

**INTERNATIONAL SEMINAR CUM WORKSHOP**  
**ON**  
**APPLICATIONS OF BIOINFORMATICS**  
**IN LIFESCIENCE RESEARCH**

**REGISTRATION FORM**

Full Name ( In capital) :

Designation :

Institution / Organization :

Address for communication :

Contact No. :

E-mail ID :

Category: Student ☐

Research Scholar ☐

Faculty/Academician ☐

Registration for

Seminar ☐

Seminar + Workshop ☐

**DD Details**

DD No. \_\_\_\_\_ dt \_\_\_\_\_

Bank & Branch \_\_\_\_\_

Signature  
(Applicant)

Signature  
(HOD)

**CONVENOR**

Dr. (Mrs.) SHANAZ AHAMED  
Principal, JBAS college for Women

**CO-CONVENOR**

Mrs. M. JABEEN  
Vice Principal (AN)

**CO-ORDINATOR**

Ms. SUMMERA RAFIQ  
HOD, Department of Microbiology

**ORGANISING SECRETARIES**

Ms. ANU SWEDHA .A  
Assistant Professor in Microbiology

Ms. SUMITHA .J  
Assistant Professor in Microbiology

**ORGANISING COMMITTEE**

☞ Dr. SK. JASMINE SHAHINA

☞ Ms. W. PARVEEN

☞ Ms. P. PRIYADARSHINI

☞ Ms. IRFANA TABASSUM .S

☞ Dr. R. LAKSHMI

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**JUSTICE BASHEER AHMED SAYEED**  
**COLLEGE FOR WOMEN**

(AUTONOMOUS), Chennai – 600 018  
COLLEGE WITH POTENTIAL FOR EXCELLENCE  
Re-accredited by NAAC in 2013 with an Outstanding  
CGPA of 3.61(out of 4) at 'A' Grade

**INTERNATIONAL SEMINAR CUM WORKSHOP**  
**ON**  
**APPLICATION OF BIOINFORMATICS**  
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*Bi-Fyi*

*(Bioinformatics for your Information)*

**27<sup>th</sup> & 28<sup>th</sup> February 2017**



Organized by

**Department of Microbiology**

## ABOUT THE INSTITUTION

The Justice Basheer Ahmed Sayeed College for Women (formerly S.I.E.T. Women's College) was established in 1955 in the heart of Chennai. The Mission of the College is to empower women students from economically and socially backward communities, irrespective of caste and creed, with education of the highest quality so that these women may lead responsible and purposeful lives and transmit their achievement to the betterment of society. True to the motto of the College "Learning is light from God", in the six decades that have sped by since the inception of the College approximately 90,000 students have passed with honours out of the portals of this Institution.

In 1999, the College was accredited with an Outstanding 5 Star status by the National Assessment and Accreditation Council (NAAC). In February 2007, the College was reaccredited with 'A Plus' status. In 2013, during the third cycle of accreditation, the College was reaccredited with an Outstanding CGPA of 3.61 (on four point scale) at 'A Grade'. In 2016, 'College with Potential for Excellence' status was conferred.

The College offers 32 Undergraduate and 14 Postgraduate courses along with 5 Research departments. The College works in two sessions with a total of over 7,000 students, 300 teaching faculty and 82 administrative staff.

## ABOUT THE DEPARTMENT

The Department of Microbiology was established in the year 1999 with P.G Applied Microbiology course and U.G Microbiology course was subsequently introduced in the year 2000 with the vision of imparting proficient education to women students. With a current student strength of more than 170, our department has very good infrastructure with 11 well equipped laboratories like Applied Microbiology, Medical Microbiology, Immunology and Molecular biology labs enriched with specialized facilities. The Department has collaborations with research institutes, hospitals and diagnostic centres. The faculty members of the department are actively engaged in research and scientific papers are being published in reputed indexed national and international journals. The students of the department are trained extensively to meet the challenges in the evolving field of Microbiology.

## FOCAL THEME OF THE SEMINAR CUM WORKSHOP

Research in biological sciences has progressed tremendously in the past decades. The pace at which scientific knowledge is being updated and shared today, was never been so fast in the past. Different areas of science are getting closer to each other to give rise to new disciplines. Bioinformatics is one such emerging field, which makes use of computer, mathematics and statistics in molecular biology to archive, retrieve, and analyse biological data. It is getting popular due to its ability to analyse huge amount of biological data quickly and cost-effectively.

Bioinformatics can assist a biologist to extract valuable information from biological data providing various web- and/or computer-based tools, the majority of which are freely available. The main objective of the seminar cum workshop is to expose the participants to basic fundamental concepts, tools and softwares of bioinformatics. While the purpose of the seminar is to update the knowledge about the current trends and recent developments in the field of bioinformatics for life science students, the workshop will provide a forum for faculty and research scholars in life sciences to relate to computational systems and information technologies for their pursuits.

## INVITED SPEAKERS

- ❖ Dr. ABM Md. Khademul Islam, Associate Professor in Bioinformatics, Department of Genetic engineering and Biotechnology, University of Dhaka, Bangladesh
- ❖ Dr. Umashankar Vetrivel, HOD and Reader, Centre for Bioinformatics, Vision Research Foundation, Sankara Nethralaya Hospital and Research Institute, Chennai.
- ❖ Dr. P.Kumaraswamy, Professor and Head, Bioinformatics centre and ARIS Cell, Madras Veterinary College, Chennai.
- ❖ Dr.Mohammed Ilyas, Associate Professor, Department of Botany, Jamal Mohammed College, Tiruchirapalli

## WORKSHOP TOPICS

- ❖ Biological Sequence Databases
- ❖ Sequence similarity search – using BLAST
- ❖ Multiple Sequence Alignment – Clustal omega
- ❖ Phylogenetic Analysis – Cladogram, Phylogram
- ❖ Homology modelling & visualization tools - Modeller, I-tasser, Rasmol

## REGISTRATION DETAILS FOR SEMINAR CUM WORKSHOP

### Seminar Registration

Registration for the seminar is free for both UG & PG students. Certificates will be provided (Lunch will not be provided).

### Workshop Registration

Registration for the workshop is limited to PG students, research scholars and academicians. Only 3 participants are allowed per college. The workshop is limited to the **first 30 participants** based on first come first serve basis.

## REGISTRATION FEE FOR SEMINAR CUM WORKSHOP

Post graduate Students and Research Scholars – Rs. 500/-

Faculty members and Academicians – Rs. 750/-

- ❖ Registration fee should be paid in the form of DD drawn in favour of "Justice Basheer Ahmed Sayeed College for Women" payable at Chennai.
- ❖ Registration fee includes kit, workshop material, lunch and refreshments.

## DATE TO REMEMBER

The last date for receipt of filled in registration form for the seminar and registration form + DD for the seminar cum workshop is 22<sup>nd</sup> February, 2017. No spot registration for the workshop.