CURRICULUM VITAE

SANDEEPTA BURGULA
Professor & Head,
Former INDOUSST Visiting Research Professor (USA)
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EDUCATION

PhD PhD in Biochemistry, Osmania University, Hyderabad, India (2009). Title of research- *'*Neuronal proteome analysis in hypoxic conditions with specific relevance to signal transduction events associated with dementia*'*.

Masters (M.Sc) Master of Science in Microbiology (1999-2001) from Osmania University with Distinction (Distinction).

Bachelors (B.Sc) Bachelor of Science Degree in Microbiology, Genetics and Chemistry (1996-1999) from Bhavan's Vivekananda Degree College, in the year 1999.

EMPLOYMENT & POSITIONS HELD

- Director, Central Facilities for Research & Development, Osmani University (April 10th, 2023 – Present).
- Head, Department of Microbiology, Osmania University (July 6th, 2022- present)
- Chairperson, Board of Studies, Department of Microbiology, Osmania University (Aug 30th 2021-Aug 10th, 2022)
- Associate Professor at the Department of Microbiology, Osmania University, and Hyderabad. Courses taught: Biochemistry, Molecular Biology and Microbial Physiology to M.Sc students (May 2019- present)
- Assistant Professor at the Department of Microbiology, Osmania University, and Hyderabad. Courses taught: Biochemistry, Molecular Biology and Microbial Physiology to M.Sc students (May 2007- May, 2019)
- Lecturer for Microbial Genetics and Microbiology at Bhavan's New Science College, Narayanguda, Hyderabad (2001-2004).

WORK AREA

- **Acute Phase Response in Bacterial Sepsis**
  I am working in the area of innate immune response in bacterial sepsis and predicting survivability. Currently we are in the process of developing a cost effective nanoprobe assay for identifying potentially susceptible patients. I had completed an OU-DST-PURSE project (Osmania University based DST funding) involving comparative analysis of serum proteins expressed in sepsis patients who recover or succumb to septic shock where we elucidated the role of certain sepsis markers for identifying potential survivors and non survivors at a very early stage. My present focus is on understanding the role of an acute phase marker protein called Haptoglobin in the pathology of bacterial sepsis. We have extensively characterized its role in ex vivo sepsis model. We are in the process of dissecting its role in

predicting host survivability in terms of haptoglobin levels. I have completed two intramural grants under OU-DST-PURSE for designing a nanoprobe assay for detection of haptoglobin in serum from sepsis patients. We had filed an Indian patent for this work in 2021, which was granted in Aug, 2022. I have received a grant for INR 28 lakh from Department of Biotechnology, India to bring the nanoprobe assay to a commercial stage.

- **Role of Sp1 Transcription Factor in PEBP1 regulation**
  My lab is also working on understanding the regulation of Phosphatidylethanolamine binding protein 1 (PEBP1), a protein dysregulated in several cancers. We are presently studying the role of Sp1 transcription factor, which is overexpressed in several cancers on PEBP1 function. In this context, we are synthesizing nanoparticles targeted to inhibit Sp1 function thereby restoring PEBP1 levels. This can be carried out by tagging nanoparticles made from Selenium or Gold with natural plant extracts. It is observed that PEBP1 levels are sensitive to changes in O_2 levels. Hence this will imply that tumour microenvironment which has low O_2 levels will have different effect on PEBP1 function compared to normal O_2 levels. This work was funded by SERB startup (2015-18) and UGC MJRP (2011-14) grants. My lab is hence working on elucidating the effect of plant extract tagged nanoparticles in varying O_2 levels to correlate with tumor environment.

PUBLICATIONS

1. Mudrakola, Sandhya Vidya Sagar, Koopari, Chandra Lekha, Kande, Ramesh, Rajkumar, Karthik, Anoor, Pawan Kumar, **Burgula, Sandeepta*** and Syed, Farhatullah. "Synthesis and stabilization of anatase form of biomimetic TiO2 nanoparticles for enhancing anti-tumor potential" Green Processing and Synthesis, vol. 13, no. 1, 2024, pp. 20230182. https://doi.org/10.1515/gps-2023-0182. (IF 4.3)

2. Ananthaneni Radhika, **Sandeepta Burgula***, Chandan Badapanda, Tajamul Hussain, Shaik Mohammed Naushad. Elucidation of genetic determinants of dyslipidaemia using a global screening array for the early detection of coronary artery disease, Mammalian Genome, 34, 632–643. (2023). (IF 2.6)

3. Usha Rani Keshapaga, Gulam Mohammed Husain, Surya Satyanarayana Singh & **Sandeepta Burgula***. Molecular docking and in vitro analysis of peptides from Stolephorus indicus with ACE2. Bioinformation. 19(5): 531-535 (2023).

4. Usha Rani Keshapaga, Kalyani Jathoth, Surya S Singh, **Sandeepta Burgula***. Characterization of high-yield Bacillus subtilis cysteine protease for diverse industrial applications. Brazilian Journal of Microbiology. 54(2), 739–752 (2023). (IF 2.8).

5. Pawan Kumar Anoor, Aare Nichita, Karthik Rajkumar, Srinivas Naik and **Sandeepta Burgula**. *A.paniculata* extracts reverse LPS induced inflammation Extracts Reverse LPS Induced Inflammation Via Suppression of Serum Amyloid A and NLRP3 Mediated Inflammasome Pathway". Acta Scientific Microbiology 6.2 (2023): 67-79.

6. Nichita Aare, Anoor Pawan Kumar, Swathi Raju M, Srinivas Naik K, **Sandeepta Burgula***; Neutrophil Gelatinase Associated Lipocalin a Proinflammatory Polypeptide necessary for Host cell Survival in Bacterial Infection, Journal of Applied Biology & Biotechnology Journal of Applied Biology & Biotechnology;11(3):77-84 (2023). https://doi.org/10.7324/JABB.2023.98854

7. Anoor Pawan Kumar, Aare Nichita Yadav, Karthik Rajkumar, Ramesh Kande, Tripura Chaturvedula, Kethavath Srinivas Naik, **Sandeepta Burgula***; Methanol extraction revealed anticancer compounds Quinic Acid, 2(5H)-Furanone and Phytol in *A.paniculata*; ; Molecular and Clinical Oncology (2022); 17(5), 1-13. (IF 1.78).

8. Nichita, Aare., Anoor, Pawan Kumar, **Burgula, Sandeepta***. (2022). Retinol rescues immune cells from inflammation in bacterial infection. International Journal of Health Sciences, 6(S1), 2712–2721. https://doi.org/10.53730/ijhs.v6nS1.5328

9. Nolan M. Reinhart, Ibukun A. Akinyemi, Tiffany R. Frey, Huanzhou Xu, Carolina Agudelo, Jozan Brathwaite, Eric M. Burton, **Sandeepta Burgula**, Michael T. McIntosh, Sumita Bhaduri-McIntosh, The danger molecule HMGB1 cooperates with the NLRP3 inflammasome to sustain expression of the EBV lytic switch protein in Burkitt lymphoma cells, Virology (2022); 566,2022,136-142. https://doi.org/10.1016/j.virol.2021.12.002 (IF 3.7)

10. McIntosh MT, Koganti S, Boatwright JL, Li X, Spadaro SV, Alexis C. Brantly, Jasmine B. Ayers, Ramon D. Perez, Eric M. Burton, **Sandeepta Burgula**, Thomas MacCarthy, Sumita Bhaduri-McIntosh; STAT3 imparts BRCAness by impairing homologous recombination repair in Epstein-Barr virus-transformed B lymphocytes. PLOS Pathogens (2020) 16(10): e1008849. https://doi.org/10.1371/journal.ppat.1008849. (IF-7.4)

11. Rajkumar K, Sandhya MVS, Koganti Siva, **Burgula Sandeepta***. Selenium Nanoparticles Synthesized Using Pseudomonas stutzeri (MH191156) Show Antiproliferative and Anti-angiogenic Activity Against Cervical Cancer Cells. International Journa of Nanomedicine. (2020); 15:4523-4540. (7.0)

12. Tiffany Frey, Jozan Brathwaite, Xiaofan Li, **Sandeepta Burgula**, Ibukun Akinyemi, Saurabh Agarwal, Eric Burton, Mats Ljungman, Michael McIntosh, and Sumita Bhaduri-McIntosh Nascent transcriptomics reveal cellular pro-lytic factors upregulated upstream of the latency-to-lytic switch protein of Epstein-Barr virus. Journal of Virology 2020, 94 (7) e01966-19. (IF -7.0)

13. Siva Koganti, **Sandeepta Burgula**, Sumita Bhaduri-McIntosh; STAT3 activates the anti-apoptotic form of caspase 9 in oncovirus-infected B lymphocytes (2020); Virology; 540, 160-164. https://doi.org/10.1016/j.virol.2019.11.017. (IF- 3.5)

14. R.K. Subbarao Malireddi, Prajwal Gurung, Sannula Kesavardhana, Parimal Samir, Amanda Burton, Harisankeerth Mummareddy, Peter Vogel, Stephane Pelletier, **Sandeepta Burgula**, Thirumala-Devi Kanneganti; Innate immune priming in the absence of TAK1 drives RIPK1 kinase activity–independent pyroptosis, apoptosis, necroptosis, and inflammatory disease. Journal of Experimental Medicine (2020); 217 (3): e20191644. doi: https://doi.org/10.1084/jem.20191644. (IF- 15)

15. Sandhya MVS, Karthik Rajkumar, **Sandeepta Burgula***; Efficient Eco-friendly Approach towards Bimetallic Nanoparticles synthesis and Characterization Using Exiguobacterium aestuarii By Statistical Optimization (2019). Green chem lett rev; 12, 420-434. (IF 6.6)

16. Swathi M Raju, A Pawan Kumar, A Nichita Yadav, Karthik Rajkumar, Sandhya MVS, **Sandeepta Burgula***, Haptoglobin improves acute phase response and endotoxin tolerance in response to bacterial LPS (2019), Imm Lett; 207; 17-27. (IF-4.2)

17. Varsha Reddy,T, Kavya,C, Krishna Prasad Reddy,K, Srinivas Naik, K, **Sandeepta Burgula*** (2019); Dual Chambered Microbial Fuel Cell For Bioelectricity Generation From Environmental Samples; Int J Sci Res Pub (IJSRP) 9(5) (ISSN: 2250-3153). (IF -0.5)

18. Rajkumar, K., Nichita, A., Anoor, P. K., Raju, S., Singh, S. S., and **Burgula Sandeepta***. (2016) Understanding perspectives of signaling mechanisms regulating PEBP1 function. Cell Biochem Funct, 34: 394–403. (IF 3.6)

19. Raju MS, V J, Kamaraju RS, Sritharan V, Rajkumar K, Natarajan S, **Burgula Sandeepta*.** Continuous evaluation of changes in the serum proteome from early to late stages of sepsis caused by *Klebsiella pneumoniae*. (2016) **Molecular medicine reports**. Jun;13(6):4835-44. (IF:1.5)

20. Nalini Jammulamadaka, **Sandeepta Burgula**, Rajesh Medisetty, Govindan Ilavazhagan, S. L. N. Rao, Surya S. Singh.(2011) β-*N*-Oxalyl-l-α,β-diaminopropionic acid regulates mitogen-activated protein kinase signaling by down-regulation of phosphatidylethanolamine-binding protein 1, **Journal of Neurochemistry**, 118: 176–186. (**IF – 3.9**)

21. Gaddameedi R. R., **Burgula S**., Sairam M. and Singh S. S.(2011) Role of insulin in Cr(VI)-mediated genotoxicity in Neurospora crassa. Lett Appl Microbiol 53, 14-21. (**IF- 1.6**)

22. **Sandeepta Burgula**, Rajesh Medisetty, Nalini Jammulamadaka, Sairam Musturi, Govindan Ilavazhagan, Surya S. Singh (2010) Downregulation of PEBP1 in Rat Brain Cortex in Hypoxia, **Journal of Molecular Neuroscience**, 41: 36-47. (**IF- 2.8)**

23. **Sandeepta Burgula,** Aneesa Fasim, Shanthi Kumari L, Anusha Palakurthy and Surya S. Singh Profilin Activates Bacillus Thuringiensis Phosphoinositide Specific Phospholipase C (2012) **Internation al Journal of Applied Biology and Pharmaceutical technology.** 3 (3) 360-366. **(IF=0.9)**

24. Surya S Singh, M Swathi Raju, Sumathi Natarajan, **Burgula Sandeepta***. Hypoxia, neurotransmission and neuronal damage (2012) **International Journal of Current research Vol. 4, issue 09, 045-050.** (**IC value – 6.29**)

25. **Sandeepta Burgula**, Surya S Singh. Detection of Hypoxia inducible factor-1 by DNA binding studies (2013) **International journal of Current Research**, vol 5, issue 1, 042-045. **(IC value – 6.29**).

26. Anoor Pawan Kumar, Karthik Rajkumar, M. Swathi Raju, A. Nichita and **Sandeepta Burgula***. Plasmid Borne Resistance in Bacteria to Common House Hold Spices (2015) **British Microbiology Research Journal** 5(2): 126-138**. (IF :0.9)**
27. M.V.S.Sandhya, E.Ramyakrishna, P.Divya, Anoor Pawan Kumar, Karthik Rajkumar, Emad Yazein, **Sandeepta Burgula*** Isolation Of Antibiotic Producing Bacteria From Soil (2015) **International Journal of Applied Biology and Pharmaceutical Technology** Volume-6, Issue-1, 46-51. (IF=0.9)

    *Corresponding author

Book Chapters and General Articles

1. **Sandeepta Burgula,** Karthik Rajkumar, Sandhya MVS, Therapeutic Applications Of Nanotechnology: Book chapter :Pharmaco Biotechnology and Nanotechnology: Therapeutic Applications and Strategies; Cambridge publisher, UK. (in press).
2. **B. Sandeepta***, M. Swathi Raju, A. Nichita, A. Pawan Kumar, Karthik Rajkumar. Understanding Role of Biomarkers in Pathogenesis of Sepsis (2017) Book chapter: Microbial Biotechnology: Technological Challenges and Developmental Trends . Page 89-107. Apple Academic Press.
3. Surya S. Singh, Wasia Rizwani**, B.Sandeepta**, Aneesa Fasim and K.V.N.Radhika. Microarrays: a boon in disguise**. Proceedings of Andhra Pradesh Akademi of Sciences** (2005).

PATENTS

1. Indian Patent awarded on Aug 22nd, 2022; IP No. 404070, App. No.: 202141040684. Title: Gold Nanoparticles (AuNp) For Testing Sepsis. Sandeepta Burgula, MVS Sandhya and Shashikala Inamdar
2. Indian Patent published on May 8th, 2024 App No. 202441036506 A (A method of generating a peptide with anti-hypertensive activity). Sandeepta Burgula, Usha Rani Keshapaga, Gulam Husain, Raghu Gogada.
3. Indian Patent filed on 16-06-2023, App. No. 202341032577A (A potential anti-cancer agent from *Malbranchea cinnamomea* extract).

AWARDS and HONOURS

- **Osmania University Vice Chancellor's Certificate of Appreciation** for award of patent (2023).
- **Osmania University Vice Chancellor's Certificate of Appreciation** for Completing Raman- UGC Postdoctoral Fellowship at USA (2022).

- **Osmania University Vice Chancellor's Certificate of Appreciation** for Completing SERB Startup Project (2022).
- Certificate of Excellence : **Honorable Jury Mention (Research)**; 5th Academic Branding Awards ; Education Expo (2020).
- Awarded with **Indo-US Visiting Research Professorship** by American Society for Microbiology and Indo US Science and Technology Forum(INDOUSSTF) to work at St. Jude Research Hospital at Memphis, USA (2017).
- Admitted as **Associate fellow** of Telangana Academy of Sciences, July, 2017.
  Raman Fellowship for Postdoctoral Research in USA for the year 2015-16, from UGC, New Delhi.
- **Best poster award** at Recent trends in Microbial Biotechnology, Hyderabad during Feb, 2015.
- **International travel award from DBT and ICMR,** for paper presentation at 'Hypoxia: Molecular Mechanism of Oxygen Sensing and Response pathways' held in Colorado, USA, during January, 2010.
- **Best poster award** at **The XIII All India Congress of Cytology and Genetics**-International Symposium on Genomic and Proteomic Approaches to Decipher the Molecular Basis of Pathogenesis, Dec., 2007.
- Qualified the national level eligibility test conducted by the **Council of Scientific and Industrial Research** and awarded **Junior Research Fellowship** to pursue PhD (UGC-JRF, 2004-06) and **Senior Research fellowship** (Feb, 2006- May, 2007).

WORKSHOPS AND CONFERENCES ORGANIZED

S.no	Title	Duration
1.	Convenor for "Three Day Hands-on Training on HPLC, UV Vis Spectroscopy and FTIR Techniques "	March 26 – 28, 2024
2.	Convenor for Second Internship Program on "Research Techniques"	January 22 – 27, 2024
3.	Convenor for Second Internship Program on "Research Techniques"	October 3-7, 2023
4.	Convenor for "Three Day Hands-on Workshop on CRISPR/Cas9 Based Genome Editing Technology"	September 25-27, 2023
5.	Convenor for Three Days Workshop on "Research Based Pedagogical Tools for UG Teachers in Life Sciences"	September 21-23, 2023
6.	Convenor for First Internship Program on "Research Techniques"	August 28-September 2, 2023
7.	Coordinator for Three Day Hands-on Workshop on "Cell Culture Technology" at CFRD, Osmania University.	July 3-5, 2023
8.	Convenor for Three days National Workshop on "Research Based Pedagogical Tools in Lifesciences"	January 23-25, 2023
9.	Coordinator for Five Day Workshop on Animal Cell	June 13-17,

	Culture Technology and its Applications at Osmania University.	2022
10	Co-Convenor for National Seminar on "Ascent of Microbiome Research for Nutrition and Health" at Osmania University.	June 27, 2022
11	Convenor for National Conference on Phytopathology for Sustainable Disease Management and Food Security	31st Oct-2nd Nov, 2022
12	Co-Convenor for International Conference on Advances in Microbial Biotechnologies and Biotherapeutics	September 9-11, 2020

Resource Person in Seminars/Workshops/Training Programs 20 max

S.No	Event	Year
1	Session Chair for 2nd International Conference on Integrative Biology and Applied Genetics, at Osmania University.	July 20-22, 2022
2	Session Chair for Two Day International E-Conference on Microbial Pathogenesis and Recent Advances in Diagnosis of Omicron, Palamuru University, Mahbubnagar.	February 4-5, 2022
3	Served as Judge for Oral Presentations at Two Day National Seminar On Eco-Friendly Strategies For Sustainable Environment Bhavan's Vivekananda PG College, Secunderabad.	February, 28-29, 2020

RESEARCH PROJECTS HANDLED:

1. DBT-Biomedical grant- "Rapid gold nanoparticle-based assay for early detection of sepsis and its severity" (Approved) BT/PR48662/MED/32/943/2023 (PI) (INR 28 lakh)
2. ICMR Adhoc Grant - Combating antimicrobial resistance in medical implant infections using novel functionalized polymer nanostructure coating" (Approved) IIRP-2023-4965/F1 (PI) (INR 1.3 crore) (Co-PI)
3. SERB Startup Grant : Inhibition strategies for suppressing RKIP/PEBP1 promoter binding by SP-1 to selectively enhance RKIP levels in cancer (2015-18, INR 25.95 lakhs)
4. OU-DST-PURSE : Designing a rapid nanoprobe immunoassay based on acute phase response for early diagnosis of bacterial sepsis. (2017-21, 4 lakhs)
5. OU-UGC-UPE-FAR Subsidiary project: Devising a nanoprobe assay for analyzing Haptoglobin levels in bacterial sepsis (2019-20, INR 50,000/-)
6. OU-UGC-UPE-FAR Subsidiary Project: Expression of inflammatory Peptides in Bacteria (2014-2015, INR 50,000/-)
7. UGC Major Research Project : Effect of hypoxia on regulation of PEBP1 and role of calpain activation (INR 10.09 lakhs, 2011-2014)

8. OU-DST-PURSE Research Project: Proteome analysis of serum and Polymorpho-nuclear cells in patients at different stages of sepsis (INR 7 lakhs, 2011-2015)
9. LSRB-DRDO: Exploring role of ODAP in wound healing (INR 50 lakhs, as Co-PI).

PRIZES WON BY PH.D SCHOLARS

- Usha Rani Keshapaga won First Prize in Oral Presentation at Two Day International E-Conference on Microbial Pathogenesis and Recent Advances in Diagnosis of Omicron, 4-5th Feb,2022, Palamuru University, Mahaboobnagar.
- Karthik Rajkumar won Third Prize in Oral Presentation at International Conference on Material Science & Societal Advancement, 20-22nd Jan, 2022, Osmania University.
- Ramesh Kande won Best Poster Award at International E-Conference on Advances in Microbial Technology & Biotherapeutics, 10-12th Sept. 2020, Osmania University.
- Anoor Pawan Kumar won Best Poster Award at International E-Conference on Advances in Microbial Technology & Biotherapeutics, 10-12th Sept. 2020, Osmania University.
- Swathi Raju won best Poster Award at National Conference on Recent trends in Microbial Technology, 26-28th Feb, 2015, Osmania University.

REVIEWER FOR JOURNALS

Toxicology in vitro
Cancer Control
Green Chemistry Letters and Reviewers
Brazilian Journal of Microbiology
3Biotech

MEMBERSHIPS IN PROFESSIONAL BODIES

Biotech Research Society of India
Association of Microbiologists of India
Indian Science Congress
Telangana Academy of Sciences

SELECTION COMMITTEE MEMBERSHIPS

1. Mumtaz Degree & PG College for Women, Hyderabad
2. Wesley Women's Degree College, Hyderabad
3. Abhyasa Degree College, Hyderabad
4. Gauthami Degree College, Hyderabad
5. Kasturba Gandhi Degree & PG College, Hyderabad
6. Aurora Degree & PG College, Hyderabad
7. Rishi UBR Degree College for Women, Hyderabad
8. Vasundhara Degree College, Hyderabad
9. I.Create Degree College, Hyderabad
10. Annie Besant Women's College, Hyderabad

INVITED TALKS

1. Keynote Speaker at "2nd International Conference on Clinical and Applied Microbiology", 15th December, 2023, organized by Bioleagues (Virtual mode)
2. Invited Lecture at DBT-TSCOST Sponsored "Hands-on skill Development Training on Advanced Areas of Life Science and Biotechnology for Undergraduate and Postgraduate Faculty", Organized by CPMB, OU, Hyderabad, December 17th, 2023.
3. Guest Speaker at "Training for Trainers" Program, organized by TSCOST, Hyderabad, under Skill Vigyan Program of DBT, Govt. of India, November 2nd, 2023.
4. Keynote Speaker at One Day National Seminar on "Emerging Infectious Diseases: Causes , Remedies And Global Threats, organized by Shyamala Devi Degree College for Women, Hyderabad, November, 1st, 2023.
5. Keynote Speaker at the National Conference on "Green Technology-Sustainable Initiatives, Practices and Developments in Science and Management", Rishi UBR Womens' College, Hyderabad, October 21st, 2022.
6. Invited Talk "Role Of Haptoglobin In Molecular Pathogenesis Of Sepsis And Its Diagnostics", St Francis Degree & PG College for Women, Hyderabad, August 18th, 2022.
7. Invited talk on "Emerging Nanotechnology Applications In Disease Diagnosis and Treatment", Popular Lecture Series, Government Degree College, Srikakulam, April 27th, 2022.
8. Invited talk on "Recombinant Vaccines And SARS CoV-2 An Overview", UGC-HRDC, Osmania University, January 12th, 2022.
9. Invited Talk on "Importance Of Microbiology In Disease", National Webinar, Telangana Social Welfare College For Women, Suryapet, September 17th, 2021.
10. Invited talk on "Career opportunities in Microbiology", St Ann's Degree College, Mehdipatnam, February 9th, 2018.
11. Invited talk on "Gold Nanoprobe Based Rapid Low Cost Diagnostics for Detecting Sepsis" At Bhavan's Vivekanda PG College, August 21st, 2017.
12. Invited Talk on *"Understanding Sepsis and its Biomarkers"* at National conference on Recent Trends in Microbial Biotechnology during Feb 26-28, 2015, conducted by Department of Microbiology, Osmania University, Telangana.

MEMBERSHIP OF GOVERNING/EXECUTIVE BODIES

1. Member of the Board of Studies of Microbiology at St. Pious, Degree & PG College for Women (Autonomous) (2023)
2. Member of the Board of Studies of Microbiology under the Faculty of Science, Osmania University (2021)
3. Member of the Board of Studies in PG Diploma in Health Care Courses under the Faculty of Science, Osmania University (2022)
4. Member of the Board of Studies of Biotechnology under the Faculty of Science, Osmania University (2022)
5. Served as Chairperson, Board of Studies of Microbiology under the Faculty of Science, Osmania University (2021).
6. Member in Statutory Body (Governing Body, Academic Council and Board of Studies) of Indira Priyadarshini Govt. Degree college for women, Autonomous, Nampally, Hyderabad. (2022)
7. Governing Body member of Wesley Degree and PG College for Women, Secunderabad

8. Governing Body member of Ken Degree College, Trimulghery, Secunderabad. (2023)
9. Governing Body member of Abhyasa Women's College, Hyderabad (2022)
10. Selection committee member for ICreate Degree College, Kukatpally, Hyderabad (2022)
11. Selection committee member for Annie Besant Women's College, Dilsukhnagar, Hyderabad. (2022)
12. Selection committee member for Vasundhara Degree College, Moula Ali, Secunderabad. (2022)
13. Member in Statutory Body (Governing Body, Academic Council and Board of Studies) of St. Pious Degree and PG college for women, Nacharam, Hyderabad. (2023).
14. Member of Board of Studies for Bhavan's Vivekananda Degree and PG College, Sainik Puri, Secunderabad.

CONFERENCES AND WORKSHOPS ATTENDED

1. Oral Presentation *"Gold Nanoprobe Based Rapid Low Cost Diagnostics for Detecting Sepsis"* at 62nd International Conference of AMI : Microbes and Society: Current Trends and Future Prospects, Mysuru (online), 21-23rd Feb, 2022.
2. Organizing committee member for "Two Day Seminar on Frontiers of Microbial Biotechnology" organized by Department of Microbiology, Osmania University, during 22-23rd Feb, 2017.
3. Presented a paper on *"The Proinflammatory marker HMGB1 is elevated during lytic (re)activation of a Herpes virus"* at PI-3K Pathways in Immunology, Growth disorders and Cancer, 2017, Keystone Symposia, Santa Fe, New Mexico, USA.
4. Paper presented on *"Serum Proteome Analysis of Acute Phase Proteins in Patients at Different Phases of Sepsis"* at National conference on Recent Trends in Microbial Biotechnology during Feb 26-28, 2015, conducted by Department of Microbiology, Osmania University, Telangana.
5. Presented paper on *"Plasmid Borne Resistance in Bacteria to Common House Hold Spices"* at the AMI-55th Annual Conference, Coimbatore, Nov12-14 2014.
6. Paper presented on *"Differential expression of acute phase proteins may predict survivability in male sepsis patients –A Proteomic Approach"* at International conference on Emerging Trends in Biotechnology, conducted by BRSI (Biotechnology Research Society India) at JNU during November 6-9, 2014, New Delhi.
7. Presented paper on *"Proteomic analysis of serum in sepsis patients"* at International Conference on Omics Meets Disease and IIIrd Annual Meeting of Proteomics Society (India), held during 15-18 December 2011 at SNIP, Kolkata.
8. Presented paper on *"Role of calpain in down regulation of PEBP1 in hypoxia"* at International Symposium on Proteomics Beyond IDs… and 4th Annual meeting of Proteomics Society (India), held during 22-24 November 2012 at CSIR-National Chemical Laboratory, Pune, India.
9. Presented paper on *"PEBP1: A Linking Element In Dementia And Hypoxia"* at 'Hypoxia: Molecular Mechanism of Oxygen Sensing and Response pathways' held in Colorado, USA, during January, 2010.

10. Presented paper on "*Down Regulation Of PEBP1 In Rat Brain Cortex In hypoxia: A Possible Role In Dementia"* at International Symposium on Genomic and Proteomic Approaches to Decipher the Molecular Basis of Pathogenesis, Dec., 2007.

NUMBER OF Ph.D STUDENTS

1. Ramesh Kande
2. Kalyani Jatoth
3. Sruthi Kalva
4. Radhika Nishanth
5. Usha Rani Keshapaga
6. Swathi Vislawath
7. Sachin Gaikwad

Completed

8. Swathi Raju (Post-Doctoral fellow at ACTREC, Mumbai)
9. M V S Sandhya (Scientist at Prado, Pune)
10. K Sravanthi (Submitted) (Govt Social Welfare Degree College Lecturer, Ghatkesar, TS)
11. Karthik Rajkumar (Post-Doctoral fellow at University of Miami School of Medicine, Florida, USA)
12. Anoor Pawan Kumar (Scientist at Sanzyme India Pvt. Ltd., Hyderabad).

REFERENCES:

1. Dr. Thirumala-Devi Kanneganti
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   St. Jude Children's Research Hospital,
   262 Danny Thomas Place,
   Memphis, Tennessee 38105-3678
   Office Telephone: (901) 595--3634
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2. Dr. Sumita Bhaduri-McIntosh, M.D., Ph.D.
   Associate Professor, Pediatrics and Molecular Genetics and Microbiology,
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1. Prof Surya Satyanarayana Singh (Retd.)
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EXTRACURRICULAR ACTIVITIES

- Designer Cake Baker (https://www.instagram.com/bakerina14/)
- 10k run enthusiast

Signature