

## Faculty Profile – [ Sample Format]

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### CONTACT

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**Vidwan ID:** 174745

**Name:** Dr.S.Padma

**Department:** Biochemistry

**Designation:** Assistant Professor

**Qualification:** Ph.D

**Experience:** 20 yrs of teaching experience

**Academic positions:** Nil

**Areas of Interest:** Clinical biochemistry, Cell signalling

### ❖ Research projects Undertaken:

- ❖ “Study on the effects of natural antioxidants on calcineurin activity” Funded by UGC during the period, 2012-2014
- ❖ “Calcineurin activity in cervical cancer” Funded by DBT during the period, 2002-2004
- ❖ “Calcineurin activity in leukaemia” Funded by Lady Tata Memorial Trust during the period, 1999-2001)

### ❖ Publications:

#### International:

1. Khan, N., Rahim, S.S., Boddupalli, C.S., Ghousunnissa, S., Padma, S., Pathak, N., Thiagarajan, D., Hasnain, S.E., Mukhopadhyay, S. (2006) Hydrogen peroxide inhibits IL-12 p40 induction in macrophages by inhibiting c-rel translocation to the nucleus through activation of calmodulin protein. *Blood*,. 107(4),1513-20.
2. Sowjanya ,A.P., Jain, M., Poli, U.R., Padma, S., Das, M., Shah, K.V., Rao, B.N., Devi, R.R., Gravitt, P.E., Ramakrishna, G. (2005) Prevalence and distribution of high-risk human papilloma virus (HPV) types in invasive squamous cell carcinoma of the cervix and in normal women in Andhra Pradesh, India. *BMC Infect Dis.*,5, 116.

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3. Padma S, Sowjanya A.P., Poli, U.R., Jain, M., Rao, B., Ramakrishna, G (2005). Downregulation of calcineurin activity in cervical carcinoma. *Cancer Cell Int.* Apr 1;5(1), 7.
4. Padma, S., Subramanyam, C. (2002) Clinical significance of serum calcineurin in acute leukemia. *Clin Chim Acta.* Jul;321(1-2), 17-21.
5. Padma, S., Subramanyam, C. (1999) Extracellular calcineurin: identification and quantitation in serum and amniotic fluid. *Clin Biochem.* Aug;32(6), 491-4. No abstract available

### **National**

1. Nandy, Sucharita., Padma, S. (2020). Green synthesis of silver nanoparticles from *Annon squamosa* & *Carica papaya* leaves and its application in dye degradation. *Journal of Advanced Scientific Research Supplement*, 11, 1125-1312.
2. Nikita Sharma., Sravani, M., Padma, S. (2019) A Study on Cabbage (*Brassica oleracea*) Peroxidase Activity using three medicinal plant leaf extracts," *International Journal of Scientific Research in Biological Sciences*, 6(1), 86-88.
3. Padma, S., Padma. A. S., Rajani, D. (2017) Natural Antioxidants Present In Capsicum Annum (Bell Pepper) Extracts Modulate Calcineurin Activity Under Conditions Of Oxidative Stress. *Imperial Journal of Inter disciplinary Research*, 3(1).1819-1822. (ISSN:2454-1362).
4. Sukumaran, M.K., Padma A. S., Vanitha S., Rajani D., 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*, 15(2), 47-49.
5. Anup, R., Sainath P.T., Padma, S., Sukumaran, M.K. (2015) *In vitro* Cytotoxic activity of methanolic extract of *Parthenium hysterophorus* flowers on MCF-7 and HeLa cell lines. *Intl J Curr Micro App Sci*, 4(8), 710-715.
6. Padma, S., Subramanyam, C. (1997) Proliferative stimulation of lymphocytes by calmodulin binding proteins isolated from amniotic fluid *Indian J Med Res*, 106, 236-41.

### **◆ Papers presented (Last five years)**

1. "A study on the alterations in putative calcineurin substrates in leukemia based on cBioportal database" at the 4th International conference on "Recent trends in Bioengineering organized by MIT school of Bioengineering sciences and Research at MIT-ADT University, Pune, India (12th and 13th February, 2021)
2. "Biochemical Analysis of Different Medicinal Plant Leaf Extracts" at the Two Day National Seminar on 'Innovations in Nanobiotechnology' by the Depts of Microbiology and Biochemistry, BVC, Secunderabad ( 27th and 28th February, 2019).

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3. “Survey on the Prevalence of Obesity among primary school children in Hyderabad, India” at the First International Conference on “Nutrition Before, Beyond and during first 1000 Days of Life – Evidence and Action NIN Centenary Year – (1918- 2018) organized by National Institute of Nutrition, Hyderabad during 26th – 28 th November,2017

4. “Study on the effect of natural antioxidants on calcineurin under conditions of Oxidative stress” at the International Conference on “Biochemistry, Nutrition and Pharmacy in Human welfare- Recent trends and future challenges. ICBNP-2015 organised by the Department of Biochemistry, Osmania University, Hyderabad (3rd –5th, September, 2015)

### ❖ Awards/ Recognitions:

1. Awarded First prize for the poster titled “**A study on the alterations in putative calcineurin substrates in leukemia based on cBioportal database**” at the 4th International conference on “Recent trends in Bioengineering” held on 12th and 13<sup>th</sup> February, 2021 organised by MIT school of Bioengineering sciences and Research at MIT-ADT university, Pune, India

2. Awarded First prize for the poster titled **Study on the effect of natural antioxidants on calcineurin under conditions of Oxidative stress**” at the International Conference on “Biochemistry, Nutrition and Pharmacy in Human welfare- Recent trends and future challenges. ICBNP-2015 organised by the Department of Biochemistry, Osmania University, Hyderabad held during 3rd –5th, September, 2015

3.UGC-Post doctoral Research Award- 2012-2014

4. DBT-post doctoral research fellowship-2002-2004

5.Lady Tata Memorial Trust post doctoral fellowship 1991-2001

### ❖ Workshops attended:

1.Biosimilar Workshop on “Protein aggregation using Dynamic Light Scattering” organized by Institute of Chemical Technology, Mumbai, on 28th January, 2021

2.Three-day Online Workshop on” Online Course, Design, Development and Delivery” organized by Human Resource Development Centre (HRDC), University of Hyderabad, Hyderabad, Telangana during 29th-31st May,2020

3. 3 - day online workshop on “Bioinformatics, Molecular modelling and Biostatistics”, organized by Dept of Biochemistry, BVC Under DBT-Star College Scheme during 12 th -14 th August, 2020

4.Workshop on “cytogenetics” organized by BVC and Kamineni life sciences on 20th & 21st January, 2018

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5. Workshop on “Molecular Diagnosis of Methicillin Resistant *S.aureus* (MRSA) by multiplex Polymerase Chain Reaction(PCR) and Real Time PCR” organized by BVC in collaboration with GMERF(Global Medical Education and research Foundation) in 2017

6. Workshop on “Basic Cell Culture Techniques” organized by Department of Biochemistry, BVC in collaboration with National Institute of Nutrition from 29 th – 31 st November, 2015

### **Refresher courses attended:**

1. Refresher Course in Life Sciences organised by HRDC, (UGC Academic Staff College), University of Hyderabad, Hyderabad from 13th November – 3 rd December, 2015

### **Training programs attended**

1. Five day online Faculty development programme on “Effective Teaching and Learning Practices in computational biology” organized by Department of Biotechnology, National Institute of Technology, Warangal held from 15th- 19th March, 2021
2. Seven Days National Online Workshop In Applied Life-sciences conducted by Department of Microbiology and Zoology, Nizam College(A) Osmania University , Hyderabad from 24th-30th July 2020.
3. 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 held from 6 th -10 th June, 2020.

### **Consultancy:**

1. Trained one student, Naman Chauhan in methods for qualitative and quantitative determination of biomolecules as a part of class XII project work in 2019
2. Trained six students from St. Francis college for women, in biochemical analysis of germinating seeds in 2015