

PLACES OF INTEREST

Moodbidri is known as Jain Kashi of South India and it is an ancient center of Jain learning. Moodbidri houses 18 Jain temples (Basadis). The older of them is the 15th century Chandranatha Basadi, which is also known as the Thousand pillars Temple or Savira Kambada Basadi built in A.D. 1462 famous for its stone sculpture. The 2.5 metres tall bronze image of Lord Chandranatha Swami in the sanctum of this Basadi is considered to be very sacred.



St. Lawrence Church is known as the beacon of miracles. Seems to have been in existence even before 1759 A.D. St. Lawrence Shrine is situated at the foot hill of Parpale 'hill' in



a little village called Attur, which is about 5 km west of Karkala bus stand it is believed that if a person visits the church during the annual festival and lights a candle making a wish, the wish comes true, even on other days devotees light candles praying for the fulfillment of their wishes, St. Lawrence Shrine, or Attur Church,

was built in the 18th century by Christians who fled Portuguese rule in India

Shobhavana is a living testimony of tireless and conscientious effort of Dr. M. Mohan Alva to preserve the rich flora of the tropical coast line of India in all its splendor. It is located at a distance of 8 km from Moodbidri towards Mangalore. It is spread across over an area of 140 acres. This herbal garden is home for more than 14,000 varieties of vana's which includes the enchanting Nakshatra Vana, Rashi Vana to name a few. Here more than 330 varieties of rare and endangered species found only along the Western Ghats terrain are also preserved



Karkala Gomateshwara is located atop a hill, called the Bahubali hill, it is a towering monolithic granite structure and one among the five main Gomateshwaras in the state. It rises 42 feet and is the second tallest in the state after the Gomateshwara in Shravanabelagola. The State is enclosed by a square compound in front of which is a tall carved pillar called Manasthamba, and flanked by shrines dedicated to Parshwanatha and Sheethanatha.



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Correspondence

All the correspondence regarding registration and for any other information may be sent to

Dr. Rama Bhat P.

Convener

National Conference

Post Graduate Dept. of Biotechnology

Alva's College, Vidyagiri

Moodbidri - 574227, Karnataka

Email : biotechnolconf2020@gmail.com
Mobile : 9480228391 (Dr. Rama Bhat P.)
Mobile : 9481319319 (Dr. Jayadev K.)
website : www.alvascollege.com



ALVA'S COLLEGE

(Accredited with A Grade by NAAC with CGPA of 3.23)

A unit of Alva's Education Foundation (R.)

Alumni Sponsored

National Conference

on

Current Advances in Medical and Industrial Biotechnology

Organised by

Department of Biotechnology

Alva's College, Moodbidri

Date

20th February 2020

Venue :

Kuvempu Hall

Alva's College

Sundari Ananda Alva Campus,

Vidyagiri, Moodbidri - 574227



ALVA'S EDUCATION FOUNDATION

Alva's Education Foundation (AEF), Moodbidri, Karnataka established in the year 1995 offers courses across broad range of disciplines under Mangalore University, Rajiv Gandhi University for Health Sciences and Visvesvaraya Technological University. Besides advancing the cause of knowledge in various fields, the professional colleges under AEF organize many cultural and literacy festivals like Alva's Nudisiri, Alva's Virasat, Alva's Chitrasiri, Alva's Varna Virasat, major events to lead rich meaning to the contemporary social life which is otherwise fraught with modern monotony and mandate uniformity. In addition many sports events of state and National denominations are organized to groom the budding talents for golden career.

Alva's College was established in the year 1998 is affiliated to Mangalore University, The college is re-accredited with A Grade by NAAC with CGPA of 3.23. It offers 26 undergraduate and 21 post graduate and additional courses redesigned with new combinations to link them closely with employment market. The campus is amidst sprawling greenery of foot hills of the Western Ghats in Vidyagiri of Moodbidri. The culturally rich environment, the atmosphere of discipline and the year long activities make the student life eventful and successful future life. The college ranks first in results and student strength in Mangalore University.

DEPARTMENT OF BIOTECHNOLOGY

The Department of Biotechnology was established in the year 2003. To equip the students with necessary skills, expertise and to orient them towards research in the field of Biotechnology, MSc Biotechnology course was initiated in the year 2008 to take the challenges of the academics and industry. The laboratories of the Department provide good infrastructure facilities to enable the students to carryout projects and acquire expertise in handling instruments. Department is involved in research activities and it has already completed projects funded by BRNS, Bombay and VGST, Bangalore in the field of plant, animal and microbial biotechnology. Department has well established facilities for conducting plant tissue culture, microbial work and animal biotechnology. Alva's Centre for Research in Biotechnology is recognized by Mangalore University.

THE CONFERENCE

Medical biotechnology is an application of biotechnology that endorses the lives of individuals every day. Medical biotechnology also called as red biotechnology is the use of organisms and organisms-isolated materials for research and to produce diagnostic and therapeutic products that help to treat and prevent human diseases. The aim of medical biotechnology is the Prevention, Diagnosis and Treatment of diseases. The principles of medical biotechnology are applied in pharmacology, gene therapy, stem cells and tissue engineering. Medical biotechnology is a rapidly evolving field integrating knowledge obtained in molecular, cell biological, genetic and immunological scientific areas.

Industrial biotechnology, also known as white biotechnology, is the modern use and application of biotechnology for the sustainable processing and production of chemicals, materials and fuels from renewable sources, using living cells and/or their enzymes. This field is widely regarded as the third wave of biotechnology. Biotechnological processing uses enzymes and microorganisms or plant/animal cells to make products in a wide range of industrial sectors including chemicals, pharmaceuticals, food & feed, detergents, pulp, paper, textiles, energy, materials and polymers. The fundamental force that drives the development and implementation of industrial biotechnology is the market economy, as biotechnology promises highly efficient processes at lower operating and capital expenditures. In addition, political and societal demands for sustainability and environment-friendly industrial production systems, coupled with depletion of crude oil reserves and a growing world demand for raw materials and energy will continue to drive this trend forward. Modern white biotechnology is a relatively new discipline, with major areas of knowledge still to be explored. It offers great development opportunities, but appropriate and timely research needs to be in place to support innovation. Industrial biotechnology is by nature a multi-disciplinary area, comprising biology, microbiology, biochemistry, molecular biotechnology, chemistry and engineering. We have great pleasure in inviting you to participate and present your research papers in one day National Conference entitled "Current Advances in Medical and Industrial Biotechnology" on 20.02.2020. Following are the main themes of the conference:

1. Biomedical research (specific disease related work, pharmacokinetics and dynamics, genetic engineering, disease modifying research etc)
2. Cell biology and cancer research
3. Industrial microbiology (antibiotic resistant, batch production, vaccine etc)
4. Plant and Environmental biotechnology (focus on agriculture and pollution)

5. Nano biotechnology and biophysics.

The detailed schedule of programme, individual topics and speakers will be sent with invitation letters to the registered delegates.

WHO CAN ATTEND

Academicians, scientists, faculties, research scholars, undergraduate and postgraduate students from Universities, research institutes, colleges and personnel from industry are welcome to participate.

ABSTRACT SUBMISSION AND ORAL PRESENTATION

The abstract should include objectives, study approach, result and conclusions separately. The title of the paper should be in capital and in bold followed by names of authors and their institutional address with e mail ID of corresponding author. The abstract should be typed in single line spacing (Time New Roman font size 12 using MS ord) and should not exceed 250 words. Kindly mail the abstract to biotechnolconf2020@gmail.com. There will be oral and poster sessions for presentation of research finding. Best oral and poster will be awarded cash prize. Poster boards of 1.0x1.0m will be provided. Posters should be legible and you are advised to organise your poster in to section, viz., Abstract, Introduction, Result and Summary. Standard abbreviation should be used. The acceptance of the presentation in oral/poster session will be intimated through email.

IMPORTANT DATES

Last date for of abstract submission 5.2.2020

Intimation of acceptance: 10.2.2020

Registration Fees:

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|-----------------------|---|------------|
| Corporate sector | - | Rs. 500-00 |
| Faculties/ Scientists | - | Rs. 400-00 |
| Research Scholars | - | Rs. 300-00 |
| Students | - | Rs. 250-00 |