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Name: Rajani Davuluri

Department: Biochemistry

Designation: Assistant Professor

Qualifications: M.Sc (Biochemistry), NET

Teaching Experience: 21years

Academic Positions: 1.Member of examination branch
2. Member of medical and Health committee

Areas of Interest: Clinical Biochemistry and Endocrinology

❖ **Research Projects Undertaken:**

Correlation of the Antioxidant Activity with Calcineurin Activity in Health and Disease. Grant Amount: 3,35,000/-

Funding Agency: UGC-SERO, 2014-2016

❖ **Publications:**

1. Padma, AS., Chandan Babu, N., **Rajani, D.**, Mini G.S., Kumari, I.R. (2020). Protective measures taken up by the College for conducting examinations during COVID-19 pandemic: A Satisfaction survey from students and staff. *Indian J Community Health [Internet]*, 32(4), 727-30.
2. GunaPriya, J., Geetha Lakshmi, K., Niharika Sharma, **Rajani, D.** (2019). A Comparative Study of Antioxidants and Antimicrobial activity in Vegetables, Leafy Vegetables and Spices. *International Journal of Scientific Research in Biological Sciences*, 6(1), 80-85.

3. **Rajani, D.**, Padma, A. S., & Usha, M. (2017). E-Health and its implications. *International Journal of Advance Research in Science and Engineering*, 6(01), 182-184.
4. Padma, S., Padma, A.S., **Rajani, D.** (2017). Natural antioxidants present in capsicum annum extracts modulate calcineurin activity under conditions of oxidative stress. *Imperial Journal of Inter disciplinary Research*, 3(1), 1819-1822.
5. Sukumaran, M.K., Padma, A .S., Rajani, D., Vanitha, S., Padma, S. (2016). Frequency of ABO and Rh Blood groups among High School Children of Alwal, Secunderabad, Telangana, India. *IOSR Journal of Dental and Medical Sciences (IOSR-JDMS)*, 15(1) 47-49.
6. Padma, A.S., Sukumaran, M.K., Padma, S., Rajani, D., Vanitha, S. (2016). Evaluation of Nutritional Status of College Girl Students in Terms of Hemoglobin Levels and BMI. *Journal of Medical Science and Clinical Research*, 4 (9), 12822-12824.
7. ShaikArshad, Ashwin Kumar, P.S.S., Rajani, D., Sukumaran, M.K. (2015). A study on Fluoride levels in borewell water of Nalgonda District, Telangana, India. *International Journal of Current Microbiology and applied Sciences*, 4(8), 323-328.
8. Prem Kumar, V., Sindhusree, V., Rajani, D., Padma, A.S., Sukumaran, M.K. (2015). Determination of haptoglobin phenotype in cardiac and diabetic patients. *Indian Journal of Biotechnology and Biochemistry*, 2(1) 1, 39-46.
9. Trupthi, D., Padma, A.S, Sukumaran, M.K., Rajani, D. (2015). Enzymatic Activity Levels of Lipoxygenase (Lox) in Germinating Green Gram Seeds (*Vigna radiate*). *Int.J.Curr.Microbiol.App.Sci*, 4(8), 621-62.
10. Sukumaran, M.K, Padma, A.S., Rajani, D., Vanitha, S., Padma, S. (2015). Distribution of ABO and Rh blood groups among students of Bhavan's Vivekananda College, Secunderabad, Telangana, India. *IOSR Journal of Dental and Medical Sciences*, 14 (12), 59-62.

◆ **Papers Presented:**

1. Presented a paper on "Extraction, purification and characterisation of the enzyme polyphenoloxidase in different vegetables and fruits and to study its activity and inhibition" at the Two day National seminar on "Eco-Friendly Strategies for Sustainable

- Environment” held on 28th & 29th February, 2020 by the Faculty of Life Sciences as a part of National Science Day 2020, Under DBT Star College Scheme, BVC, Hyderabad.
2. Presented a paper on “Implementation options of Research Oriented Teaching” at the National Seminar on “Revised NAAC Framework: The Road Ahead Towards Excellence in Quality Education” held on 21st April, 2018, at BVC, Sainikpuri, Hyderabad
 3. Paper presented on, “**A study on serum antioxidant activity and calcineurin activity in diabetes**” at the UGC sponsored national conference on Emerging Trends in Life Sciences. Organized by the Department of Zoology & Department of Genetics, St. Ann’s college for women on 9th & 10th March, 2017.
 4. Presented a paper on “E–Health and its Implications” at the Two Day National Seminar on “Internet of Things” Applications and Security held on 7th & 8th September, 2017 by the Department of Computer Science, BVC, Hyderabad.

❖ **Awards/Recognitions:** Joint CSIR-UGC Test for Lecturership, December 1990.

❖ **Workshops attended:**

1. International online workshop for undergraduate biology teachers on “Student - Centric Learning Strategies” organized by the Department of Microbiology under DBT- Star College scheme. 2nd - 11th November, 2020
2. 3-day online workshop on “Bioinformatics, Molecular modeling and Biostatistics”, organized by Dept. of Biochemistry, BVC Under DBT- Star College Scheme. 12th -14th August, 2020.
3. Three-day Online Workshop on” Online Course Design, Development and Delivery” organized by Human Resource Development Centre (HRDC), University of Hyderabad, Hyderabad, Telangana. 26th -28th May, 2020
4. Workshop on “Basic Cell Culture Techniques” 29th – 31st November, 2015, National Institute of Nutrition & Department of Biochemistry, BVC, Hyderabad.

Faculty Development Programmes attended:

1. Five-day online Faculty Development Programme on “Building Competency for Online Teaching” organized by Department of Languages and IQAC in Collaboration with University of Hyderabad UGC- Human Resource Development Centre, Telangana, India. 6th -10th June, 2020
2. National level Faculty Development Webinar on ICT Tools in Education. Experiential Learning with Online Simulations and Virtual Labs by RBVRR Women’s College, Narayanaguda, Hyderabad 5th May, 2020

Seminars attended:

1. Two day National seminar on “Eco-Friendly Strategies for Sustainable Environment” held on 28th & 29th February, 2020 by Faculty of Life Sciences, as a part of National Science Day 2020, Under DBT Star College Scheme, BVC, Hyderabad.
2. Two Day National Seminar on “Innovations in Nanobiotechnology” 7th and 28th February, 2019 organised by the Department of Biochemistry & Microbiology, BVC, Hyd.
3. National Seminar on “Revised NAAC Framework: The Road Ahead Towards Excellence in Quality Education held on 21st April, 2018, BVC, Sainikpuri, Hyderabad.
4. “Meet the Scientists” Science Outreach program for Teachers Interaction with Dr. Margarette Heck (University of Edinburgh, UK) & Dr. MukundThattai (NCBS, Bengaluru. 27th January, 2018
5. Dissemination meeting of the European Union Sponsored Research project entitled “ NanoBioEngineering of BioInspired Biopolymers” (Nano 3 Bio) The future of Chitosans. 20th September, 2017, Dept of Plant Sciences, School of Sciences, University of Hyderabad.
6. Two Day National Seminar on “Internet of Things” Applications and Security held on 7th& 8th September, 2017 by the Department of Computer Science, BVC, Hyderabad.

7. UGC Sponsored National Conference on “ Emerging Trends in life Sciences on 9th and 10th March, 2017, Department of Zoology & Department of Genetics, St. Ann’s College for Women, Mehdipatnam, Hyderabad.
8. Two day National Seminar on “ Recent Advances in Food Biotechnology” on 17th – 18th February, 2016 organised by Department of Biochemistry and Department of Microbiology, BVC, Hyderabad.
9. International Conference on “Biochemistry, Nutrition and Pharmacy in Human welfare” Recent trends and future challenges. ICBNP-2015 held from 3rd to 5th, September, 2015 by Department of Biochemistry, Osmania university, Hyderabad.