

## ABOUT Dr. MPS GROUP OF INSTITUTIONS

Dr. MPS Group of Institutions was established in 2005 with fully Air Conditioned, Wi-Fi campus and state-of-art infrastructure in the city of Taj Mahal, Agra. Dr.MPS Group of Institutions has pioneered in Biotechnology, Information Technology and Management education by offering Bachelor and Master programs. Dr.MPS Group of Institutions is dedicated to excel in higher education through its unique teaching-learning pedagogy and is committed in ensuring that all its students are provided an opportunity to develop themselves to their fullest potential in a professional and supportive environment. Not only Dr MPS Group of Institutions is dedicated in advancing the educational, cultural, social and economic development of the wider community but is also committed to provide the state-of-art facilities for research and developing entrepreneurial environment in the region. Supreme emphasis is laid on providing the best and sophisticated learning environment coupled with Indian heritage, value system and Sanskars. The guiding principle of Dr MPS Group of Institution is "Where modernity blends with Culture & Traditions".

## ABOUT BIOTECHNOLOGY DEPARTMENT

Biotechnology is an integrated utilization of various principles of Biological and Engineering Sciences for enhancing researches and industrial productivity in respect of Human welfare. Biotechnology is an emerging field of Biological Sciences with multiple career prospects globally on higher salaries along with vast researches opportunities in Biochemistry, Agricultural Sciences, Medical Biotechnology, Microbiology, Genetic Engineering, Animal Biotechnology and Industrial Biotechnology, Bioinformatics etc., for serving humanity. Department of Biotechnology is a premier Department of Dr MPS Group of Institutions offering quality education and researches in Biotechnology and allied fields. The courses offered are M.Sc. and B.Sc. in Biotechnology which are affiliated to Dr B.R.A. University, Agra. Biotechnology Department Dr MPS Group of Institutions is training its students conceptually and particularly so that they are developed as a skilled professional and able to meet the demand of industry. Biotechnology Department regularly conducts academic and extracurricular activities like Guest lecturers (from the eminent Academicians/Industrialist/Scientists), Industrial visits, educational tours, conferences, seminars, workshops, in house projects, debates, quizzes. Well equipped Laboratories have been established in the Department for performing experimental work on advanced tools and techniques along with the enriched Library with required books, journals, magazines and most recent books of several publishers on the recent developments in Biological Sciences.

## ABOUT THE SEMINAR (AIM AND OBJECTIVE OF NATIONAL SEMINAR)

It gives us immense pleasure to invite you to participate in our National Seminar 2020 on "Emerging Trends in Biotechnology and Agricultural Researches" on 24th January 2020, being organized by the Department of Biotechnology, Dr MPS Group of Institutions, Agra. The main objective of this National Seminar is to promote the current researches and scientific acquaintance of Biotechnology and Agricultural Sciences for the sustainable development. National Seminar is also going to provide a forum for healthy interaction on various aspects with eminent Scientists, Industrialists, Entrepreneurs and Professors. It will provide deep insights of Biological Sciences to the participants like; innovations, creativity, scientific temperament and skill development for fruitful outcome. It will be consisting of various sessions including keynote speech, plenary and parallel technical sessions for vast interaction during the presentations of budding Scientists and Researchers on recent approaches.

Biotechnology is a branch of applied Biological Sciences which has an impact on various sectors and disciplines by employing recent tools and techniques of genetic engineering, plant tissue culture, DNA sequencing, genomics, proteomics, recombinant DNA technology, transgenesis, gene expression, molecular markers, molecular diagnostics, gene therapy and statistical and analytical tools etc. for the human welfare. The Biotechnology Industry has expended multifold from last few decades with an ongoing increasing requirements of skilled professionals to accomplish higher researches and industrial operations. Today, Indian Biotechnology sector comprises of more than 280 companies and around 180 suppliers for generating revenue of about US \$ 1.5 billion in different areas like Clinical Researches, Agricultural Sectors, Drug Formulation, Human Healthcare, Foods, Solvent Production, Processing of secondary metabolites, growth regulators, pharmaceuticals etc. The Central Government also emphasizing BT sector under the 'Make in India' program by providing financial and scientific support to the Research Institutes and Industries for better collaborative efforts to promote higher researches and productivity. Enhanced understanding of Biological Sciences and interdisciplinary scientific approaches has resulted in major breakthrough of Industrial products for the betterment of society. This seminar is not only an opportunity to interact with eminent professionals from various disciplines and industries but also explore the possible ways for the collaboration between the Institute and Industries.

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