




Dr. Nida Fatima

Director

Integral Startups Foundation, Integral University, Lucknow

My Contact

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Skills

- Coding (C / C++)
- Capacity Building
- Skill Development Programs
- Entrepreneurship Bootcamp
- Hackathons
- Government Relations
- Partnerships and Collaboration

Education Background

Ph.D. in Biotechnology – Integral University (2016)

- Thesis: *Study on Cyanobacterial Phytochemicals as a Potent Source of UV Protectants*

M.Tech. in Biotechnology – (2011)

- Silver Medalist

B.Tech. in Biotechnology (2008)

- Silver Medalist

About Me

Experienced biotechnology professional and entrepreneurship ecosystem enabler with experience in research, and innovation. Serving as the Director of Integral Startups Foundation, Centre for Incubation & Entrepreneurship Development (The Incubation Centre of Integral University, recognized by Government of Uttar Pradesh), I have mentored startups, organized high-impact events, and contributed to the growth of early-stage ventures. My academic foundation includes a Ph.D. in Bioengineering, where I focused on leveraging cyanobacterial phytochemicals for UV protection. Additionally, I have a proven track record in pharmaceutical leadership, having served as Director at Wasazra Pharmaceuticals Limited for over six years.

Professional Experience

Director – Integral Startups Foundation, Integral University
Presently

- Spearhead the Incubation Centre, Integral Startups Foundation- Centre Incubation and Entrepreneurship Development (recognized by Government of Uttar Pradesh), fostering innovation and supporting startups.
- Mentored over 20 startups and led entrepreneurship bootcamps, hackathons, and funding drives.
- Collaborated with government bodies, industry leaders, and academic institutions to build a sustainable entrepreneurial ecosystem.

Director – Wasazra Pharmaceuticals Limited
Duration: 6 Years (2017-2023)

Directed strategic planning for company's expansion and growth initiatives.

Key Participations & Organizational Leadership

- Led the Participation of Incubation Centre at the **UP International Trade Show** at Noida, representing Integral Startups Foundation (September 2024).
- As the Nodal Centre Head, Organized the **Innovation, Design & Entrepreneurship Bootcamp (IDE)** in collaboration with the Ministry of Education's Innovation Cell (Govt. of India) and AICTE (Govt. of India) -September 2024.
- Co-organized & delivered an expert talk at **Global Bio India 2024 Roadshow** at Technology Development and Innovation Centre (TDIC), BIRAC BioNest, CSIR-Indian Institute of Toxicology Research (IITR)
- Co-organized the **Google I/O Extended Event** at Integral University, in association with Google Developer Groups, TensorFlow, and StartInUP.
- Led Expert session at the **Nutrition for Health Summit** (October 2023) in association with the International Society for Medical Food and Nutrition (KGMU) and **Biotech Park (Council of Science & Technology, U.P., Govt. of U.P.)**
- co-organized the "School to Startup" event for successful pre-incubation and subsequent launch of 18 startups, each founded by students from Grade 2 to Grade 9 on February 14, 2024
- Organized **Young Founders Hunt** to develop entrepreneurial skills among school students (July 2023).
- Led the Participation of Incubation Centre at the **UP International Trade Show** at Noida, representing Integral Startups Foundation (September 2023).

Research Experience

CSIR-National Botanical Research Institute, Lucknow

- Conducted **Differential Expression Analysis** of DXS and DXR genes from *Withania somnifera*, focusing on key metabolic pathways.

Centre for Transgenic Plant Development, Jamia Hamdard, Delhi

- Led research on **Optimization of Genetic Transformation** of *Artemisia annua* using *Agrobacterium tumefaciens* with the GUS gene to enhance transgenic plant development.

Department of Endocrinology, Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow

- Engaged in endocrinology related research with a focus on gene expression and its implications for medical sciences.

Selected Publications

- **"Role of Cyanobacterial Bioactive Compounds in the Management of Type 2 Diabetes Mellitus: An In-Silico Study"** Published in *Zenodo* | DOI: 10.5281/zenodo.13827478
- **"Algal Bioactive Compounds in the Cosmeceutical Industry: A Review"** Published in *Phycologia* | DOI: 10.2216/15.58.1
- **"Alterations in the Antibacterial Potential of Synechococcus spp. PCC 7942 under UV-B Radiations on Skin Pathogens"** Published in *Saudi Journal of Biological Sciences* | Impact Factor: 2.802
- **"UV-B Protecting Activity of Synechococcus spp. PCC 7942 by Antioxidative Defense System"** Published in *International Journal of Pharma and Biosciences* | Embase (ELSEVIER)
- **"Evaluation of Antioxidant and Antibacterial Potentials of Nigella Sativa L. Suspension Cultures under Elicitation"** Published in *Biomed Research International* | Impact Factor: 2.276

Awards & Honors

- **Silver Medalist** – M.Tech. and B.Tech. Biotechnology
- **First Prize** in Paper Presentation at Bioved Research Institute of Agriculture and Technology, Integral University (2014).
- **Deming Award** for Case Study Presentation at ICSQCC (2001).
- Excellence Awards- 2023 from 'The Lucknow Tribune'
- **Certificate of Appreciation** at Nutrition for Health Summit 2023 organized under the Council of Science & Technology, Govt. of U.P.

Mentor & Entrepreneurship Ecosystem Enabler

As a mentor, I actively support early-stage startups and entrepreneurs in navigating the challenges of the innovation landscape. My guidance has led to the successful incubation of numerous ventures, contributing to their growth and market scalability.