

NAVEEN KUMAR VENKATA GUNDALA

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I am interested in learning and acquiring new skills to add value and endeavor for the success through personal commitments and hard work. Curious to meet challenges, creativity and innovative thinking are my strengths.

SKILLS & ABILITIES

Specialization: Biochemistry, Biotechnology and Immunology

Scientific and technical

- *In vitro* animal (mammalian), microbial cell culture and *in vivo* animal studies designing and handling.
- Methods in Molecular Biology: Gene expression studies by quantitative PCR, designing primers and Protein expression studies by western blotting.
- Separation and Analysis of Biomolecules: Analysis of lipids by HPLC and GC
- Biochemical and Microbial methods
- Basic software skills
- Good at analyzing and interpreting the data. Drafting and editing scientific articles and project proposals in English.

Administrative

- I am a dedicated team player. I can lead and motivate the team towards the positive and result orient direction. I accept and delegate the work to other coworkers in the team. I am stable at any circumstances and try to learn and adapt from it.

Teaching

- I always experience the ecstasy of sharing knowledge in the teaching profession. Over a period of 10 years in teaching made me learn still more than what I possess. I edify the graduates and post-graduates in biochemistry, biotechnology, and moral values.

EDUCATIONAL QUALIFICATION

Doctor of Philosophy (Ph. D):

Title - "A study of the mechanism of cytoprotective action of Arachidonic acid on pancreatic beta cells in vitro and Anti-diabetic action in vivo".

Supervisor - Dr. Undurti N Das, MD, FAMS, FRSC

University - Dept. of Biotechnology, Jawaharlal Nehru Technological University Kakinada (JNTUK), Kakinada, India.

Year of award - November 2017

Post graduation: M.Sc Biochemistry in Andhra University, Visakhapatnam in first division (64%) during the period of 2004-2006.

Graduation: B.Sc. Biochemistry, Biotechnology, Human Genetics, MVR Degree College, Andhra University, Visakhapatnam in first division (69%) during the period of 2000-2003.

Intermediate: Biology (Botany and Zoology), Physics and Chemistry. Raghu Junior College, State Board of Intermediate, Dakamarri, in first division (61.7%) during the period of 1998-2000.

S.S.C: Govt. High School, Board of Secondary Education, Gajapathinagaram, Andhra Pradesh in first division (65%) during the period of 1997-1998.

PROFESSIONAL EXPERIENCE

- 1. Research Associate** Aug 2018 - Till date
National Institute of Pharmaceutical Education and Research (NIPER), Guwahati
- 2. Research Associate** Jan 2018 – July 2018
Bioscience Research Centre, GVP College of Engineering (A), Visakhapatnam
- 3. Project Associate/ Senior Research Fellowship** May 2012 – Jan 2018
Bioscience Research Centre, GVP College of Engineering (A), Visakhapatnam
- 4. Assistant Professor** Nov 2011 – Apr 2012
Department of Biomedical Eng., GVP College of Engineering for Women, Visakhapatnam
- 5. Lecturer** May 2011 – Jul 2011
Department of Biochemistry, Aditya Degree & PG College, Kakinada
- 6. Assistant Professor** Jun 2006 – Oct 2010
Department of Biochemistry, GVP College of Degree & PG Courses (A), Visakhapatnam

ACCOMPLISHMENTS

- Principle Investigator for a research project, titled “Biodegradation (Micro-Remediation) of Chemical Pesticides by Using Biofertilizer Microorganisms”, funded By University Grants Commission, Govt. of India, submitted 2009.
- State 3rd rank holder in Andhra University Common Entrance Test 2004.
- Served as General Secretary for Department of Biochemistry, Andhra University from 2004 to 2005.
- Received the prestigious Senior Research Fellowship of Indian Council of Medical Research, Govt. of India.

PUBLICATIONS

- Sailaja Polavarapu, Arul M. Mani, **Gundala Naveen K V**, Anasuya D. Hari, Siresha Bathina, Undurti N. Das. Effect of Polyunsaturated Fatty Acids and Their Metabolites on Bleomycin-Induced Cytotoxic Action on Human Neuroblastoma Cells In Vitro. **Plos one**. December 23, 2014 (I.F 4.5).
- **Gundala Naveen KV**, Vegi GM Naidu, and Undurti N. Das. "Arachidonic acid and lipoxinA4 attenuate streptozotocin-induced cytotoxicity to RIN5 F cells in vitro and type 1 and type 2 diabetes mellitus in vivo." *Nutrition* 35 (2017): 61-80 (I. F. 3.8).
- **Gundala Naveen KV**, Vegi GM Naidu, and Undurti N. Das. "Arachidonic acid and lipoxin A4 attenuate alloxan-induced cytotoxicity to RIN5F cells in vitro and type 1 diabetes mellitus in vivo." *BioFactors* 43.2 (2017): 251-271 (I. F. 4.5).
- **Gundala Naveen KV**, Vegi GM Naidu, and Undurti N. Das. "Amelioration of streptozotocin-induced type 2 diabetes mellitus in Wistar rats by arachidonic acid." *Biochemical and biophysical research communications* (Jan 2018) (I. F. 2.8).
- Chapter: Free Radicals and Lipid Peroxides in Health and Disease in the book Lipid Peroxidation: Inhibition, Effects and Mechanisms, published by Nova Science Publishers, Inc. **Gundala Naveen KV**, Siresha B, UN Das.

PERSONAL INFORMATION

Father's name : Sri. G. V. Chalapathi Rao
Gender : Male
Marital Status : Unmarried
Nationality : Indian
Date of Birth : 10-06-1983
Languages : English, Telugu and Hindi
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Andhra Pradesh- 530003, India
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