

SKRGC E-MAGAZINE

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ISBN - 978-93-6492-175-6

G. BRINDHA

INSPIRING EXCELLENCE AND EMPOWERMENT

SKRGC-EMG-004



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EMPOWERING EXCELLENCE: THE MULTI-FACETED JOURNEY OF DR. G. BRINDHA 🌟

A BEACON OF DEDICATION IN BIOTECHNOLOGY, MOLECULAR BIOLOGY, AND GENETICS



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It is with immense pride and admiration that we dedicate this feature to Dr.G.Brindha, an exceptional academic, researcher, and mentor currently serving as an Assistant Professor in the Department of Biotechnology at Hindusthan College of Arts & Science, Coimbatore, Tamil Nadu. Has completed training on Entrepreneurship Development organised by IITM technology innovation hub of IIT Madras with securing grade A. Her career is not merely a sequence of accomplishments, but a continuous upward trajectory fueled by hardworking, reliability, persistence, and tenacity in her work, making her an inspiration for all faculties, students, teachers, professors, and academicians.

I. THE CORE OF SCIENTIFIC RIGOR: ACADEMIC FOUNDATION AND RESEARCH PROWESS

Dr. Brindha has built a formidable academic foundation, having completed her Ph.D. in Biotechnology. Her specialization lies in the highly complex and critical fields of Molecular Biology and Genetics. This expertise is at the core of modern life sciences, driving innovations that are crucial for societal advancement



A. EXPERIENCE, EXPERTISE, AND DEDICATION

Dr. Brindha brings a rich combination of experience to her role:

- She possesses 7 years of teaching experience.
- She is equipped with a substantial 4 years of Research experience.
- She demonstrates expertise in essential laboratory skills.
- Her career reflects an unwavering expertise and dedication to advancing the field of genetics and molecular biology.

This rare blend of extensive teaching and hands-on research expertise provides her students and colleagues with unparalleled mentorship and leadership

B. HIGH-IMPACT RESEARCH AND GLOBAL DISSEMINATION

The quality of Dr.Brindha's research is consistently high, contributing significantly to the scientific community:

- **Publications:** She has successfully published research articles in peer-reviewed International and National journals with good impact factor.
- **Presentations:** Her strong record includes Technical research presentation during National and International conferences.
- **Knowledge Translation:** She excels at translating complex scientific findings into actionable intelligence, having developed client-facing reports and presentations to communicate research findings and strategic insights.

“With a rare blend of teaching excellence and research depth, Dr. Brindha brings both knowledge and inspiration into every academic and scientific endeavor.”



II. LEADING THE ACADEMIC DISCOURSE: EDITORSHIP AND SCIENTIFIC SERVICE

A true academic leader, Dr. Brindha plays a pivotal role in shaping the global scientific narrative through service and collaboration:

- **Journal Editorship:** To her credit, she is serving as an editor in an International journal - The Trout Journal of Atatürk University. This esteemed position reflects the trust placed in her scientific judgment.
- **Society Membership:** She is a distinguished member of IAST Indian Academy for Science And Technology Society for Innovation and Research Publication Forum.

These roles underscore her commitment to the rigorous process of peer review and the collective advancement of science and technology.





III. THE HEART OF MENTORSHIP : CULTIVATING FUTURE SCIENTIFIC LEADERS

Dr. Brindha's dedication to mentoring the next generation of scientists is profound and impactful:

- **Undergraduate Guidance:** She has guided around 20 UG students in their project work.
- **Postgraduate Guidance:** She has also guided around 10 PG students in their project work.

This impressive track record demonstrates her commitment to fostering research independence and transforming classroom knowledge into hands-on, impactful scientific inquiry. She is nurturing the talent that will drive tomorrow's innovations

IV. Distinction, Recognition, and Administrative Acumen

Dr. Brindha's excellence has been formally recognized through prestigious awards, validating the high quality of her scholarly contributions, alongside her critical role in institutional governance.

A. Awards and Honors

Her impactful work has earned her high honors on national and international platforms:

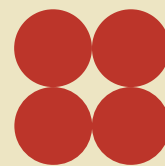
- **Best Poster Award:** She was recognized with the best poster award by Association of Food Scientists Technologists (India), ICFOST, Bangalore.
- **Paper Presentation Prize:** She Secured Second prize in paper presentation in an International conference held at Sakthi kailash womenscollege, Salem.

B. Administrative Contributions

Dr. Brindha has also effectively served in administrative responsibilities, showcasing her ability to manage complex institutional tasks alongside her demanding research and teaching duties. This administrative competence is crucial for maintaining a high-functioning academic environment.



V. A TESTAMENT TO LIFELONG LEARNING: COMMITMENT TO CUTTING-EDGE DOMAINS



Dr. Brindha stands as a shining example of the principle that a great educator must be a perpetual learner. She continues to strengthen her academic and professional expertise through continuous upskilling in cutting-edge domains.

A. Innovation-Driven Teaching and Entrepreneurship

Recognizing the need to integrate innovation with education, she has actively pursued programs that enhance her pedagogical impact:

- She successfully completed the **Wadhvani Foundation's Entrepreneur Educator Programme**.
- This training specifically enhanced her competence in **innovation-driven teaching and entrepreneurial mentoring**.

B. Mastery of Future Technologies and Sustainability

Dr. Brindha demonstrates foresight by integrating contemporary technological applications into her skill set:

- She completed the **AICTE – ATAL Academy FDP on “AI and Cybersecurity for a Sustainable Future: Innovations in Health, Agriculture, and Smart Cities”**.

This program, hosted at **Hindusthan College of Arts and Science**, allowed her to gain advanced insights into emerging technological applications, demonstrating her forward-thinking approach to science education

C. Academic Quality and National Advancement

Her dedication to quality and pedagogical excellence is further emphasized by critical certifications and training:

- **Quality Management Certification:** Her commitment to quality management is further reflected in her certification on **ISO 9001:2015 Non-Conformances and Corrective Actions through Alison**.

- **Capacity Building in STEM:** To support national academic advancement, she completed the Capacity Building Programme on **STEM Education (Emerging Trends in Life Sciences & Biology)**.
 - This rigorous program was organized by the Teaching Learning Centre (TLC) of **IIT Madras, Department of Biotechnology**.
 - It was conducted under the aegis of the Ministry of Education through the **Malaviya Mission Teacher Training Programme**.
 - This invaluable training **enriched her pedagogical skills and deepened her understanding of modern scientific education frameworks**.



VI. The Ultimate Inspiration: A Call to Action for the Academic Community

Dr. G. Brindha's professional narrative is a powerful blueprint for success and sustained impact in the academic world. Her career is characterized by a rare blend of fundamental scientific expertise in Molecular Biology and Genetics , effective administrative capability , influential global service as an editor and society member , and a relentless drive for self-improvement through cutting-edge FDPs and certifications.

To all our readers—fellow faculty, students, teachers, and professors—Dr. Brindha's journey serves as a compelling and motivating reminder: excellence is not a destination, but a continuous commitment to learning, rigorous research, and dedicated mentorship. Her significant impact in the field of biotechnology, her unwavering support for her students, and her proactive engagement with the future of education make her a true luminary and an enduring source of inspiration for the entire academic community.

We are all called to be persistent and tenacious in our pursuit of knowledge, just like Dr. G. Brindha.

Summary

Dr. G. Brindha's journey stands as a powerful testament to what sustained dedication, intellectual rigor, and a passion for teaching can achieve in the academic and scientific world. Through her excellence in biotechnology, molecular biology, and genetics, she has seamlessly integrated research, teaching, mentorship, and service, creating a lasting impact on students, institutions, and the wider scientific community. Her achievements, recognitions, and continuous pursuit of emerging knowledge reflect not only professional success but also a deep commitment to societal and educational advancement. As this E-Magazine highlights,

Dr. Brindha is more than an accomplished academic; she is a role model whose perseverance, innovation, and mentorship inspire others to strive for excellence, lifelong learning, and meaningful contribution to science and education.

Volume 02, Issue 04, No 01, 2025

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978-93-6492-175-6