

## Prof.SujathaPeela, Ph.D.

Executive Council Member, Principal, Collège of Science  
Dean R&D and FR, Principal, Collège of Engineering  
Dean, College Development Council  
Dr.B.R.AmbdekarUniversity,Srikakulam  
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### Training

Degree	Year	Institution	Area
Post-DoctoralFellowship	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. Ganji Purnachandra Nagaraju, Prameswari Kasa, Begum Dariya, Nagalakshmi Surepalli, **Sujatha Peela**, Sarfraz Ahmad, 2021. Epigenetics and Therapeutic Targets in Gastrointestinal Malignancies. **Drug Discovery Today** ISSN Number 22:S1359-6446(21)00202-6.
2. Ganji Purnachandra Nagaraju, Begum Dariya, Prameswari Kasa, **Sujatha Peela**, Basel F.El-Rayes, 2021. Epigenetics in hepatocellular carcinoma. **Seminars in Cancer Biology**. Doi.org/10.1016/j.semcancer.2021.07.017.
3. Jayshree Nellore, Aparna S. Narayan, Swetha Sunkar, , Valli C. Nachiyar, C, **Sujatha Peela** 2020. Circulating Biomarkers for the Early Diagnosis of Gastrointestinal Cancers" in journal "**Critical Reviews in Oncogenesis**". 25(4):335-354.
4. Swetha Sunkar, Desam Neeharaika, Jayshree Nellore, Valli C. Nachiyar, **Sujatha Peela**, 2020 Small-Molecule-Targeted Therapies for Gastrointestinal Cancer: Successes and Failures. **Critical Reviews in Oncogenesis**, 25(4):311-333.
5. BalneyRajitha, Rama Rao Malla,, Ramakrishna Vadde,, PrameswariKasa, Ganji Lakshmi Vara Prasad,, BatoulFarran, Seema Kumari, EluriPavitra,Mohammad Amjad Kamal, GanjiSeeta Rama Raju, **SujathaPeela**, GanjiPurnachandraNagaraju. 2020. Horizons of nanotechnology applications in female specific cancers. **Seminars in Cancer Biology**. DOI .org/10.1016/j.semcancer. 2019.07.005.
6. **Sujatha Peela**,Veeranki Girijashankar, Sunil Prasad Dhanunjay Ponamgi, Nagavalli Mandali, Ganji Purnachandra Nagaraju. 2019.Novel Tetracycline SBR-22 is a functional moiety deviation and bioactive against multidrug resistant strains. **Process Biochemistry**. 85,213-218.
7. BatoulFarran,EluriPavitra,PrameswariKasa,**SujathaPeela**,GanjiSeetaRamaRaju,GanjiPurnachandraNagaraju. 2019. Folate-targeted immunotherapies: Passive and active strategies for cancer. **Cytokine & Growth Factor Reviews**.45, 45-52.
8. Bhaskar Lakkakula, BatoulFarran, SaikrishnaLakkakula, **SujathaPeela**,NagendraSastryYarla, Bramhachari P.V., Mohammad Kamal, Madhu., SudhanaSaddala, GanjiPurnachandraNagaraju.2019.Small molecule tyrosine kinase inhibitors and pancreatic cancer - trials andtroubles. **Seminarsin Cancer Biology**, 56, 149-167.
9. PolaSudhakar, Priyanka K, Angela E. Peter, B. V. Sandeep, M. Rajeswari, B. Ganga Rao, **P.Sujatha**. 2018. A Study on the proximate composition and nutritive value of local tree almonds, Prunusamygdalus.**Annals of Plant Sciences** 7.6, 2363-2372.

10. NehaMerchanta, Lakkakula V.K.S. Bhaskar,SaimilaMomina, **Peela Sujatha**, AramatiB.M.Reddy, GanjiPurnachandraNagaraju, 2018. 5-Lipoxygenase: Its involvement in gastrointestinal Malignancies. *Critical Reviews in Oncology / Hematology*127, 50–55.
11. **Sujatha Peela**, SwethalathaPorana 2017.Isolation and screening of novel streptomycetes from sediments of bay of bengal near srikakulam coast. *International Journal of CurrentPharmaceuticalResearch*. 9(1): 40-44.
12. **SujathaPeela**, KondalaraoMajji 2016. Phytochemical analysis, antimicrobial and cytotoxicactivities of *Phyllanthusniruri*.*European Journal of Biomedical and Pharmaceutical Sciences* 3(12): 605-610.
13. **Sujatha Peela**,LalithaSrideviNimmakayala,SankarraoMudadla 2016. Ethnomedicinal Practices of Savara Tribes from Eastern Ghats Near SeethampetaMandalof Srikakulam, AP, India. *World Journal of Pharmaceutical Research*5(11): 925-933.
14. **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.
15. **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.
16. **SujathaPeela** and SwethalathaPorana 2015. Investigation on the distribution of ABO and RhBlood Groups in thepopulation of Allinagaramvillage, Srikakulam District. *Journal of Chemical and Pharmaceutical Research*, 2015, 7(5):703-709.
17. **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.
17. NagavalliMandali,V.Girijashankar,S. P. D. Ponamgi, **SujathaPeela**,L. Venkateswara Rao 2014.Rifamycin SV production using immobilized cells of *mycolatopsismediterranei* OVA5-E7 in different matrices.*Journal of Chemical and Pharmaceutical Research*. 6(9):298-306.
18. Deepika DivyaKadiri, Naresh Gorle, KrishnakanthVarada Raju Peetala, **Sujatha Peela**2013. Isolation, screening and identification of Phosphate solubilizing bacteria from different regions ofVisakhapatnam and ArakuValley.*International Journal of Advanced Biotechnology and Research*. 4(4),518-526.
19. **SujathaPeela**, DhanunjayPonamgi, NagavalliMandali, Ramana Terli 2012.Mutation induced enhanced production of novel antibiotic SBR-22 by *Streptomyces**spsammoticus*BT-408(MTCC- 4902). *Journal of Pharmacy research*. 5(8),4480-4483.
20. P Shamsher 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.
21. Radakrishna, E Shamsher Kumar **P., SuajthaPeela**. 2011. Taxonomy extraction and TLCBioautographymarine sponge isolated bacterium Bacillus subtilis (MTCC No 10619) for the production of antimicrobial metabolites. *Developmental Microbiology and Molecular biology* 2, (1) 29-36.
22. NallbilliLokeswari, **Peela Sujatha**. 2011. Isolation of Tannins from *Caesalpinia Coriaria* and effect of physical parameters. *International Research Journal of Pharmacy*. 2(2)146-152.
23. Radhakrishna E, Shamsher 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.
24. 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.
25. 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.
26. Adinarayana, G., Venkateshan, MR., Bapi Raju KVVS.N., **Sujatha, P.**, Premkumar, J., Ellaiah, p., Zeeck, A. 2006. Cytotoxic compounds from the marine actinobacterium. *BioorganicheskaiiaKhimii.*, 32(3):328-334.
27. 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*AUBN<sub>1</sub>/7. **Journal of Antibiotics**,58(8), 526-529.
28. 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.
  29. **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.
  30. **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.
  31. 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.
  32. 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.
  33. 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.
  34. **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.
  35. **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.
  36. **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.
  37. 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.

## 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.

### 1. 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

<b>IMMUNOLOGY</b>	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.
<b>CELL CULTURE</b>	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.
<b>MOLECULAR BIOLOGY</b>	Isolation of DNA, RNA, Cloning, Gene expression, PCR, RT-PCR, Real time PCR, EMSA, Antibody super shift, Autoradiography, Southern Hybridization, Radiolabelling techniques, Transfection.
<b>BIOCHEMISTRY</b>	Electrophoresis, Chromatography, Spectrophotometry, Fluorimetry, Luminometry, Protein and Enzyme assays.
<b>MICROBIOLOGY</b>	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. Best Researcher Award by Governor of Andhra Pradesh State and Chancellor of Dr.B.R.Ambedkar University, his Excellency Biswabhusan Harichandan at the Second Convocation of Dr.B.R.Ambedkar University, Srikakulam on 9<sup>th</sup> March 2022.
2. Fellow, Andhra Pradesh Academy of Sciences (FAPAS) 2021 from Andhra Pradesh Academy of Sciences.
3. Certificate of appreciation from Youth Club of Bejjipuram, for UBA Team member at Bejjipuram adopted Village on 08-03-2021 on account of "International Women's Day" celebrations.
4. Certificate for Perennial Assistance Award from Unnat Bharat Abhiyan (UBA), and announced on 15<sup>th</sup> August, 2020 by UBA National Coordinating Institute IIT Delhi.
5. Dr. Sarvepalli Radhakrishnan Award 2019 for recognition as Best Academician of the Year 2019 received from Prof. K.Ramji, Hon'ble Vice-Chancellor, Dr.B.R. Ambedkar University, Srikakulam, 5<sup>th</sup> September 2019.
6. Certificate of appreciation from Youth Club of Bejjipuram, for UBA Team member at Bejjipuram adopted Village.

7. State Teacher Award 2018 received from Hon'ble Chief Minister Sri Nara Chandrababu Naidu Govt. of Andhra Pradesh, 5<sup>th</sup> September, 2018, Amaravati, Andhra Pradesh
8. University Best Teacher Award 2018, received from Prof. K.Ramji, Hon'ble Vice-Chancellor, Dr.B.R. Ambedkar University, Srikakulam, 5<sup>th</sup> September 2018.
9. Award from Youth Club of Bejjipuram (Sthree Sakthi Puraskaram), March 8<sup>th</sup> 2019 received from M. Prasad Rao.
10. Certificate of Excellence from Geetha Srikanth Foundation for the Academic Year 2019-20.
11. Certificate of Merit from Action in Rural Technology and Service (Arts) for the Academic Year 2019-20.
12. Certificate of Appreciation from Rotary Club - Srikakulam for the Academic year 2019-20
13. Certificate of Recognition from Mitra Foundation for the Academic Year 2019-2020.
14. Certificate of Merit from Sikkolu Yuva Sakthi for the Academic Year 2019-20.
15. Certificate of Merit from Action in Rural Technology and Service (Arts) for the Academic Year 2018-19.
16. Certificate of Excellence from Geetha Srikanth Foundation for the Academic Year 2018-19.
17. Certificate of Merit from Sikkolu Yuva Sakthi for the Academic Year 2018-19.
18. Certificate of Appreciation from Rotary Club - Srikakulam for JRC/YRC State Award for the Academic year 2018-19
19. Certificate of Recognition from Mitra Foundation for the Academic Year 2018-19.
20. Certificate of Merit from Action in Rural Technology and Service (Arts) for the Academic Year 2017-18.
21. Certificate of Recognition from Mitra Foundation for the Academic Year 2017-18.
22. Certificate of Merit from Sikkolu Yuva Sakthi for the Academic Year 2017-18.
23. Certificate of Excellence from Geetha Srikanth Foundation for the Academic Year 2017-18.
24. Certificate of Merit is Awarded on the eve of Vocational Day Celebrations on 29<sup>th</sup> April 2018 from Rotary Club - Srikakulam.
25. Certificate of Merit from Action in Rural Technology and Service (Arts) for the Academic Year 2016-17.
26. Certificate of Recognition from Mitra Foundation for the Academic Year 2016-17.
27. Certificate of Merit from Sikkolu Yuva Sakthi for the Academic Year 2016-17.
28. Certificate of Excellence from Geetha Srikanth Foundation for the Academic Year 2016-17.
29. Certificate of Appreciation from Rotary Club - Srikakulam for the Academic year 2016-17.
30. Certificate of Merit from Action in Rural Technology and Service (Arts) for the Academic Year 2015-16.
31. Certificate of Recognition from Mitra Foundation for the Academic Year 2015-16.
32. Certificate of Excellence from Geetha Srikanth Foundation for the Academic Year 2015-16.
33. Certificate of Merit from Sikkolu Yuva Sakthi for the Academic Year 2015-16.
34. Secured **University First Rank (Gold medalist)** for M.Sc. Biotechnology (1996-1998) ,Andhra University, India)
35. Qualified prestigious Government of India CSIR-UGC (Council of Scientific and Industrial Research- University Grants Commission) National Eligibility Test –Junior Research Fellowship (2002-2004)
36. Obtained prestigious Government of India Senior Research Fellowship (UGC-SRF) (2004).
37. Qualified Indian Council of Agricultural Research National Eligibility Test in Animal Biotechnology Discipline. (**ICAR**) - (1999).
38. Biography was listed in **Marquis Who's Who in Science and Engineering, 2006-2007**
39. Biography was listed in **Marquis Who's Who in Asia, 2006-2007**
40. Biography was listed in **Marquis Who's Who on Web**
41. Teaching assistantship 2001-2006, Department of Biotechnology, Andhra University, India.
42. Post-doctoral fellowship 2006-2009, Department of Medicine, University of Chicago, **USA**.
43. Certificate Course in **Clinical training programme** “Essentials of Patient Oriented Research” 2007-2008, University of Chicago, Chicago, IL, **USA**.

## VI. Critical Roles

1. Dean, CDC Dr.B.R.Ambedkar University, Srikakulam.
2. Coordinator, NAAC Dr.B.R.Ambedkar University, Srikakulam
3. Principal I/c., College of Engineering, Dr.B.R.Ambedkar University, Srikakulam.
4. Executive Council Member, Dr.B.R.Ambedkar University, Srikakulam.
5. Principal, College of Science, Dr.B.R.Ambedkar University, Srikakulam.
6. Dean, Research Development & Foreign Relations, Dr.B.R.Ambedkar University, SKLM.
7. Faculty Chairperson, Faculty of Science, Dr.B.R. Ambedkar University, SKLM.
8. Coordinator, IQAC (Internal Quality Assurance Cell) Dr.B.R.Ambedkar University, SKLM.
9. Coordinator, Unnath Bharat Abhiyan 2.0 (UBA 2.0), Ministry Human Resource Development (MHRD), Govt. of India.
10. Nodal Officer, RTI Cell, Dr.B.R.Ambedkar University, Srikakulam.
11. Convener, Women Grievance Cell Committee, Dr.B.R.Ambedkar University, Srikakulam.
12. Selection Committee Member as Women Nominee for Faculty Recruitment, Dr.B.R.Ambedkar University, Srikakulam.
13. Scrutiny Committee Member, Faculty Recruitment, Dr.B.R.Ambedkar University, Srikakulam.
14. Member, University Building Committee, Dr.B.R.Ambedkar University, Srikakulam.
15. Member, Hostel Affairs Committee, Dr.B.R. Ambedkar University, Srikakulam.
16. Member, Annual Report Committee, Dr.B.R. Ambedkar University, Srikakulam.
17. Member, Research Courses Committee, Dr.B.R. Ambedkar University, Srikakulam.
18. Member, Examination Review Committee, Dr.B.R. Ambedkar University, Srikakulam.
19. Member, Internal Sports Committee, Dr.B.R. Ambedkar University, Srikakulam.
20. Member, Disciplinary Committee, Dr.B.R.Ambedkar University, Srikakulam
21. Member, CPC, Dr.B.R.Ambedkar University, Srikakulam
22. Member, DOA, Dr.B.R.Ambedkar University, Srikakulam
23. Chairman-BOS, Dept. of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam.
24. Member, BOS, Dept of Foods and Nutritional Sciences, Acharya Nagarjuna University, Guntur.
25. Member, BOS, Dept. of Zoology, Govt. College for Women, Srikakulam
26. Head, Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam.
27. Course Coordinator, Department of Organic Chemistry, Dr.B.R.Ambedkar University, Srikakulam.
28. Member, Advisory Committee for Anti ragging, Dr.B.R. Ambedkar University, Srikakulam.
29. Member, Board of Studies, Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam.
30. Chairman, Department Research Committee, Department of Biotechnology, Dr.B.R.Ambedkar University, Srikakulam
31. Chief Superintendent for conducting PG exams of Dr.B.R.Ambedkar University, Srikakulam.
32. Paper setter for PG examinations, Adikavi Nannaya University, Rajahmundry.
33. Paper Setter for B.Tech (BT) Examinations, JNTU, Anantapur.
34. Syllabus framed for Integrated M.Sc. Biotechnology Programme in GITAM University
35. Syllabus framed for Distance mode M.Sc. Biotechnology Programme in GITAM University.
36. Squad Member for UG & PG Examinations of Dr.B.R.Ambedkar University, Srikakulam
37. Member, College Inspection Committee, Dr.B.R.Ambedkar University, Srikakulam

38. Ph.D. thesis Adjudicator of Andhra university, Mysore University, Bangalore University, Acharya Nagarjuna University, Banasthali Vidyapeeth.
39. Ph.D. Viva-Voce Examiner of Andhra University, Bangalore University.
40. Examiner for M.Sc. Biotechnology & Microbiology, Andhra University.
41. Expert for evaluation of Pre-Ph.D. Exams, Dept. of Biotechnology, JNTU, Anantapur.
42. Member, Joint Inspection Committee, APSHE.

## VII. Reviewer

1. Reviewer of “**Current Drug Metabolism**” Bentham Science Publishers
2. Reviewer of “**Deep Sea Research Part-I**” of Elsevier publishers.
3. Reviewer of “**Indian Journal of Biotechnology**” of NISCI, CSIR.
4. Reviewer of “**Indian journal of biochemistry & biophysics**”.
5. Reviewer of “**International Journal of Pharma and Biosciences**”
6. Reviewer of “**Journal of Applied Pharmaceutical Science**”
7. Reviewer of “**BMC Microbiology**”
8. Reviewer of “**Asian Journal of Nanosciences and Materials**”

## VIII. Books published

1. Anil Kumar Moola, S. Geetha Renuka, Harish Kumar Seenivasan, Nivethitha Manickam, **Sujatha Peela**, B.D. Ranjitha Kumari. Curing of liver cancer: an update on the efficacy of bioactive compounds. 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Translational and Clinical Outcomes. Edited by. Ganji Purnachandra Nagaraju, Sarfraz Ahmad. Academic Press, **Elsevier**, ISBN: 978-0-323-99283-1. Vol 3, Chapter 6, 81-88.
2. Neha Merchant, **Sujatha Peela**, Afroz Alam and Ganji Purnachandra Nagaraju . Curcumin formulated nanoparticles for hepatocellular carcinoma 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Translational and Clinical Outcomes. Ed. Ganji Purnachandra Nagaraju, Sarfraz Ahmad. Academic Press, **Elsevier**, ISBN: 978-0-323-99283-1. Vol 3, Chapter 11, 161-169.
3. Ankit Banik, Karishma Shaw, Aejaz Ahmad Dar, **Sujatha Peela**, Pavan Kumar Kancharla. Liver cancer: the tumor microenvironment and associated pathways. 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Diagnosis, Therapeutic Targets, and Molecular Mechanisms. Edited by. Ganji Purnachandra Nagaraju, Ramakrishna vadde. Academic Press, **Elsevier**, ISBN: 978-0-323-98807-0. Vol 2, Chapter 6, 59-73.
4. Pradeep Madhamanchi, Kishore Madhamanchi, Sujatha Peela, Panchareddy Madhava Rao, Pallaval Veera Bramhachari and Prakash Babu Panithi. Proliferative signaling pathways in hepatocellular carcinoma. 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Diagnosis, Therapeutic Targets, and Molecular Mechanisms. Edited by. Ganji Purnachandra Nagaraju, Ramakrishna vadde. Academic Press, **Elsevier**, ISBN: 978-0-323-98807-0. Vol 2, Chapter 16, 255-271.
5. Neha Merchant, Afroz Alam, Sujatha Peela and Ganji Purnachandra Nagaraju Targeting angiogenesis in hepatocellular carcinoma . 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Diagnosis, Therapeutic Targets, and Molecular Mechanisms. Edited by. Ganji Purnachandra Nagaraju,

- Ramakrishna vadde. Academic Press, **Elsevier**, ISBN: 978-0-323-98807-0. Vol 2, Chapter 17, 273-278.
6. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Volume 1 Biology and Pathophysiology. Edited by Ganji Purnachandra Nagaraju, **Sujatha Peela**. 2022 ., Academic Press, **Elsevier**, ISBN: 978-0-323-98806-3.
  7. Begum Dariya, Sujatha Peela ,Ganji Purnachandra Nagaraju Cell origin, biology, and pathophysiology of hepatocellular carcinoma. 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Biology and Pathophysiology. Edited by Ganji Purnachandra Nagaraju, **Sujatha Peela**. Academic Press, **Elsevier**, ISBN: 978-0-323-98806-3. Vol.1, Chapter-1, 1-10.
  8. Deepika Divya Kadiri, Sujatha Peela ,Debayan Ganguli Effect of cirrhosis and hepatitis on the prognosis of liver cancer 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Biology and Pathophysiology. Edited by Ganji Purnachandra Nagaraju, **Sujatha Peela**. Academic Press, **Elsevier**, ISBN: 978-0-323-98806-3. Vol.1, Chapter-4, 51-72.
  9. Syamala Soumyakrishnan, Cheemachanahalli Muninanjappa Mohan Gowda, Shivanna Uma, Meghavarnam Anil Kumar,Sujatha Peela , Meenakshisundaram Sreepriya Influence of endoplasmic reticulum stress and unfolded protein response in the onset and progression of hepatocellular carcinoma 2022. Theranostics and precision Medicine for the management of Hepatocellular carcinoma . Biology and Pathophysiology. Edited by Ganji Purnachandra Nagaraju, **Sujatha Peela**. Academic Press, **Elsevier**, ISBN: 978-0-323-98806-3. Vol.1, Chapter-15, 219-242.
  10. Iffath Badsha, R.Renjith Kumar, Swetha Sunakar, Jayashre Nellore, M. Bavanilatha, **Sujatha Peela**, Valli C Nachiyar,. 2021.”Preventive Effect of Indian Food on Colorectal Cancer”; Colon Cancer Diagnosis and Therapy Volume-2, Edited by Naveen Kumar Vishvakarma, Ganji Purnachandra Nagaraju, Dhananjay Shukla., **Springer**. ISBN 978-3-030-64667-7. Chapter -16, 357-400.
  11. Aparna S Narayan, Jayashre Nellore, Valli C Nachiyar, **Sujatha Peela**. 2021.”Examining the role of the MACC1 gene in Colorectal Cancer Metastasis”; Colon Cancer Diagnosis and Therapy Volume-1, Edited by Ganji Purnachandra Nagaraju, Dhananjay Shukla, Naveen Kumar Vishvakarma. **Springer**. ISBN978-3-030-63368-4. Chapter -16, 327-352.
  12. Novel Therapeutic Approaches for Gastrointestinal malignancies. Book Edited by Ganji Purnachandra Nagaraju, **Sujatha Peela**. 2020 **Springer**. ISBN 978-981-15-5470-4.
  13. Ritu Sarin, **Sujatha Peela**. 2020. “Immunotherapy in Gastrointestinal Malignancies”. Novel Therapeutic Approaches for Gastrointestinal malignancies. Edited by Ganji Purnachandra Nagaraju, **Sujatha Peela**. 2020 **Springer**. ISBN 978-981-15-5470-4. Chapter 2 ; 15-30.
  14. Syamamal Soumyakrishnan, Rashmi Nagesh, **Sujatha Peela**, Sreepriya. 2020. “Epigenetic Biomarkersfor the detescction of Gastrointestinal Cancers”. Novel Therapeutic Approaches for Gastrointestinal malignancies. Edited by Ganji PurnachandrNagaraju, **Sujatha Peela**. **Springer**. ISBN 978-981-15-5470-4, Chapter -5; 59-82.
  15. **Sujatha Peela**, Dariya Begum, Ganji Purna Chandra Nagaraju. 2020. “Role of Selected Transcription factorsin Pancreatic and Colorectal cancer growth and Metastasis”. Novel Therapeutic Approaches for Gastrointestinal malignancies. Edited by Ganji Purnachandra Nagaraju, **Sujatha Peela**. **Springer**. ISBN 978-981-15-5470-4, Chapter-12; 193-208.
  16. P.S. Pradeep, D.Sivaraman, Jayashree Nellore and **Sujatha Peela**. 2020. Female Specific CancerAtheranostic and Precision medicine approach for female specific cancers. Academic Press, **Elsevier**. ISBN:978-0-12-822009-2. Chapter 9; 179-191.
  17. K Ramji, **SujathaPeela**, V Srinivas Chary, G Bala Subramanyam, Y Malini Reddy, Meryl Jacob, 2018. Student Handbook:FaecalSludge and Septage Management by **Administrative Staff College of India**, Govt. of Andhra Pradesh.
  18. **SujathaPeela**, B.N.Devendra. 2010. Microbiology and Immunology self-learning material for distance mode Biotechnology by GITAM University.
  19. B.N. DevendraSujathaPeela, 2010Cell biology and Genetics self-learning material for distance mode Biotechnology by GITAM University.
  20. **Sujatha Peela**, B.N.Devendra. 2010. Microbiology and Immunology Laboratory Manual for Distance mode Biotechnology by GITAM University.



## **IX. International & National Conferences/Seminars/Workshops/Training Programmes attended**

1. Symposium on “WOMEN SAFETY” in view of International Women’s Day as a Speaker on 06-03-2021 at BapujiKalamandir , Srikakulam.
2. “One Day Swachhta Action Plan Online Workshop” organized by Mahatma Gandhi National Council of Rural Education on 4<sup>th</sup> June 2020.
3. Impact of COVID-19 on the Development of Rural Economy – Challenges and Opportunities Jointly organized by Lead India Foundation & JNTUA, Ananthapuramu.
4. National Webinar on Revised NAAC Assessment and Accreditation Process Organized by National Assessment and Accreditation Council, (NAAC) Bangalore and Sant gadge baba Amaravati University, (SGBAU) Amaravati. On 4<sup>th</sup> July 2020.
5. Webinar series part 2 – Best Practices on Diversity & Inclusion during COVID – 19: Focus on PWDS, LGBTQ & Marginalized Group Organized by ASSOCHAM on Jun 22, 2020.
6. Two day International Webinar on “Nutrition and Immune System Support During Covid – 19 Pandemic” Organized by Department of home Science , Sri padmatimahila Visvavidyalayam, tirupati, from 15<sup>th</sup> – 16<sup>th</sup> June 2020.
7. Attended the Webinar “Neurodegenerative Diseases – Challenges and Excitements” Organized by Mizoram University Aizawl, India on 01 May 2020.
8. National Conference of “BhartRatna Dr. Babasaheb Amdkarji’s Life, Thoughts and Social Harmony” Organized by Dr. Babasaheb Ambedkar University, Ahmedabad on 14 – Apr – 2020.
9. Online Workshop on Intellectual Property Rights, jointly organized by the Pandit Deendayalm Petroleum University, Gujarat & IPPO, India during 10<sup>th</sup> & 11<sup>th</sup> April 2020.
10. Participated in the One day “Regional Workshop for orientation of participating Institutes to Initiate work in Adopted village Clusters “Organized by Regional Coordinating Institute (RCI ), Unnat Bharat Abiyan, Andhra University, Visakhapatnam on 26<sup>th</sup> Feb 2020.
11. National Conclave on “Opportunities for Academia & Industry Collaboration in Technology Transfer & IP Facilitation for Start – Ups, MSMEs & Industries “Organized by National Research Development Valley, APIS, Visakhapatnam & Andhra Pradesh Innovation Society, Visakhapatnam on 24<sup>th</sup> Feb ,2021.
12. National Seminar on “Advances and Challenges in Biological Sciences” (ACBS-2020), Sponsored by World bank Group under OHEPEE, Organized by P.G.Department of Zoology, Berhampur University, Odisha, India – 760007, on 12&13 Feb ,2020.
13. UGC Sponsored National Seminar on “Eco friendly technologies for Sustainable Waste Management “Presented a paper entitled “Technologies for Fecal Sludge Management ODF+ Organized by the Department of Environmental Sciences, Acharya Nagarjuna University, Guntur, on 7<sup>th</sup> & 8<sup>th</sup> February, 2020.
14. Two Day National Conference on “Future Challenges of Higher Education Institutes in Assessment Accreditation and Ranking Framework Methodologies” (FCHIARF-2020) organized by IQAC, Government College for Women(A), Srikakulam on 31<sup>st</sup> Jan & 1<sup>st</sup> Feb 2020.
15. One Day National level Workshop on “A&A for State funded Universities to facilitate Accreditation Process” organized by National Assessment and Accreditation Council (NAAC) Bengalooore, on 27<sup>th</sup> Jan, 2020.
16. One Day Curriculum development Workshop for “Building Rural Resilience” organized by Mahatma Gandhi National council of Rural Education (MGNCRE) Department of Higher Education, Ministry of Human Resource Development, Government of India, in Collaboration with UNICEF & Dr.B.R.Ambedkar University, Srikakulam, on 25<sup>th</sup> Jan, 2020.
17. One Day Capacity Building Training on “Drug Abuse Prevention” organized by Social Work Dr.B.R.Ambedkar University, Srikakulam, on 23<sup>rd</sup> Jan, 2020
18. Two day National Seminar on “Privatization of Secondary education in India: Issues and challenges” organized by Department of Education, Dr.B.R.Ambedkar University, Srikakulam & Indian Council of Social Science Research , New Delhi, Andhra Pradesh on 20<sup>th</sup> & 21<sup>st</sup> December, 2019.
19. Natioanl Seminar on “Emerging issues in Rural Development with Special Reference to Andhra Pradesh” Organized by Department of Rural Development, Dr.B.R.Ambedkar University, Srikakulam, with collaboration of NABARD , Mumbai & ICSSR, New Delhi on 11<sup>th</sup> & 12<sup>th</sup> December, 2019.
20. Special Workshop on “Protection of GI for Empowering Rural Craftsmen through technological Interventions” Organized by National Research Development Corporation (NRDC), New Delhi, in association with Dr.B.R.Ambedkar University, Srikakulam, on 28<sup>th</sup> Nov, 2019

21. One Day workshop on NIRF Ranking organized by Andhra Pradesh State Council of Higher Education, ANU, Guntur, 17<sup>th</sup> September 2019.
22. "Isolation and Structural Characterization of Novel tetracycline SBR-22 from marine sediments of Bay of Bengal Ocean" **Sujatha Peela**. 3<sup>rd</sup> International Conference on Healthcare and Allied Sciences Organized by Lincoln University College, Malaysia, 25<sup>th</sup> -26<sup>th</sup> September 2019.
23. DST INSPIRE Internship Science Camp organized by Government Degree College (Men) Srikakulam as Mentor on the topic entitled "Inspiring Genetics" 23<sup>rd</sup>-27<sup>th</sup> September 2019.
24. "Novel Tetracycline SBR-22 is a functional moiety deviation and bioactive against multidrug resistant strains" **SujathaPeela**. International Conference on Recent advances in chemical, pharmaceutical and life processes (RACPL-2019) organized by Andhra University, Visakhapatnam, 13<sup>th</sup> -15<sup>th</sup> July 2019.
25. "Industry- Innovation Connect1.0" Organized by Innovation Valley, National Research Development Corporation (NRDC) & Vizag Industrial Scan, Novatel, Visakhapatnam, 15<sup>th</sup> May 2019.
26. Regional Level Meeting with Employability Skill centre college Principals Organized by AP state Skill Development Corporation (APSSDC), Andhra University, Visakhapatnam, 14<sup>th</sup> May 2019.
27. 8<sup>th</sup> International Conference on Sustainable waste Management organized by ISWMAW, Acharya Nagarjuna University, Guntur, AP, 22<sup>nd</sup>-24<sup>th</sup> Nov 2018.
28. Two Day National Seminar on Drug Abuse Prevention: Role of Youth" organized by Dept. Of Social work, Dr. BRAU, SKLM. 19<sup>th</sup> -20<sup>th</sup> Dec 2018.
29. Sanction of technology demonstration/customisation project and Orientation workshop organized by UBA, IIT, Delhi. 16<sup>th</sup>-17<sup>th</sup> Nov 2018.
30. 43<sup>rd</sup> Annual conference of Indian Society of blood transfusion Immunohematology. Organized by ISBTI, Andhra Pradesh State, Novatel, Visakhapatnam. 26<sup>th</sup> -28<sup>th</sup> Oct 2018.
31. National Seminar on "Environmental Health and Biotechnological Applications on Food & Pharma Industries (EHBAPPI). Organized by Dept. Of Biotechnology & FND, Andhra University, Visakhapatnam. 27<sup>th</sup> -28<sup>th</sup> Oct 2018.
32. One Day workshop on Accreditation of Unaccredited Universities by NAAC, Bangalore. CSTD, Dr.B.R.Ambedkar Open University, Hyderabad. 1<sup>st</sup> Oct 2018
33. One Day workshop on "Adoption, Promotion & Production of MOOCs on SWAYAM platform" Organized by University Grants Commission (UGC), Maulana Azad National Urdu University, Hyderabad. 31<sup>st</sup> August 2018.
34. "Activities Planning Workshop for Unnat Bharat Abhiyan for Village Clusters" Organized by National Institute of Rural Development and Panchayati Raj (NIRD&PR), Ministry of Rural Development, Govt. of India, Hyderabad. 26<sup>th</sup> July 2018.
35. "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.
36. 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 25<sup>th</sup>, 2018.
37. "Anticancer activity of cyclo-Leu-Pro-diketopiperazine from marine actinomycete against triple negative breast cancer cell line" **SujathaPeela**, Ramarao Malla. ICGEB-NASSL South Asian Biotechnology Conference (SABC 2018) Colombo, Sri Lanka. 28<sup>th</sup> -30<sup>th</sup> March 2018.
38. World Cancer Day-2018. Organized by Department of Biochemistry & Bioinformatics, GIS, GITAM University, Visakhapatnam, 3<sup>rd</sup> Feb 2018.
39. 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.Ambedkar University, Srikakulam. 30<sup>th</sup> Jan 2018.

40. 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, 27<sup>th</sup>Jan 2018.
41. “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. 7<sup>th</sup> -9<sup>th</sup> Nov 2017.
42. “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 26<sup>th</sup> Oct 2017.
43. Workshop on “Faecal Sludge &SeptatageManagement for Academic Institutions in Andhra Pradesh” Organized by Administrative Staff College of India (ASCI), Novatel, Visakhapatnam. 13<sup>th</sup>-14<sup>th</sup> Oct 2017.
44. National Workshop on “DNA Barcoding and Phylogenetics” Organized by DBT-Bioinformatics Infrastructure facility, Dept. of Marine Living Resources, Andhra University, Visakhapatnam. 9<sup>th</sup> -12<sup>th</sup> Aug 2017.
45. National Workshop on “Capacity Building in Biology &Allied Sciences” Organized by Dept. of Biotechnology, Government Degree College, Srikakulam. 1<sup>st</sup> -3<sup>rd</sup> April 2017.
46. National workshop on Dissemination of Geospatial Technology for Department of Andhra Pradesh. Organized by APSAC &Dr.B.R.Ambedkar University, Srikakulam. 7<sup>th</sup> March 2017.
47. “Inflammatory Bowel Disease: Intestinal T-cell Regulation by NOD2” **Sujatha Peela**, Clara Abraham. 43<sup>rd</sup> Annual Conference of the Indian Immunological Society (IIS) Organized by GITAM University, Visakhapatnam from 16<sup>th</sup>- 18<sup>th</sup> Feb 2017.
48. National Women’s Parliament Organized by Legislative Assembly, Andhra Pradesh, Amaravati, Andhra Pradesh. 10<sup>th</sup> -12<sup>th</sup> Feb 2017.
49. “Vijnan Prakash”, Six-day training Workshops on Science & Technology Communication through Digital Media. Organized by AASRA. 16<sup>th</sup> Dec-22<sup>nd</sup> Dec 2016.
50. International Conference on Recent Advances in Aquaculture (RAA-2016) Organized by Dept. of Marine Living resources, CST, Andhra University, Visakhapatnam. 16<sup>th</sup>-17<sup>th</sup> Dec 2016.
51. National Conference on Recent Trends in Neurological and Psychiatric Research (Dec. 9-11), Organized by Centre for Cellular and Molecular Biology (CCMB), Hyderabad.9-11<sup>th</sup> Dec 2016.
52. Phytochemical screening and antimicrobial activity of Ethanomedicinal plants of Eastern Ghats near Seethampetamandal, Srikakulam against Skin Diseases. **SujathaPeela**, LalithaSrideviNimmakayala.AP Science Congress 2016 jointly Organized by AP Akademi of SceincesAmaravati, Dr.NTRUniversity of Health Sciences, Acharya Nagarjuna University and Krishna University, Vijayawada, 7<sup>th</sup>-9<sup>th</sup> Nov 2016.
53. One Day Workshop on “Quality in Education: A Comparative Study” Organized by Dept. of Education, Dr.B.R.Ambedkar University, Srikakulam. 5<sup>th</sup> Nov 2016.
54. DBT sponsored Workshop on “Capacity building in molecular Biology” Organized by Dept. of Biotechnology, Govt. Degree College (Men) Srikakulam. 26<sup>th</sup> -30<sup>th</sup> Sep 2016.
55. 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. 29<sup>th</sup> -31<sup>st</sup>March 2016.
56. One Day Workshop on Emerging Children with Emerging Technologies Organized by Department of Education, Dr.B.R.Ambedkar University, Srikakulam on 22<sup>nd</sup>March 2016.
57. 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, 16<sup>th</sup> -17<sup>th</sup> March 2016.

58. DBT-BIF Workshop on High Throughput Biological Data Analysis organized by Bioinformatics infrastructure facility, Dept. of Marine Living resources, Andhra University, Visakhapatnam, 23<sup>rd</sup> -26<sup>th</sup> Feb 2016.
59. Actinomycetes from Srikakulam Coast marine sediments of Bay of Bengal; Diversity and Biological activity. **SujathaPeela**, 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, 6<sup>th</sup> -8<sup>th</sup> Jan 2016.
60. 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), 16<sup>th</sup> -17<sup>th</sup> Dec 2015.
61. Taxonomic characterization of potent marine actinomycete A10 using Scanning Electron Microscopy. **SujathaPeela**, Swethalatha Porana, Madhava Rao Panchareddy, Satish Badda. International conference on Recent advances in Biosciences and applications of engineering in production of biopharmaceuticals (RABAEB-2015) & 9<sup>th</sup> Annual Convention of Association of Biotechnology and Pharmacy. Organized by Dept. of Biotechnology, ANU, KL, ABAP, KL University, 14-16 Dec 2015.
62. National Workshop on Advanced Analytical and Molecular Techniques, organized by Advanced Analytical Laboratory, DST-PURSE programme, Andhra University, Visakhapatnam. Nov 30<sup>th</sup> & Dec 1<sup>st</sup> 2015.
63. Cytotoxic activity of crude extracts of two sponges, *fasciospongiacavernosa* doc var. brown & *fasciospongiacavernosa* doc var. yellow. **SujathaPeela**. DBT sponsored National Workshop cum Seminar on "Uplifting of Society through Biotechnology". Department of Biotechnology, Govt. Degree College Men, Srikakulam. Nov 5<sup>th</sup> -7<sup>th</sup>, 2015.
64. An anti-cytokine bioactivity Assay for Interferon Beta-1b. **SujathaPeela**, Manoj Kumar Metta. National Conference on Natural Therapeutics for Cancer, Diabetes and renal diseases (NTCDR), Dept of Biochemistry and Bioinformatics, GIS, GITAM University, Visakhapatnam. 27<sup>th</sup>-28<sup>th</sup> March 2015.
65. Investigation on the ethno medicinal practices of Savara tribes of srikakulam district for anti-proliferative and anticancer activity using cell lines. **SujathaPeela**, Madhava Rao Panchareddy. 19<sup>th</sup> Annual Convention and 2<sup>nd</sup> International Conference of the Indian Society of Pharmacognosy ICSP-2015, AU College of Pharmaceutical Sciences, Visakhapatnam. March 20<sup>th</sup> to 22<sup>nd</sup>, 2015.
66. National Workshop on Science and Society (Under TEQIP Phase-II). Dept of Engg. Chemistry, A.U. College of Engineering (A), Andhra University, Visakhapatnam. 27-28<sup>th</sup> February 2015.
67. Study on the plant derived natural products in the treatment of cardiovascular diseases. **SujathaPeela**. PERFUSION-CON-2014, organized by Society of Andhra Perfusionists (SAP), AMCOSA, Visakhapatnam, 23<sup>rd</sup> Aug 2014.
68. Role of Effluents on environment. **SujathaPeela**. International Conference on Effects of Emissions & Effluents on environment EEEE-2014, AU college of Engineering, Andhra University, Visakhapatnam. 30<sup>th</sup> June & 1<sup>st</sup> July 2014.
69. Transgenic Mouse models. **Sujatha Peela**. CME & National Seminar on Immune Interface of Host- Pathogen Interactions organized by Dept. of Biochemistry, Andhra University, Visakhapatnam. 7<sup>th</sup> - 8<sup>th</sup> Dec 2013.
70. 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. 17<sup>th</sup> -18<sup>th</sup> May, 2013.
71. Genomics and Proteomics. **Sujatha Peela**. Training Programme on Bioinformatics: A New Frontier for Biology Teaching organized by DBT-BIF, Andhra University, and Visakhapatnam. 20<sup>th</sup> -22<sup>nd</sup> July 2012.

72. 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 30-31<sup>st</sup> 2012.
73. 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 4<sup>th</sup> -5<sup>th</sup> 2012.
74. 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 14<sup>th</sup>-16<sup>th</sup> 2011.
75. 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 14<sup>th</sup>-16<sup>th</sup> 2011.
76. 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 14<sup>th</sup> & 15<sup>th</sup> 2011.
77. 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 9<sup>th</sup> 2011.
78. 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 2<sup>nd</sup>-4<sup>th</sup>, 2010.
79. Workshop on Self learning Material Preparation, Centre for Distance Learning, GITAM University, Visakhapatnam. 26-27<sup>th</sup> Dec 2009.
80. 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. 11<sup>th</sup>-12<sup>th</sup> Dec 2009.
81. 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. 11<sup>th</sup>-12<sup>th</sup> Dec 2009.
82. Workshop on Environmental pollution and its impact on climate change organized jointly by AP Pollution control Board & GITAM University, Visakhapatnam, 3<sup>rd</sup> Dec 2009.
83. 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, Bharatiya University, Coimbatore. July 22<sup>nd</sup>-24<sup>th</sup> 2009.
84. 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 13<sup>th</sup>-17<sup>th</sup> 2008, San Francisco, USA.
85. Biophysical annual society meeting 2008, **Sujatha Peela**. Long Beach Convention center, Long Beach, California, USA Feb 2-6<sup>th</sup> 2008.
86. Seminars on Scientific integrity and the ethical conduct of Research, **Sujatha Peela**. Committee on molecular Medicine, University of Chicago, Chicago, USA July 10-21<sup>st</sup> 2007.
87. 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<sup>nd</sup>&3<sup>rd</sup>. 2005.
88. 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. 56<sup>th</sup> Indian Pharmaceutical Congress, Kolkata, Dec. 3<sup>rd</sup>-5<sup>th</sup>, 2004.
  89. 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. 27<sup>th</sup> - 28<sup>th</sup>. 2004.
  90. 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. 27<sup>th</sup> - 28<sup>th</sup>. 2004.
  91. 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. 2<sup>nd</sup> - 3<sup>rd</sup>. 2004.
  92. Exploiting marine Streptomyces 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. 2<sup>nd</sup> - 3<sup>rd</sup>. 2004.
  93. Biotech India International 2003. International Exhibition and Conference on Biotechnology, Hyderabad, during 24<sup>th</sup>-27<sup>th</sup> September 2003.
  94. Studies on Marine Streptomyces and their Bioactive compounds. P. Ellaiah, T. Ramana, K.V.V.S.N. Bapiraju, **P. Sujatha** and A. Uma Sankar and 54<sup>th</sup> Annual meeting of Indian Pharmaceutical Congress (IPC), Pune, during Dec. 2<sup>nd</sup> - 5<sup>th</sup> 2002.
  95. 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.

## X. Seminar/ Workshop/Meet Organized

1. Refresher course in Recent Trends in Molecular Biology technology: Concepts & Practice organized by, Science Academies' Indian Academy of Sciences – Bangalore, Indian National Science Academy - New Delhi, The National Academy of Sciences India-Allahabad in Collaboration with Department of Biotechnology, Government Degree & PG College (Men)- Srikakulam and Department of Biotechnology Dr. B.R. Ambedkar University – Srikakulam from 2<sup>nd</sup> to 15<sup>th</sup> March – 2021 as a Coordinator.
2. Organized One Day workshop entitled “Women in Science” Organized by College of Science, Dr. B.R. Ambedkar University, Srikakulam, A.P, on the eve of “National Science Day” on 28<sup>th</sup> February 2020 as **Convener**.
2. Organized One Day workshop on Revised “NAAC Assessment and Accreditation Process” Organized by Dr. B.R. Ambedkar University, Srikakulam on 11<sup>th</sup> Feb 2020 as Coordinator – IQAC.
3. Organized a One Day National Workshop on “Assessment & Accreditation of HEI's & Colleges” Organized by the Office of Internal Quality Assurance Cell (IQAC) Dr. B.R. Ambedkar University, Srikakulam, on 3<sup>rd</sup> Feb 2020 as **Convener**.
4. Organized International Conference on “Water, Sanitation and Hygiene -2019 (WASH- 2019)” on 23<sup>rd</sup> & 24<sup>th</sup> Feb 2019 as **Convener**.

- 5 Organized National Workshop on “Intellectual Property Rights and Patents” on 28<sup>th</sup> Feb 2019 as **Convener**.
- 6 Organized “National Science Day” on 28<sup>th</sup> Feb 2019 as **Coordinator**.
- 7 Organized International Workshop on “New Frontiers in Biotechnology and Chemistry (NFBC)” 7<sup>th</sup> Aug 2019 as **Coordinator**.
- 8 Organized National Workshop on “Analytical Instruments for Chemists and Biotechnologists” 21<sup>st</sup> October 2019 as **Co-Convener**.
- 9 5<sup>th</sup> Andhra Pradesh Science Congress (APSC-2019) Organized by Andhra Pradesh Academy of Sciences, Amaravati in association with Dr.B.R. Ambedkar University, Srikakulam on 28<sup>th</sup> – 30<sup>th</sup> Nov, 2019 as **Coordinator** and Chaired the Scientific session.
- 10 Organized International workshop on “Water, Air, Sanitation and Hygiene attitudes and Practices (WASH-2018)” on 27<sup>th</sup> January 2018 as **Convener**.
- 11 Organized Workshop on “Sanitation Towards ODF and ODF+ for Principals of Dr.B. R. Ambedkar University, Srikakulam” on 30<sup>th</sup> January 2018 as **Convener**.
- 12 Organized Two Day National Seminar on Recent Biotechnological Approaches in Biopharmaceuticals and Health Care Sponsored by **APSCHE** on 16<sup>th</sup> -17<sup>th</sup> March 2016 as **Convener**.
- 13 Organized One Day Workshop on “Internal Quality Assessment and Enhancement on 2<sup>nd</sup> Dec 2016 as **Convener**.
- 14 Organized a One-day workshop entitled “Current trends in Drug Development on 31<sup>st</sup> March 2012 as **Convener**.
- 15 Organized a one-day national workshop entitled “New Horizons in Biotechnology” on 18<sup>th</sup> March 2011 as **Convener**
- 16 Organized “Industrial Meet 2010” on 20<sup>th</sup> August 2010 as **Head**, Department of Biotechnology in Dr.B.R. Ambedkar University, Srikakulam.
- 17 Organised two-day seminar entitled “Emerging Trends in Cell and Nano Biotechnology” on 11<sup>th</sup> and 12<sup>th</sup> December, 2009 as a **Member** of Scientific committee.
- 18 Organized a single day workshop entitled “Recent Trends Advances in Genomics and Proteomics” on 14<sup>th</sup> February, 2009 as **Organizing Secretary**.

## **XI. Refresher Courses**

1. Refresher course in Recent Trends in Molecular Biology technology: Concepts & Practice organized by, Science Academies’ Indian Academy of Sciences – Bangalore, Indian National Science Academy - New Delhi, The National Academy of Sciences India- Allahabad in Collaboration with Department of Biotechnology, Government Degree & PG College (Men)- Srikakulam and Department of Biotechnology Dr.B.R. Ambedkar University – Srikakulam from 2<sup>nd</sup> to 15<sup>th</sup> March – 2021 as a Coordinator.
2. 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.
3. Refresher course in Biotechnology completed as Associate Professor at University of Hyderabad conducted by UGC-Academic Staff College with ‘**A**’ grade.
4. 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. 17<sup>th</sup> -19<sup>th</sup> 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, 26<sup>th</sup> -28<sup>th</sup> Feb 2018.
3. Programme on “Faecal Sludge & Septage Management” organized by Administrative Staff College of India (ASCI), Bella Vista, Hyderabad, 21<sup>st</sup> -23<sup>rd</sup> Jan 2019.
4. “Advanced Laboratory training in Faecal Sludge & Septage management “(FSSM) at the Environment Monitoring Laboratory, Anil Agrawal Environment Training Institute (AAETI) Organized by Centre for Science and Environment (CSE), Nimli, Alwar, 11<sup>th</sup> -16<sup>th</sup> March 2019.
5. Programme on Monitoring field Engagement of Higher Education Institutions for 100% Achievement in the practices of Comprehensive Sanitation Management (including ODF), 18<sup>th</sup> – 22<sup>nd</sup> of February 2020. Organized by (MGNCRE) Mahatma Gandhi National Council of Rural Education, Hyderabad in collaboration with SRM institute of Science and Technology, kattankulathur – 603203, Tamilnadu.
6. A Unique Three Weeks (21 days) FDP for Science, Engineering & Arts faculty on Role of Academia in Sustainable Development on 7<sup>th</sup> July 2020.
7. One Week E - FDP “EMERGING TRENDS IN PHARMACEUTICAL PRACTICES” organized by Aditya Bangalore Institute of Pharmacy Education & Research on 14-06-2020 to 18-06-2020.
8. Three Days FDP on “Computational Fluid Dynamics” jointly organized by Bharatiya Vijnana Mandali, Indian Institute of Information Technology, Agartala, Dr.B.R.Ambedkar University, Srikakulam & G Pulla Reddy Engineering College, Karnool on 18<sup>th</sup> – 20<sup>th</sup> June, 2020.
9. Five days e-FDP on Current Trends in Pharmaceutical Sciences Jointly Organized by Anwarul ULOOM College of Pharmacy, Hyderabad in association with Indian Pharmaceutical Association, Telangana State Branch on 19<sup>th</sup> to 23<sup>rd</sup> June 2020.
10. One Week E-FDP on “Innovations in Indian Agriculture” organized by Dr.B.R.Ambedkar University, Srikakulam on 26-06-2020 to 01-07-2020.

### **XIII. Resource Person**

1. Resource person to refresher course organized by Department of Biotechnology, CST, Andhra University, sponsored by Agri Biotech Foundation.
2. Resource person in Vignana Sravanthi organized by Science Association, Govt. Degree College (Men), Srikakulam.
3. Resource Person in workshop on Recent Trends in Zoology Organized by Department of Zoology, Govt. College for Women, Srikakulam.
4. Resource Person in Golden Jubilee Celebrations 200. Suvarna Manasa. 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. 14<sup>th</sup> & 15<sup>th</sup> Nov 2011.
11. Resource Person in Training Programme on Bioinformatics: A New Frontier for Biology Teaching organized by DBT-BIF, Andhra University, and Visakhapatnam. 20<sup>th</sup> -22<sup>nd</sup> July 2012.
12. Resource Person in Indian Immunology Society CME & National Seminar on Immune Interface of Host – Pathogen Interactions organized by Department of Biochemistry, Andhra University. 7<sup>th</sup> -8<sup>th</sup> Dec 2013.
13. 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, 23<sup>rd</sup> Aug 2014.



14. Resource Person in DBT sponsored National Workshop cum Seminar on “Uplifting of Society through Biotechnology”. Department of Biotechnology, Govt. Degree College Men, Srikakulam. Nov 5<sup>th</sup> -7<sup>th</sup>, 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

<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Amount Sanctioned</b>	<b>Period</b>
Development of novel therapeutics from marine Actinomycetes for targeting stem cells in triple negative breast cancer	CSIR	25.6 lakhs	2017-2021
Provision of better health conditions-A mobile App	MHRD	1 lakh	2018-2019
Thread winding technology	MHRD	0.5 Lakh	2019-2021
Block Printing technology	MHRD	0.5 Lakh	2019-2021
Perinial Award for technology development in adopted villages	MHRD	1.75 Lakh	2019-2022
Isolation and Screening of novel Streptomycetes...Srikakulam Coast.	Dr.BRAU, SKLM	0.1 lakhs	2017-2018
Culturing and Maintenance of Breast Cancer Cell lines ..... Allamanda Cathartica.	Dr.BRAU	0.1 lakhs	2017-2018
Ethanomedicinal practices of Ssavara.....AP, India	Dr.BRAU	0.1 lakhs	2016-2017
Phytochemical analysis, antimicrobial .... Phyllanthus niruri	Dr.BRAU	0.1 lakhs	2016-2017
Isolation and identification of promising.... Visakhapatnam	Dr.BRAU	0.1 lakhs	2015-2016
Investigation on the distribution---- Srikakulam District	Dr.BRAU	0.25 lakhs	2015-2016

### **XVI Consultancy Projects**

<b>Title of the Project</b>	<b>Funding Agency</b>	<b>Amount Sanctioned</b>	<b>Period</b>
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)