



**RAMAIAH  
UNIVERSITY  
OF APPLIED SCIENCES**



Best  
Innovation  
University



# Applied Brilliance Makes All The Difference

## Admissions Open For 2020-2021



**Faculty of  
Life and Allied Health Sciences**

Department of Biotechnology

Research is a Quest for  
New Knowledge  
Creating New Ideas  
and Making Ideas Happen

## Ph.D. in Life Science

### Programme Highlights:

Life Science is an umbrella term that encompasses all areas of biology signifying the current evolution of biology into a multidimensional, multidisciplinary area. Keeping with the current trends a Ph.D. program that enhances research in basic science with a huge impetus on application based research is offered, catering to the needs of current times. Having its own state of the art UG and PG programs, the Ph.D. program is designed to meet international standards with emphasis on innovative research towards betterment of mankind. One of the chief goals is to provide an opportunity for students from various disciplines of biology to pursue their passion of research and development.

### Research Themes:

- Cancer phytotherapeutics
- Cell death mechanisms
- Molecular immune mechanisms in allergic manifestation
- Lectin biology
- Characterization of therapeutic molecules in in vitro human primary and cell line culture system
- Antimicrobial resistance mechanism, designing and development of beta-lactamase inhibitors
- Proteomic study of dengue virus
- Genomics, multi-omics and bioinformatics

### Research Facilities:

- Bio-separation unit
- Animal cell culture unit
- Plant cell culture unit
- Recombinant DNA Technology unit
- Cellular and Molecular Biology unit
- Immuno-therapeutics unit

Inspiring Applied Thinking

Apply online - [www.msruas.ac.in](http://www.msruas.ac.in)

### Admission Office

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