamgi, Nagavalli Mandali, Ganji Purnachandra Nagaraju, 2018. Novel Tetracycline SBR-22 is a functional moiety deviation and bioactive against multidrug resistant strains. *RSC Advances (Submitted)*

33. Rama raomalla, seemakumari, anilkumar badana, muralimohangavara, shailender gunganavath, **Sujatha Peela**. 2018. Cytoprotective and antioxidant activity of pyrrolopyrazine compound isolated from marine aciditerrimonas ferrireducens. *Medicinal Chemistry Research (Submitted)*.

Research Experience

1. Postdoctoral work:

My research focus during my postdoctoral study is elucidating the signaling pathways involved in lung and colon cancer cell survival and apoptosis (programmed cell death). My research in cancer biology contributes towards finding novel therapeutic strategies for the treatment of lung and colon cancers.

- a) Project I: The role of Nod2 signaling in Inflammatory Bowel's diseases (crohn's disease & ulcerative colitis).
- b) Project II: Investigation of the downstream effects of ROS and key smoking constituents on mammalian lung cells leading to new insights into prophylactic and therapeutic strategies for lung diseases.

2. Ph.D. thesis:

My Research focus during my doctoral thesis is investigation of unexplored marine resources for novel bioactive compounds of pharmaceutical importance.

Thesis Title `Investigations on the production of a novel antibiotic SBR-22 by an indigenously isolated marine Streptomyces psammoticus.

III. Technical Experience

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|---------------------|---|
| IMMUNOLOGY | ELISA, Multiplex Assays for luminex, Immunoblot, Handling of Mice Bone marrow transplantation and preparation of Bone marrow Chimeras, Animal models, Phagocytosis assay, TUNEL assay, Apoptosis assay, FACS. |
| CELL CULTURE | Mammalian cell culture, Isolation and maintenance of Macrophages and Dendritic cells from mice bone marrow. Isolation of Astrocytes from neonatal and embryonic brain tissue of mice. |
| MOLECULAR | Isolation of DNA, RNA, Cloning, Gene expression, PCR, RT-PCR, Real time |

| | |
|---------------------|---|
| BIOLOGY | PCR, EMSA, Antibody super shift, Autoradiography, Southern Hybridization, Radiolabelling techniques, Transfection. |
| BIOCHEMISTRY | Electrophoresis, Chromatography, Spectrophotometry, Fluorimetry, Luminometry, Protein and Enzyme assays. |
| MICROBIOLOGY | Isolation and maintenance of pure cultures. Screening of microorganisms for bioactive compounds, Submerged and solid state fermentation, Antibiotic and microbiological assays, strain improvement, immobilization. |

IV. Teaching Experience

A total of 20 years' experience in various colleges and universities at post graduate and graduate level.

1. Dec 2014- Present as a Professor in the Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam
2. Mar 2010- Dec 2014 as an Associate Professor in the Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam.
3. Dec 2008 –Mar 2010 as an Associate Professor in the Department of Biotechnology, GIS, GITAM University.
4. Mar 2008 - Dec 2008 as an Assistant Professor in the Department of Biotechnology, GIS, GITAM University
5. Oct 2001- Feb 2006 as a teaching associate in the Department of Biotechnology, Andhra University, Visakhapatnam at post graduate level.
6. June 2000- Sep 2001 as a lecturer in Biotechnology, Pydah College, Visakhapatnam at graduate level.
7. Aug 1998- June 2000 as a lecturer in Biotechnology, T.S.R&T.B.K.Degree College, Visakhapatnam at graduate level.

V. Awards and Merits

1. State Teacher Award 2018 received from Hon'ble Chief Minister Sri Nara Chandrababu Naidu & Higher Education Minister Sri Ganta Srinivasa Rao Department of Higher Education, Govt. of Andhra Pradesh, 5th September, 2018, Amaravati, Andhra Pradesh
2. University Best teacher Award 2017, received from Hon'ble Vice Chancellor, Prof. K.Ramji, Dr.B.R. Ambedkar University, Srikakulam.
3. Secured **University First Rank (Gold medalist)** for M.Sc. Biotechnology (1996-1998), Andhra University, India)
4. Qualified prestigious Government of India **CSIR-UGC** (Council of Scientific and Industrial Research- University Grants Commission) National Eligibility Test –Junior Research Fellowship (2002-2004)
5. Obtained prestigious Government of India Senior Research Fellowship (UGC-SRF) (2004).
6. Qualified Indian Council of Agricultural Research National Eligibility Test in Animal Biotechnology Discipline. (**ICAR**) - (1999).
7. Biography was listed in **Marquis Who's Who in Science and Engineering, 2006-2007**
8. Biography was listed in **Marquis Who's Who in Asia, 2006-2007**
9. Biography was listed in **Marquis Who's Who on Web**
10. Teaching assistantship 2001-2006, Department of Biotechnology, Andhra University, India.
11. Post doctoral fellowship 2006-2009, Department of Medicine, University of Chicago, **USA**.
12. Certificate Course in **Clinical training programme** “Essentials of Patient Oriented Research” 2007-2008, University of Chicago, Chicago, IL, **USA**.

VI. Critical Roles

1. Executive Council Member, Dr.B.R.Ambedkar University, Srikakulam.
2. Principal, College of Science, Dr.B.R.Ambedkar University, Srikakulam.
3. Dean, Research Development & Foreign Relations, Dr.B.R.Ambedkar University, SKLM.
4. Faculty Chairperson, Faculty of Science, Dr.B.R. Ambedkar University, SKLM.
5. Coordinator, IQAC (Internal Quality Assurance Cell)Dr.B.R.Ambedkar University, SKLM.
6. Coordinator, Unnat Bharat Abhiyan 2.0 (UBA 2.0), Ministry Human Resource Development (MHRD), Govt. of India.
7. Nodal Officer, RTI Cell, Dr.B.R.Ambedkar University, Srikakulam.
8. Convener, Women Grievance Cell Committee, Dr.B.R.Ambedkar University, Srikakulam.
9. Selection Committee Member as Women Nominee for Faculty Recruitment, Dr.B.R.Ambedkar University, Srikakulam.
10. Scrutiny Committee Member, Faculty Recruitment, Dr.B.R.Ambedkar University, Srikakulam.
11. Member, University Building Committee, Dr.B.R.Ambedkar University, Srikakulam.
12. Member, Hostel Affairs Committee, Dr.B.R. Ambedkar University, Srikakulam.
13. Member, Annual Report Committee, Dr.B.R. Ambedkar University, Srikakulam.
14. Member, Research Courses Committee, Dr.B.R. Ambedkar University, Srikakulam.
15. Member, Examination Review Committee, Dr.B.R. Ambedkar University, Srikakulam.
16. Member, Internal Sports Committee, Dr.B.R. Ambedkar University, Srikakulam.
17. Member, Disciplinary Committee, Dr.B.R.Ambedkar University, Srikakulam
18. Chairman-BOS, Dept. of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam.
19. Head, Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam.
20. Course Coordinator, Department of Organic Chemistry, Dr.B.R.Ambedkar University, Srikakulam.
21. Member, Advisory Committee for Anti ragging, Dr.B.R. Ambedkar University, Srikakulam.
22. Member, Board of Studies, Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam.
23. Chairman, Department Research Committee, Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam
24. Chief Superintendent for conducting PG exams of Dr.B.R.Ambedkar University, Srikakulam.
25. Paper setter for PG examinations, AdikaviNannaya University, Rajahmundry.
26. Paper Setter for B.Tech (BT) Examinations, JNTU, Anantapur.
27. Syllabus framed for Integrated M.Sc.Biotechnology Programme in GITAM University
28. Syllabus framed for Distance mode M.Sc. Biotechnology Programme in GITAM University.
29. Squad Member for UG & PG Examinations of Dr.B.R.Ambedkar University, Srikakulam
30. Member, College Inspection Committee, Dr.B.R.Ambedkar University, Srikakulam
31. Ph.D. thesis Adjudicator of Andhra university, Mysore University, Bangalore University
32. Ph.D. Viva-Voce Examiner of Andhra University, Bangalore University.
33. Examiner for M.Sc. Biotechnology & Microbiology, Andhra University.
34. Expert for evaluation of Pre-Ph.D. Exams, Dept. of Biotechnology, JNTU, Anantapur.
35. Member, Joint Inspection Committee, APSHE.

VII. Reviewer

1. Reviewer of the prestigious research Journal “**Deep Sea Research Part-I**” of Elsevier publishers.
2. Reviewer of the Prestigious research journal “**Indian Journal of Biotechnology**” of National Institute of Science Communication and Information Resources, Council of Scientific & Industrial Research.
3. Reviewer of “**Indian journal of biochemistry & biophysics**”.
4. Reviewer of “**International Journal of Pharma and Biosciences**”
5. Reviewer of “**Journal of Applied Pharmaceutical Science**”
6. Reviewer of “**BMC Microbiology**”
7. Reviewer of “**Asian Journal of Nanosciences and Materials**”

VIII. Books published

1. K Ramji, **Sujatha Peela**, V Srinivas Chary, G BalaSubramanyam, Y MaliniReddy, Meryl Jacob, 2018 .Student Handbook: Faecal Sludge and Septage Management by Administrative Staff College of India, Govt. of Andhra Pradesh.
2. **Sujatha Peela**, B.N.Devendra. 2010. Microbiology and Immunology self learning material for distance mode Biotechnology by GITAM University.
3. B.N.Devendra **Sujatha Peela**,. 2010 Cell biology and Genetics self learning material for distance mode Biotechnology by GITAM University.
4. **Sujatha Peela**, B.N.Devendra. 2010. Microbiology and Immunology Laboratory Manual for Distance mode Biotechnology by GITAM University.

IX. Papers presented in International & National Conferences/Seminars

1. Optimum antifungal antibiotic production by a novel actinomycete isolate by optimizing various physical and chemical parameters. P.Ellaiah, T.Ramana, A.Uma Sankar **P.Sujatha** and K.V.V.S.N.Bapiraju. National seminar on Pharmaceutical Research in the New Millennium organized by the Dept. of Pharmaceutical Sciences, Andhra University, India during May 16-17, 2002
2. Studies on Marine Streptomycetes and their Bioactive compounds. P.Ellaiah T.Ramana, K.V.V.S.N.Bapiraju, **P.Sujatha** and A. Uma Sankar and 54th Annual meeting of Indian Pharmaceutical Congress (IPC), Pune, during Dec. 2nd - 5th 2002.
3. Biotech India International 2003. International Exhibition and Conference on Biotechnology, Hyderabad, during 24th-27th September 2003.
4. Exploiting marine Streptomycetes in search of novel Secondary metabolites. **P.Sujatha**, K.V.V.S.N.Bapiraju P.Ellaiah and T.Ramana. International Convention of Association of Pharmaceutical Teachers of India (APTI), Visakhapatnam, Oct. 2nd -3rd . 2004.
5. Microbial Lipases: Promising Biocatalysts for the Biotech Industry. K.V.V.S.N.Bapiraju, **P.Sujatha**, P.Ellaiah and T.Ramana. International Convention of Association of Pharmaceutical Teachers of India (APTI), Visakhapatnam, Oct. 2nd -3rd . 2004.
6. Antibiotic production by Immobilized *Streptomyces psammoticus* BT-408. **P. Sujatha**, K.V.V.S.N. Bapiraju, and T. Ramana. National Symposium on Frontiers in Biotechnology, Dept. of Biotechnology, Bharathiar University, Coimbatore, Oct. 27th -28th . 2004.
7. Lipase production by Rhizopus Sp. BTS-24 under solid –state fermentation K.V.V.S.N. Bapiraju, **P. Sujatha**, P.Ellaiah and T. Ramana. National Symposium on Frontiers in Biotechnology, Dept. of Biotechnology, Bharathiar University, Coimbatore, Nov. 27th - 28th . 2004.
8. Bioparametric optimization of extracellular lipase production by a newly isolated Rhizopus

- sp.BTS-24. K.V.V.S.N. Bapiraju, **P. Sujatha**, P.Ellaiah and T. Ramana. 56th Indian Pharmaceutical Congress, Kolkata, Dec. 3rd-5th, 2004.
9. A new marine Streptomyces BT-408 producing polyketide antibiotic SBR-22 effective against methicillin resistant *Staphylococcus aureus*. **P. Sujatha**, and T. Ramana. National seminar on Natural Resources, Health care & Natural Hazards, Dept of Pharmaceutical Sciences, Visakhapatnam, June 2&3rd. 2005.
 10. Seminars on Scientific integrity and the ethical conduct of Research, **Sujatha Peela**. Committee on molecular Medicine, university of Chicago, Chicago, USA July 10-21st 2007.
 11. Biophysical annual society meeting 2008, **Sujatha Peela**. Long Beach Convention center, Long Beach, California, USA Feb 2-6th 2008.
 12. Systems Biology Approach for Defining Signaling Pathways in Oxidative Stress Induced Cell Injury. S. Ramachandran, **S. Peela**, P. B. Landon, S. Subramaniam, R. Lal. The American Society for Cell Biology 48th Annual Meeting Dec 13th-17th 2008, San Francisco, USA.
 13. Isolation and Screening of Bioactive Compounds from Sponge Associated microbes from Visakhapatnam Coast of Bay of Bengal. Shamsheer Kumar P., Radha Krishna E., **Sujatha Peela**. Frontiers in Biotechnology, Department of Biotechnology, Bharatier University, Coimbatore. July 22nd-24th 2009.
 14. Workshop on Environmental pollution and its impact on climate change organized jointly by AP Pollution control Board & GITAM University, Visakhapatnam, 3rd Dec 2009.
 15. Taxonomic Characterization of halophilic bacteria isolated from marine sponges for amylase and protease. Radhakrishna Eagala, Shamsheer Kumar Penki, **Sujatha Peela**. National Seminar on Emerging Trends in Cell and Nanobiotechnology, GITAM University, Visakhapatnam. 11th-12th Dec 2009.
 16. Characterization of marine bacteria isolated from sponges near Visakhapatnam Coast of Bay of Bengal. Shamsheer Kumar Penki, Radhakrishna Eagala, **Sujatha Peela**. National Seminar on Emerging Trends in Cell and Nanobiotechnology, GITAM University, Visakhapatnam. 11th-12th Dec 2009.
 17. Workshop on Self learning Material Preparation, Centre for Distance Learning, GITAM University, Visakhapatnam. 26-27th Dec 2009.
 18. Optimization and extraction of bioactive compound from sponge associated microbes from Visakhapatnam coast of Bay of Bengal. Shamsheer Kumar Penki, Radhakrishna Eagala., **Sujatha Peela**. International conference on Aquatic microbiology AMSCO-2010, Centre of Advanced study in marine biology, Annamali University, Chennai. Sep 2nd-4th, 2010.
 19. Mentorship workshop on "Bio-CARE" (Biotechnology Career Advancement and Re-Orientation Programme) Funded by Department of Biotechnology, Ministry of Science & Technology, Govt. of India, Organized by Biotech Consortium India Limited. Bioinformatics Centre, University of Pune, Pune Nov 9th 2011.
 20. Role of Nucleotide-binding Oligomerization domain (NOD2) in crohn's disease. **Sujatha Peela**, Matija Hedl, Clara Abraham. National Symposium on Immunology Today: Recent developments in Health and Disease. Organized by Department of studies in Biochemistry and Indian Immunological Society. University of Mysore, Manasagangothri, Mysore. Nov 14th & 15th 2011.
 21. Screening and Identification of Phosphate Solubilizing Bacteria (PSB) from different agricultural fields of Visakhapatnam and evaluating the potential of PSB as fertilizer. Deepika DK, Naresh G, Krishnakant, **Sujatha P.** Andhra Pradesh Science Congress-2011. Organized by GITAM University & Andhra Pradesh Akademi of Sciences. Visakhapatnam. Nov 14th-16th 2011.
 22. Optimization of Environmental parameters for maximum tannase production from cashew husk. Lokeswari N, **Sujatha P.** Swapnavahini K, Lenin Kumar B. Andhra Pradesh Science Congress-2011. Organized by GITAM University & Andhra Pradesh Akademi of Sciences.

- Visakhapatnam. Nov 14th-16th 2011.
23. Traditional Medicine to Modern Medicine- leads to Drug discovery. **Sujatha Peela**. National Seminar on “Biochemical, Biotechnological and conservational aspects of medicinal flora organized by Gurajada College of science and Management, Srikakulam. Feb 4th -5th 2012.
 24. Inflammatory Bowel Disease: A chronic intestinal inflammation is due to defective immunity? **Sujatha Peela** & Clara Abraham. National Seminar on Present Perspectives of Bioactive molecules and Biotechnology organized by Departments of Biochemistry, Biotechnology & Microbiology, Andhra University, Visakhapatnam. May 30-31st 2012.
 25. Genomics and Proteomics. **Sujatha Peela**. Training Programme on Bioinformatics: A New Frontier for Biology Teaching organized by DBT-BIF, Andhra University, and Visakhapatnam. 20th -22nd July 2012.
 26. Two day sensitization workshop on “Biotechnologies for the upliftment of SC, ST and Rural Population”. Organized by Agri Biotech Foundation, N.G. Agricultural University Campus, Rajendra Nagar, Hyderabad. 17th -18th May, 2013.
 27. Transgenic Mouse models. **Sujatha Peela**. CME & National Seminar on Immune Interface of Host- Pathogen Interactions organized by Dept. of Biochemistry, Andhra University, Visakhapatnam. 7th - 8th Dec 2013.
 28. Role of Effluents on environment. **Sujatha Peela**. International Conference on Effects of Emissions & Effluents on environment EEEE-2014, AU college of Engineering, Andhra University, Visakhapatnam. 30th June & 1st July 2014.
 29. Study on the plant derived natural products in the treatment of cardiovascular diseases. **Sujatha Peela**. PERFUSION-CON-2014, organized by Society of Andhra Perfusionists (SAP), AMCOSA, Visakhapatnam, 23rd Aug 2014.
 30. National Workshop on Science and Society (Under TEQIP Phase-II). Dept of Engg. Chemistry, A.U. College of Engineering (A), Andhra University, Visakhapatnam. 27-28th February 2015.
 31. Investigation on the ethno medicinal practices of Savara tribes of srikakulam district for anti-proliferative and anticancer activity using cell lines. **Sujatha Peela**, Madhava Rao Panchareddy. 19th Annual Convention and 2nd International Conference of the Indian Society of Pharmacognosy ICSP-2015, AU College of Pharmaceutical Sciences, Visakhapatnam. March 20th to 22nd, 2015.
 32. An anti-cytokine bioactivity Assay for Interferon Beta-1b. **Sujatha Peela**, Manoj Kumar Metta. National Conference on Natural Therapeutics for Cancer, Diabetes and renal diseases (NTCDR), Dept of Biochemistry and Bioinformatics, GIS, GITAM University, Visakhapatnam. 27th-28th March 2015.
 33. Cytotoxic activity of crude extracts of two sponges, *fasciospongiacavernosadoc* var. brown & *fasciospongiacavernosa* doc var. yellow. **Sujatha Peela**. DBT sponsored National Workshop cum Seminar on “Uplifting of Society through Biotechnology”. Department of Biotechnology, Govt. Degree College Men, Srikakulam. Nov 5th -7th, 2015.
 34. National Workshop on Advanced Analytical and Molecular Techniques, organized by Advanced Analytical Laboratory, DST-PURSE programme, Andhra University, Visakhapatnam. Nov 30th & Dec 1st 2015.
 35. Taxonomic characterization of potent marine actinomycete A10 using Scanning Electron Microscopy. **Sujatha Peela**, Swethalatha Porana, Madhava Rao Panchareddy, Satish Badda. International conference on Recent advances in Biosciences and applications of engineering in production of biopharmaceuticals (RABAEB-2015) & 9th Annual Convention of Association of Biotechnology and Pharmacy. Organized by Dept. of Biotechnology, ANU, KL, ABAP, KL University, 14-16 Dec 2015.
 36. Role of plant and marine derived natural products in Cancer Therapy. **Sujatha Peela**. Third Annual International Conference (AIC-3). Organized by Dept of Organic Chemistry, Dr. B.R.

- Ambedkar University, Srikakulam & Coastal Chemical Research Society (CCRS), 16th -17th Dec 2015.
37. Actinomycetes from Srikakulam Coast marine sediments of Bay of Bengal; Diversity and Biological activity. **Sujatha Peela**, Swethalatha Porana, Madhava Rao Panchareddy, Satish Badda. International Conference on Advances in Plant and Microbe research (ICAPMR 2016) Organized by Dept. of Botany and Microbiology, Acharya Nagarjuna University, 6th -8th Jan 2016.
 38. DBT-BIF Workshop on High Throughput Biological Data Analysis organized by Bioinformatics infrastructure facility, Dept. of Marine Living resources, Andhra University, Visakhapatnam, 23rd -26th Feb 2016.
 39. A study on Indian perspective of Crohn's Disease. **Sujatha Peela**. APSCHE sponsored Two Day National Seminar on Recent Biotechnological Approaches in Biopharmaceuticals and Health care Organized by Dept. of Biotechnology, Dr. B.R. Ambedkar University, Srikakulam, 16th -17th March 2016.
 40. One Day Workshop on Emerging Children with Emerging Technologies Organized by Department of Education, Dr. B.R. Ambedkar University, Srikakulam on 22nd March 2016.
 41. Being Human : In Multicultural traditions, Humanity and Diversity. **Sujatha Peela**. RVP International Conference on "Being Human in Multicultural Traditions humanity and Diversity. Organized by Dept. of Philosophy, Andhra University, Visakhapatnam. 29th - 31st March 2016.
 42. DBT sponsored Workshop on "Capacity building in molecular Biology" Organized by Dept. of Biotechnology, Govt. Degree College (Men) Srikakulam. 26th -30th Sep 2016.
 43. One Day Workshop on "Quality in Education: A Comparative Study" Organized by Dept. of Education, Dr. B.R. Ambedkar University, Srikakulam. 5th Nov 2016.
 44. Phytochemical screening and antimicrobial activity of Ethanomedicinal plants of Eastern Ghats near Seethampetamandal, Srikakulam against Skin Diseases. **Sujatha Peela**, Lalitha Sridevi Nimmakayala. AP Science Congress 2016 jointly Organized by AP Akademi of Sciences Amaravati, Dr. NTR University of Health Sciences, Acharya Nagarjuna University and Krishna University, Vijayawada, 7th -9th Nov 2016.
 45. National Conference on Recent Trends in Neurological and Psychiatric Research (Dec. 9-11), Organized by Centre for Cellular and Molecular Biology (CCMB), Hyderabad. 9-11th Dec 2016.
 46. International Conference on Recent Advances in Aquaculture (RAA-2016) Organized by Dept. of Marine Living resources, CST, Andhra University, Visakhapatnam. 16th -17th Dec 2016.
 47. "Vijnan Prakash", Six day training Workshops on Science & Technology Communication through Digital Media. Organized by AASRA. 16th Dec -22nd Dec 2016.
 48. National Women's Parliament Organized by Legislative Assembly, Andhra Pradesh, Amaravati, Andhra Pradesh. 10th -12th Feb 2017.
 49. "Inflammatory Bowel Disease: Intestinal T-cell Regulation by NOD2" **Sujatha Peela**, Clara Abraham. 43rd Annual Conference of the Indian Immunological Society (IIS) Organized by GITAM University, Visakhapatnam from 16th - 18th Feb 2017.
 50. National workshop on Dissemination of Geospatial Technology for Department of Andhra Pradesh. Organized by APSAC & Dr. B.R. Ambedkar University, Srikakulam. 7th March 2017.
 51. National Workshop on "Capacity Building in Biology & Allied Sciences" Organized by Dept. of Biotechnology, Government Degree College, Srikakulam. 1st -3rd April 2017.
 52. National Workshop on "DNA Barcoding and Phylogenetics" Organized by DBT-Bioinformatics Infrastructure facility, Dept. of Marine Living Resources, Andhra University, Visakhapatnam. 9th -12th Aug 2017.

53. Workshop on “Faecal Sludge & Septage Management for Academic Institutions in Andhra Pradesh” Organized by Administrative Staff College of India (ASCI), Novatel, Visakhapatnam. 13th-14th Oct 2017.
54. “Natural Products Discovery- Eastern Ghats folklore” **SujathaPeela**. National Seminar on Recent Advances in Chemical Sciences Organized by Department of Organic Chemistry, Dr.B.R.Ambedkar University, Srikakulam 26th Oct 2017.
55. “Actinomycetes for Marine Drug Discovery Isolated from Bhavanapadu Mangroves in North East Coast Andhra Pradesh”Madhava Rao Panchareddy, **SujathaPeela**. Andhra Pradesh Science Congress-2017 Organized by Andhra Pradesh Akademi of Sciences, Amaravathi, Andhra University, Visakhapatnam. 7th -9th Nov 2017.
56. International workshop on “Water, Air, Sanitation and Hygiene : Attitudes and Practices (WASH-2018)” Organized by Department of Biotechnology, Organic Chemistry & Social Work, Dr.B.R.Ambedkar University, Srikakulam, 27thJan 2018.
57. Workshop on “Sanitation Towards ODF and ODF+ for Principals of Dr. B. R. Ambedkar University, Srikakulam” Organized by Administrative Staff College of India (ASCI) &Dr.B.R.AmbedkarUniversity, Srikakulam.30th Jan 2018.
58. World Cancer Day-2018. Organized by Department of Biochemisty&Bioinformatics,GIS, GITAM University, Visakhapatnam, 3rd Feb 2018.
59. “Anticancer activity of cyclo-Leu-Pro-diketopiperazine from marine actinomycete against triple negative breast cancer cell line” **SujathaPeela** ,Ramaraomalla.ICGEB-NASSL South Asian Biotechnology Conference (SABC 2018) Colombo, Sri Lanka. 28th -30th March 2018.
60. One day Orientation workshop on “Launching of New Framework of Unnat Bharat Abhiyaan 2.0 and Orientation Workshop” Organized by MHRD, Govt. of India & IIT Delhi, AICTE auditorium, New Delhi.”April 25th, 2018.
61. “Adoption of villages under Unnat Bharat Abhiyan National Flagship Programme for upliftment of Rural India” **SujathaPeela**. National Seminar on “Rural Development in India: Issues and Challenges with special reference to Andhra Pradesh” Organized by Department of rural Development & Economics, Dr.B.R.Ambedkar University, Srikakulam.
62. “Activities Planning Workshop for Unnat Bharat Abhiyan for Village Clusters”Organized byNational Institute of Rural Development and Panchayati Raj(NIRD&PR),Ministry of Rural Development, Govt. of India, Hyderabad. 26th July 2018.
63. One Day workshop on “Adoption, Promotion & Production of MOOCs on SWAYAM platform” Organized by University Grants Commission (UGC), Maulana Azad National Urdu University, Hyderabad. 31st August 2018.
64. One Day workshop on Accreditation of Unaccredited Universities by NAAC, Bangalore. CSTD, Dr.B.R.Ambedkar Open University, Hyderabad. 1st Oct 2018
65. National Seminar on “Environmental Health and Biotechnological Applications on Food &Pharma Industries (EHBAPPI). Organized by Dept. Of Biotechnology &FND, Andhra University, Visakhapatnam. 27th -28th Oct 2018.
66. 43rd Annual conference of Indian Society of blood transfusion Immunohematology. Organized by ISBTI, Andhra Pradesh State, Novatel, Visakhapatnam. 26th -28th Oct 2018.
67. Sanction of technology demonstration/customisation project and Orientation workshop organized by UBA, IIT, Delhi. 16th-17th Nov 2018.
68. 8th International Conference on Sustainable waste Management organized by ISWMAW, Acharya Nagarjuna University, Guntur, AP, 22nd-24th Nov 2018.

X. Seminar/ Workshop/Meet Organized

1. Organized a single day workshop entitled “Recent Trends Advances in Genomics and Proteomics” on 14th February, 2009 as **Organizing Secretary**.

2. Organised two day seminar entitled “Emerging Trends in Cell and Nano Biotechnology” on 11th and 12th December, 2009 as a **Member** of Scientific committee.
3. Organized “Industrial Meet 2010” on 20th August 2010 as **Head**, Department of Biotechnology in Dr.B.R.Ambedkar University, Srikakulam.
4. Organized a one day national workshop entitled “New Horizons in Biotechnology” on 18th March 2011 as **Convener**.
5. Organized a One day workshop entitled “Current trends in Drug Development on 31st March 2012 as **Convener**.
6. Organized Two Day National Seminar On Recent Biotechnological Approaches in Biopharmaceuticals and Health Care Sponsored By **APSCHE** on 16th -17th March 2016 as **Convener**.
7. Organized One Day Workshop on “Internal Quality Assessment and Enhancement on 2nd Dec 2016 as **Convener**.
8. Organized International workshop on “Water, Air, Sanitation and Hygiene attitudes and Practices (WASH-2018)” on 27th January 2018 as **Convener**.
9. Organized Workshop on “Sanitation Towards ODF and ODF+ for Principals of Dr.B. R. Ambedkar University, Srikakulam” on 30th January 2018 as **Convener**.

XI. Refresher Courses

1. 2 Refresher courses were attended as a participant and resource person organized by Department of Biotechnology, Andhra University funded by APNLBP (Andhra Pradesh Netherlands Biotechnology Programme) for teaching faculty in Biotechnology discipline from 2004-2006.
2. Refresher course in Biotechnology completed as Associate Professor at University of Hyderabad conducted by UGC-Academic Staff College with ‘A’ grade.
3. Refresher course in Environmental sciences completed as Associate Professor at Andhra University by UGC-Academic Staff College with ‘A’ grade.

XII Faculty development Programmes (FDP)

1. International Conference on “Innovation, Incubation and Industrialization Organized by Association of Lady Entrepreneurs of India (ALEAP), Novatel, Visakhapatnam. 17th -19th Jan 2018.
2. Workshop on “Leadership Development in Higher Education for University Administrators” Organized by Department of Educational Finance, National Institute of Educational Planning and Administration (NIEPA), Pride Plaza Hotel, Aerocity, New Delhi, 26th -28th Feb 2018.
3. Programme on “Faecal Sludge & Septage Management” organized by Administrative Staff College of India (ASCI), Bella Vista, Hyderabad, 21st -23rd Jan 2019.

XIII. Resource Person

4. Resource person to refresher course organized by Department of Biotechnology, CST, Andhra University, sponsored by Agri Biotech Foundation.
5. Resource person in vignanaSravanthi organized by Science Association, Govt.Degree College (Men), Srikakulam.
6. Resource Person in workshop on Recent Trends in Zoology Organized by Department of Zoology, Govt.College for Women, Srikakulam.

7. Resource Person in Golden Jubilee Celebrations 200. SuvarnaManasa. National Symposium on “Immunology Today:Recent developments in health and disease organized by Department of studies in biochemistry and Indian Immunological Society, University of Mysore. 14th&15th Nov 2011.
8. Resource Person in Training Programme on Bioinformatics: A New Frontier for Biology Teaching organized by DBT-BIF, Andhra University, and Visakhapatnam. 20th -22nd July 2012.
9. Resource Person in Indian Immunology Society CME & National Seminar on Immune Interface of Host –Pathogen Interactions organized by Department of Biochemistry, Andhra University. 7th -8th Dec 2013.
10. Resource Person in Study on the plant derived natural products in the treatment of cardiovascular diseases. PERFUSION-CON-2014, organized by Society of Andhra Perfusionists (SAP), AMCOSA, Visakhapatnam, 23rd Aug 2014.
11. Resource Person in DBT sponsored National Workshop cum Seminar on “Uplifting of Society through Biotechnology”. Department of Biotechnology, Govt. Degree College Men, Srikakulam. Nov 5th -7th, 2015.

XIV. Guest Lectures

1. Delivered Guest lectures to M, Sc,Biotechnology students on Animal Biotechnology in V.S.Krishna Govt. Degree College, Visakhapatnam.
2. Delivered Guest lectures on Plant tissue culture & Genetic Engineering in Govt. Degree College for Women, Srikakulam.

XV. Projects

| Title of the Project | Funding Agency | Amount Sanctioned | Period |
|---|-----------------------|--------------------------|---------------|
| Development of novel therapeutics from marine Actinomycetes for targeting stem cells in triple negative breast cancer | CSIR | 21 lakhs | 2017-2020 |
| Provision of better health conditions-A mobile App | MHRD | 1 lakh | 2018-2019 |

XVI Consultancy Projects

| Title of the Project | Funding Agency | Amount Sanctioned | Period |
|---|-----------------------|--------------------------|---------------|
| Village and Household survey of Adopted villages | MHRD, UBA | 50,000 | 2018 |
| Midterm Assessment and Impact Assessment of water Security and sanitation programme in 110 villages | ARTS | 5 lakhs | 2018-2019 |

XVII Patents

1. TEMP/E-1/44893/2018-DEL “ Tetracycline Analogues Antimicrobial and antifungal agent”

XVIII. Extension work

1. Adopted 5 villages under UBA as UBA Coordinator i.e. Jagati, Pathavaraka, Bejjipuram, Ponduru, Etcherla and the village development plans (VDP's) currently running in the respective villages.

2. Bacterial Load in the water samples drawn from the drinking water sources of selected villages of Srikakulam District.
3. Survey on Life style diseases in selected Mandals of Srikakulam District.
4. Blood grouping in the Allinagaram village of Srikakulam District.
5. Organic farming in the Akkivalasa village of Srikaulam District
6. Survey and Awareness on ODF(Open Defecation Free) in the SrikakulmDistict.

XIX. Professional Affiliation

1. Life Member, Society of Biological Chemists, INDIA.
2. Life Member, Society for Neurochemistry INDIA(SNCI)
3. Life Member, Administrative Staff College of India (ASCI)