

Brief CV of Dr. A. Ranga Rao

Dr. A. Ranga Rao Ambati, M.Sc., Ph.D., FSAB is a distinguished biotechnology scientist, academician, and research leader with more than **21 years of experience** in teaching, research, innovation, and academic administration. He currently serves as **Senior Scientist (Rank of Associate Professor)** and **Director, Advance Research Centre (ARC)** in the Department of Biotechnology at **Vignan's Foundation for Science, Technology and Research (VFSTR), Andhra Pradesh, India.**

Dr. Ambati's research focuses on **Algal Biotechnology, Food Biotechnology, Functional Foods, Nutraceuticals, Plant Biotechnology, Natural Products, Bioactive Compounds, and Bioprocess Engineering.** His work has significantly contributed to the development of sustainable technologies for the production of high-value biomolecules, particularly carotenoids, omega-3 fatty acids, and algal-derived nutraceuticals.

He has established an outstanding international research profile. His academic career includes appointments as **Postdoctoral Research Associate at Arizona State University (USA), Visiting Senior Research Fellow (Associate Professor Grade) at the University of Malaya (Malaysia), and Visiting Research Assistant Professor at Beijing Normal University–Hong Kong Baptist University (China).** He has delivered invited lectures and participated in scientific collaborations across the **USA, Canada, Brazil, Russia, China, Malaysia, Indonesia, Bolivia, and Oman.**

Dr. Ambati is recognized among the **World's Top 2% Scientists** (Stanford University/Elsevier database) for **five consecutive years (2021–2025).** He has published **more than 100 scholarly contributions**, including research papers, review articles, patents, edited books, and book chapters. His research impact is reflected by **over 8,170 Google Scholar citations, an h-index of 32, and an i10-index of 73,** along with numerous highly cited publications in biotechnology and food science.

His scholarly achievements include **9 patents, 9 internationally published edited books, 46 book chapters, over 70 research publications,** and supervision of **one Ph.D., five M. Tech., and forty B.Tech. research students.** He has successfully completed externally funded research projects and actively contributes to national and international research collaborations.

Dr. Ambati has received numerous prestigious recognitions, including the **Young Scientist Award** from the International Union of Food Science and Technology (IUFoST), **TWAS Young Affiliate, Best Researcher Award, Outstanding Performance Awards,** and several national and international fellowships. He also serves as an **editorial board member, guest editor, reviewer, research grant evaluator, external examiner, and scientific advisor** for leading international journals and funding agencies.

An experienced educator, Dr. Ambati teaches undergraduate and postgraduate courses in **Biochemistry, Bioanalytical Techniques, Nanobiotechnology, Food Biotechnology, Industrial Biotechnology, Bioprocess Engineering, and Algal Biotechnology.** He has played a key role in curriculum development, outcome-based education, NBA accreditation, and research capacity building at VFSTR.

Through his interdisciplinary research, international collaborations, academic leadership, and commitment to innovation, Dr. A. Ranga Rao Ambati has established himself as a leading contributor to biotechnology, food science, and sustainable bioresource research, with significant impact on academia, industry, and society.
