



**Name:** Dr Manju Devi S  
**Department:** Biochemistry  
**Designation:** Lecturer

**Qualifications:** MSc, PhD Biochemistry

**Years of experience:** 1 year

**Areas of Interest-** Biochemistry, Molecular Biology

**Research Projects Undertaken:**

Completed

1. DST SERB Young Scientist Scheme (2015-2018)- “Evaluation of antiaflatoxic effects of selected antifungal peptides”. Osmania University, Hyderabad, sanctioned by DST, Science and Engineering Board, Govt.of India.Sanctioned amount: 32, 60,000/-
2. DBT Post-doctoral fellowship (2011-2014)- Isolation and characterization of novel autosomal testis specific proteins regulated by the Y-chromosome from mouse. CCMB, Hyderabad, sanctioned by Department of Biotechnology, Govt. of India.

◆ **Publications:**

**a. International**

1. **Manju Devi, S.**, Navya Raj, & Sashidhar, R. B. (2021). Efficacy of short-synthetic antifungal peptides on pathogenic *Aspergillus flavus*. *Pesticide Biochemistry and Physiology*, 174,104810.
2. **Manju Devi, S.**, .Sashidhar, R.B. (2019). Antiaflatoxic effects of selected antifungal peptides. *Peptides*, 115, 15-26.
3. Dakshayani Malkapur, **Manju Devi, S.**, Karuna Rupula, & Sashidhar, R.B. (2017). Biogenic synthesis, characterisation and antifungal activity of gum kondagogu-silver nano bio composite construct: assessment of its mode of action. *IET Nanobiotechnology*, 11( 7), 866 – 873.
4. Bhattachrya, R. , **Devi, M. S.**, Dhople, V., & Rachel, A. J. (2013). A mouse protein that localizes to acrosome and sperm tail is regulated by Y-chromosome. *BMC Cell Biology*, 14, 50-58.
5. **Devi, M. S.**, & Sudhakaran, P.R.(2011). Differential modulation of angiogenesis by advanced glycation end products. *Experimental Biology and Medicine*, 236, 52-61.

**CONTACT**

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**Vidwan id-** 201367

## Faculty Profile –

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### b.National-

1. **Manju Devi, S., & Sudhakaran, P.R.** (2012). Angiogenic response of AGE involves PPAR $\gamma$ . *Indian Journal of Biochemistry and Biophysics*, 49, 18-24.
2. **Manju Devi, S., & Sudhakaran, P.R.** (2011). Non enzymatic glycation of laminin enhances its angiogenic activity. *Trends in Carbohydrate Research*, 3, 17-25.

### c. ISBN/Book chapter-

1. **Manju Devi, S., & Sudhakaran, P. R.** (2020). Advanced Glycation End Products and Their Effects on Vascular Cell Function-Modulation by miRNAs. *Advanced glycation end products sources and effects*, 37-68.

### ❖ **Papers Presented:** (Last Five Years)

1. Evaluation of the inhibitory effects of short peptides on polyphenol oxidase activity in mushroom-Two Day National Seminar on Eco-Friendly Strategies for Sustainable Environment, Bhavan's Vivekananda College, Hyderabad (28<sup>th</sup> & 29<sup>th</sup> February 2020).
2. A comparative study of antioxidant activity of leaf and seed extracts of *coriander sativum*, *Trachyspermum ammi*, *Trigonella foenum-graecum* and *in situ* green synthesis of silver nanoparticles.-Two Day National Seminar on Eco-Friendly Strategies for Sustainable Environment, Bhavan's Vivekananda College, Hyderabad (28<sup>th</sup> & 29<sup>th</sup> February 2020).
3. An analysis on the effect of water pollution on chlorophyll and oxidative stress of plants.-Two Day National Seminar on Eco-Friendly Strategies for Sustainable Environment, Bhavan's Vivekananda College, Hyderabad (28<sup>th</sup> & 29<sup>th</sup> February 2020).

### ❖ **Awards/ Recognitions:**

1. DST-SERB Young Scientist fellowship (2015-2018).
2. DBT postdoctoral fellowship (2011-2014)
3. CSIR-UGC-Junior Research fellowship for research -2006
4. 1<sup>st</sup> Rank and Gold Medal in MSc Biochemistry- 2004.
5. 1<sup>st</sup> Rank and Gold Medal in BSc Biochemistry- 2002.

### ❖ **Invited Guest Lectures:**

1. Invited talk on 'Diagnostic enzymes of clinical significance' at *A.V. College of Arts, Science & Commerce* Domalguda, Hyderabad on 28<sup>th</sup> March 2018.

**◆ Workshops/ Refresher courses /Training programs Attended:  
(Last Five Years)**

1. Workshop on Building Competency for Online Teaching organised by Bhavan's Vivekananda college, 8-6-2020 to 10-06-2020.
2. One day workshop for UG teachers to teach Molecular Biology using Kit at University of Hyderabad, 03/01/2020

**Membership of Professional Bodies:** Life time member of Indian Society of Atherosclerosis Research