

Important Contact Numbers:

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Transportation: 8949312523 (Dr. Vivek Dave)

Registration: 9119354209 (Dr. Nirmala Jangid)

How to Reach Banasthali:

Banasthali is located 72 km from the Jaipur, 8 km off on Jaipur-Kota road. Frequent bus service is available for Banasthali Vidyapith campus/ Newai from Bus Stand (Sindhi Camp), Jaipur. Newai is 10 km from Banasthali. The conveyance will be available at Banasthali Newai Railway Station (WR, Jaipur-Kota Broad gauge Line). Jaipur (Sanganer) Airport is 59 km from Banasthali.

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Address for correspondence

Convener

National Conference on Recent Advances in Basic Science Research

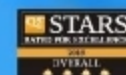
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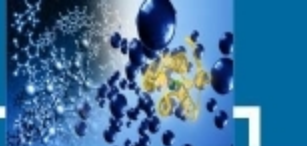
Banasthali, Rajasthan-304022 (INDIA)

E-mail: convenorcon2018@gmail.com

NATIONAL CONFERENCE
ONRECENT ADVANCES IN
BASIC SCIENCE RESEARCH

December 21 - 22, 2018

Organized by
Faculty of Life Sciences
Banasthali Vidyapith
Banasthali-304022 (Raj.)Supported by
Department of Science
and Technology
New Delhi



About The Institution

Banasthali Vidyapith, established in 1935, is the world's largest residential university for women with more than 15000 students on its 850-acre campus situated amidst rural settings in Rajasthan. The Vidyapith has evolved a distinct innovative educational ideology and offers a variety of programmes from nursery up to doctoral level across a wide spectrum of disciplines to prepare enlightened citizens with strong value-base.

As a premier university for women's education, the Vidyapith is known the world over for educational facilities and is nestled in a serene and pious environment amidst an ambience of Indian ethos and culture. Banasthali's educational ideology is based on the concept of five-fold education comprising of physical, practical, aesthetic, intellectual and, above all, moral aspects to develop an integrated and balanced personality of the students besides the requisite professional training. Banasthali graduates are known the world over for their leadership qualities and have become governors, corporate chief executives, international sportspersons, renowned artists and musicians, leading administrators, eminent educationists, social activists, and have by and large brought radical transformation in their families, organizations and surroundings.

The Vidyapith has received the highest possible accreditation from NAAC and is the only Women's University to feature among the top 100 Universities in the country in the year 2017 & 2018 in ranking by NIRF. Banasthali has been identified as one of the premier universities in India and the BRICS nations by the most authentic international ranking agency of the world 'Quacquarelli Symonds Limited' (QS). Banasthali has also been conferred QS 4 Star and QS F-Gauge Diamond status, the highest for any Indian University.

About The Department(s)

Chemistry

Since 1970 Department of Chemistry has been running under graduate, post graduate and Ph.D. programme in chemistry. Over the years, its development has been so spectacular that in the last five years it has produced around 550 M.Sc., more than 80 Ph.D. students and published more than 300 research papers in the peer reviewed National and International journals of good repute. Department has developed a 'State-of-Art' facility for teaching and research as evidenced by the sophisticated instrumental facility such as a 400 MHz FT-NMR spectrometer, BET Surface Area Analyzer, CHNS elemental analyzer, FTIR, HPLC, HPTLC, GC, UV-VIS Spectrophotometers, UV-VIS-NIR Spectrophotometers, Potentiostat, Gouy balance, TGA, MW synthesizer etc. The department presently has more than forty Ph.D. research scholars who have been pursuing their research work on various subjects related to 'synthesis of heterocyclic compounds of medicinal interest with special reference to compounds useful as anticancer and anti-HIV agents obtainable by exploring the potential of 'privileged heterocyclic structures' and application of Domino and multi-component based one pot reactions in organic synthesis', extraction, isolation, characterization and pharmacological evaluation of active constituents from natural sources, synthesis, characterization and application of metal oxide nanoparticles and their core-shell nanocomposites in the purification of polluted water contaminated with various organic and inorganic toxicants, role of nanocatalysts in organic synthesis and study on plant based corrosion inhibitors.

Pharmacy

Since its inception in 2008, department of pharmacy has taken a great leap in the field of research and in a just few years it has been able to publish 350 research papers in reputed journals having high impact factor, along with bringing out 35 books with nationally and internationally reputed publishers. Department offers Ph.D., M.Pharm. (Pharmaceutical Chemistry, Pharmaceutics & Pharmacology) and B. Pharm. programmes. It is worth mentioning that apart from 'State-of-Art' infrastructure that Department has for the research in Pharmacy, its Drug Discovery Research Lab (DDRL) is a big strength to the department. The DDRL lab has yielded a number of novel structurally diverse lead compounds with potent in-vitro activity against many targets like PDE, urotensin receptor, DHFR, malaria etc. In fact we have developed a complete in-silico HTS programme with sufficient emphasis on experimental validation of the identified Hits. The department has highly qualified

faculty members experienced in a wide area of pharmaceutical research; whose unstinted efforts in career building of the students have inspired them to reach to the newer heights of excellence in their academic pursuits. Department of Pharmacy ranked 16th in NIRF 2018 and 20th in NIRF 2017 Ranking issued by MHRD, Govt. of India. The Department of Pharmacy has also been conferred QS 3-Star Rating by Quacquarelli Symonds, a U.K. based university ranking agency, which is considered most reputed and credible internationally.

Bioscience & Biotechnology

The department of Bioscience and Biotechnology has been a fountain head of research and teaching activities aimed at multi-disciplinary understanding of modern biology. With faculty strength of around 33, the department offers PG programmes, i.e. M.Sc. in Applied Microbiology & Biotechnology, Biotechnology, Bioscience and Bioinformatics along with M. Tech in Biotechnology. In addition, UG programmes leading to B.Sc. Bioscience/ Biotechnology and B. Tech. Biotechnology degrees are also offered. There are around 60 Ph.D. students in the department pursuing research in various disciplines of Biotechnology, Bioscience and Bioinformatics. The Department has DBT, Government of India supported Centre for Bioinformatics and a DST-FIST programme. The department has contributed more than 350 research papers in Scopus indexed journals in the last five years with an h-index of 27.

About The Conference

The core vision of the conference is to provide an excellent academic forum and interactive platform for exchange of ideas and views with participating members on the emerging trends and challenges in research in the field of basic and life sciences. Its objective is to abreast the emerging scientists with the latest developments of this field by providing them an opportunity to enrich their vision in research by undertaking the stock of the present status of research and to gather future research ideas and directions towards a quality of research. The broad aim of the conference is to groom the young scientists' minds to face the challenges of future for effective and efficient professional responsibilities.

Thrust areas:

- Synthetic Organic & Medicinal Chemistry
- Natural Products
- Environmental Sciences
- Nanotechnology & Materials Science
- Coordination Chemistry
- Analytical Chemistry
- Drug Discovery
- Preclinical & Clinical Studies
- Formulation & Drug Delivery
- Plant, Animal and Microbial Biology