

B. L. D. E. ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE
DEPARTMENT OF ZOOLOGY

SPECIAL GUEST LECTURE REPORT

GUEST SPEAKER Mr. MALLIKARJUN GONI

**Research Associate, Research institute for Biomedical Sciences,
Shri Dharmasthala Manjunatheshwara University, Dharwad**

Topic: Recent Trends in Biomedical Sciences

DATE: 09/08/2023 TIME:11:30AM VENUE: SEMINAR HALL-1

Advancements in Gene Editing Technology:

One of the most significant trends in biomedical sciences is the rapid advancements in gene editing technology. Techniques such as CRISPR-Cas9 have revolutionized the field by allowing scientists to easily and precisely modify genes. This has opened up new possibilities for studying and potentially treating genetic disorders.

Emergence of Personalized Medicine:

Another major trend is the emergence of personalized medicine. With advancements in genomics and molecular diagnostics, healthcare is shifting towards a more individualized approach. By analyzing an individual's genetic makeup, doctors can tailor treatment plans specifically to their unique needs. This has the potential to improve outcomes and reduce adverse reactions to medications.

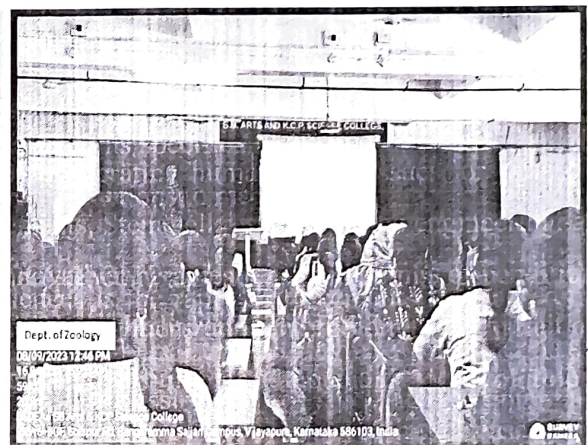
Focus on Microbiome Research:

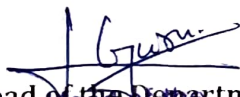
The study of the human microbiome has gained significant attention in recent years. The microbiome, which consists of trillions of microorganisms residing in and on our bodies, plays a crucial role in maintaining overall health. Researchers are exploring its link to various diseases and investigating potential therapeutic strategies targeting the microbiome. Understanding the interactions between the microbiome and human health has the potential to lead to innovative treatments and preventive measures.

Advancements in Regenerative Medicine:

Regenerative medicine, which involves replacing or regenerating human cells, tissues, or organs to restore normal function, has seen remarkable advancements. Stem cell research, tissue engineering, and 3D printing technologies are being used to develop innovative therapies for a wide range of conditions, including organ failure and tissue damage. These breakthroughs have the potential to greatly improve quality of life and provide new treatment options for patients.

In summary, recent trends in biomedical sciences encompass advancements in gene editing technology, the emergence of personalized medicine, focus on microbiome research, and advancements in regenerative medicine. These trends hold immense potential to revolutionize healthcare and lead to significant improvements in diagnosing, treating, and preventing diseases.




 Head of the Department
 Department of Zoology,
 S.B.Arts & K.C.P. Sc. College,
 VIJAYAPUR.


 IQAC, Co-ordinator
IQAC, Co-ordinator
 S.B.Arts & K.C.P.Science College,
 Vijayapur.


 Principal,
Principal
 S.B. Arts and KCP Science College,
 VIJAYAPUR



B. L. D. E. ASSOCIATION'S
S. B. ARTS AND K. C. P. SCIENCE COLLEGE

Smt. Bangaramma Sajjan Campus, Shri B. M. Patil Road (Solapur Road), Vijayapur-586103

Accredited with CGPA of 2.99 at 'B' Grade in 4th Cycle by NAAC

(Affiliated to Rani Channamma University, Belagavi)

Phone: (08352) 262770, Extn. 2223, 2224

Website: www.bldeasbkcp.ac.in E-mail: bldeasbkcp@gmail.com



Date: 09/08/2023

LETTER OF APPRECIATION

We place on record our appreciation for being resource person for Guest Lecture organized by our institution. **Mr. Mallikarjun Goni**, Research Associate, Research institute for Biomedical Sciences, Shri Dharmasthala Manjunatheshwara University, Dharwad, delivered Guest Lecture on Topic– “**Recent Trends in Biomedical Sciences- Application of Stem Cell Culture**” organised by Department of Zoology on 09/08/2023. We appreciate his valuable service in sensitizing students to new sector of science and research.

Dr. Manu
9/8/23

Principal,
S.B. Arts and KCP Science College
VIJAYAPUR