

Nadiya Shaik

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Research Interest

Enzymology, Toxicology Studies,

Animal Cell Culture, Microbiology,

Nanotechnology, Bioinformatics

Research Summary & Highlights

Biotechnology Researcher with 4 years of multidisciplinary experience to work in a meaningful and challenging position that enables me to develop myself as a professional and scope for my career growth by achieving the goals.

Education (Online certification course – 2 (NPTEL))

2021 (Pursuing) Ph.D. in **Biotechnology**, Vignan Foundation for Science, Technology and Research, Guntur, India

Thesis: Physiological Variance of Lactate Metabolism

2015-2017 M.Sc. in **Biotechnology**, Acharya Nagarjuna University, Guntur, India

Thesis: Validation of QTL's Identified in *O.nivara* derived in Introgression Line (IL)-3 and identification of gene specific markers from the candidate genes of QTL's.

2012-2015 B.Sc. in **Biotechnology**, Acharya Nagarjuna University, A.P, India

Experience (Academic – 4 Yrs; Research – 4 Yrs; Total – 8 Years)

15.09.2025-PRESENT Assistant Professor, School of Allied Healthcare Sciences, Malla Reddy University, Hyderabad

01.11.2024-28.02.2025 **Young Professional II**, ICAR-NMRI, Hyderabad, India

01.11.2018-31.05.2025 **Research Associate**, Plough IT Pvt. Ltd, Andhra Pradesh, India

03-05-2017-31.08.2018 **Administrative Officer**, A&M Technologies, Bahia Blanca, Argentina

02.02.2015-07.07.2016 **Project Assistant**, ICAR-IIRR, Hyderabad, India

Projects / Industrial Experience (Production & Marketing)

2020 NABL Water parameters testing analysis, Trainee, IICT, Hyderabad, India

Selected Publications (Papers:9, Citations: 45, h-index: 4, i-10 index: 3)

- Koigoora Srikanth, Sadhanala Siksha Sravani, Rajesh Pamanji, **Nadiya Shaik**, Gisha Sivan, Nadakuditi Venkata Raju, Cigarette butts: a source of toxicity and potential disruption of *Pila virens* antioxidant mechanisms, *Toxicology Research*, Volume 14, Issue 3, June 2025, <https://doi.org/10.1093/toxres/taaf056> (IF: 2.3)
- Shanmukh Chagantipati, Prasanth Palanisamy, Ganesh Burri, **Nadiya Shaik**, Venkata Raju Nadakuditi, Narendar Nasani, Raghu C. Reddy, Koigoora Srikanth, Venkatramaiah Nutalapati. Assessing the dual toxicity of HfO2 nanoparticles and quinalphos on *Pila virens*, *Science of The Total Environment*, Volume 957, 2024, 177582, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2024.177582> (IF: 8.9)
- Daniel A. Gideon, Pushparaj Annadurai, **Shaik Nadiya**, Thomas Jebastin, A. Sherlin Rosita, C. Nirmal Kumar, Abhinav Parashar, Chapter 30 - Natural compounds as inhibitors of the matrix metalloproteinase expression and enzymatic activity: the past, present, and future, Editor(s): Sajal Chakraborti, Therapeutics of Natural and Synthetic Compounds in Protease-Induced Cancer, Academic Press, 2025, Pages 479-511, ISBN 9780443266355, <https://doi.org/10.1016/B978-0-443-26635-5.00042-0>.
- Nadiya, S.**, Kolla, H.B. & Reddy, P.N. Optimization and evaluation of a multiplex PCR assay for detection of *Staphylococcus aureus* and its major virulence genes for assessing food safety. *Braz J Microbiol* 54, 311–321 (2023). <https://doi.org/10.1007/s42770-02300906-6> (IF: 2.4)
- Shaik Nadiya**, J. Rachel Mary Clementina, Benno Susai Vijayakumar, Thomas Jebastin, Pushparaj Annadurai, Abhinav Parashar, Daniel A. Gideon. Chapter 16 - Phospholipase signaling in inflammation and promiscuity of phospholipase active site ligands. *Phospholipases in Physiology and Pathology*, Academic Press 2023, Pages 309-334. ISBN 9780323956871. <https://doi.org/10.1016/B978-0-443-15177-4.00017-0>
- Daniel A. Gideon, **Shaik Nadiya**, Pushparaj Annadurai, Rachel Grace Murthy, Vignesh Srinivasan, Kandiban Nagaraj, A.B.K. Vijay Shri Vatsan, Thomas Jebastin, Ramachandran Sivaramakrishnan, Abhinav Parashar. Chapter 3 - Exploring phospholipase D signaling in the Warburg effect and cancer. *Phospholipases in Physiology and Pathology*, Academic Press 2023, Pages 45-77. ISBN 9780323956871. <https://doi.org/10.1016/B978-0-323-95696-3.00014-4>
- Karuppiyah Prakash Shyam, Venkatesan Ramya, **Shaik Nadiya**, Abhinav Parashar, Daniel A. Gideon. Chapter 15 - Systems biology approaches to unveiling the expression of phospholipases in various types of cancer—Transcriptomics and protein-protein interaction networks. *Phospholipases in Physiology and Pathology*, Academic Press 2023, Pages 271-307, ISBN 9780323956871. <https://doi.org/10.1016/B978-0-443-15177-4.00016-9>

Scientific Contribution/Reviewing/Thesis Supervision

Reviewer in peer reviewed journals:	0	External Examiner for University exams:	0
Thesis supervision (M.Sc.):	0	Membership/Affiliation to scientific society:	0
Conference/Symposium/Meeting:	16	Workshop/Training/Advance course:	6

Awards

2022 Best Award for HAKATHON at Vignan's Foundation for Science, Technology, India