

# Seminar Report



**Bharathidasan University  
Tiruchirappalli – 620 024**

**National Seminar on Microbes in Women Health**

**Organised by**

**Department of Microbiology, Bharathidasan University**

**In collaboration with  
Trichy Obstetric and Gynecological society (TRIOGS)  
Tiruchirappalli – 620 018, Tamil Nadu, India**

**July 11-12, 2019**

**Sponsored by**



**The International Society for Microbial Ecology, the Netherlands**

## Seminar Inauguration Ceremony

The inaugural ceremony was held at University Auditorium at 10.00 am as per schedule. **Dr. V. Rajesh Kannan**, Associate Professor and Head delivered the welcome address and **Dr. T. Ramani devi**, Convenor delivered about the seminar. The presidential address was delivered by **Prof. P. Manisankar** Hon'ble Vice-Chancellor, Bharathidasan University, Tiruchirappalli. He described the importance of microorganism in healthy baby development; mother child microbial transfer is a key determinant in infant and women health. Microbiome plays an essential role in not only in health and dysbiosis, but also potentially in successful fertilization and healthy pregnancies. **Prof. N. Thajuddin**, Organizing Chairman and **Dr. S. Chitra** delivered the felicitation address. **Dr. D. Dhanasekaran**, Organizing Secretary delivered the vote of thanks.



## Inauguration





## Inauguration



## Abstract Release



### Organizing Committee

**Patron**  
Prof. P. Manisankar, Hon'ble Vice Chancellor, Bharathidasan University

**President**  
Prof. G. Gopinath, Registrar, Bharathidasan University

**Convener**  
Dr. T. Ramani Devi, MD, DGO, Vice President  
South Zone elect, FOGSI 2020 & Ramakrishna Medical Centre, Trichy

**Organizing Chairman**  
Prof. N. THAJUDIN, Professor and Head  
Department of Microbiology, Bharathidasan University. Cell: 98423 79719  
Dr. S. CHITRA, MD, DGO  
President, Trichy Obstetric and Gynecological Society (TRIOGS)

**Organizing Secretaries**  
Dr. D. DHANASEKARAN  
Assistant Professor, Department of Microbiology  
Dr. PUNITHA RAJESH, MD (OG)  
Secretary, Trichy Obstetric and Gynecological Society (TRIOGS)  
Dr. N. PUSHPA, Associate Professor, Department of Microbiology  
Cauvery College for Women. Cell: 93457 74391

**Members**  
Dr. V. RAJESH KANNAN, Associate Professor  
Dr. G. MURALITHARAN, Assistant Professor  
Dr. P. THIYAGARAJAN, Assistant Professor  
Dr. C. NITHYA, DST-INSPIRE Faculty, Department of Microbiology

**All Correspondence to**  
Dr. D. DHANASEKARAN  
Organizing Secretary, NSMWH-2019  
Department of Microbiology  
Bharathidasan University  
Tiruchirappalli- 620 024, Tamil Nadu  
Email id: nsmwh2019@gmail.com  
ddhanasekaran@bdu.ac.in  
Mob: +91 9486258493

### NATIONAL SEMINAR ON MICROBES IN WOMEN HEALTH

July 11-12, 2019

#### Registration Form

Title: Prof. / Dr. / Mr. / Ms. Name : .....

Gender : .....

Position : Student / Scholar / Faculty

Name of the Organisation : .....

Address : .....

Cell : .....

Email : .....

**Payment Details**  
Mode of payment: DD / ONLINE / Spot Payment

Amount..... Date.....

Accommodation Required: YES / NO

Signature \_\_\_\_\_ Date \_\_\_\_\_

**Bank Details**

**Name** : Organizing Secretary, NSMWH - 2019

**A/c. No** : 38492200202

**Bank Name** : State Bank of India, BDU Branch,  
Tiruchirappalli- 620 024.

**IFSC Code** : SBIN0007014

### NATIONAL SEMINAR ON MICROBES IN WOMEN HEALTH

July 11-12, 2019

Organised by  
**DEPARTMENT OF MICROBIOLOGY  
BHARATHIDASAN UNIVERSITY  
TIRUCHIRAPPALLI - 620 024**  
&  
**TRICHY OBSTETRIC AND  
GYNECOLOGICAL SOCIETY (TRIOGS)**

### Bharathidasan University

Bharathidasan University established in February 1982, and was named after the great revolutionary Tamil Poet, Bharathidasan (1891-1964). The motto of the University "We will create a brave new world" has been from Bharathidasan's poetic words "முற்போக்கு உலகம் அமைப்போம்". The University is one among those recognized by the UGC for receiving grants as per section 12b of UGC act. It has been Re-accredited with "A" Grade by NAAC in 2019. The University has totally 4 Faculties, 16 Schools, 37 Departments and 29 Specialized Research Centres. There are 263 faculty members catering to 2564 students and scholars in the University. The University Departments/Schools are offering 151 programmes including 40 PG programmes in M.A., M.Sc. and M.Tech. The above programmes are conducted under the Choice Based Credit System (CBCS) in Semesters: 31 M.Phil., 33 Ph.D., 19 P.G. Diploma, 11 Diploma and 10 Certificates. The University's supporting staff strength is 457. In addition to the regular teaching programmes in the Departments and Schools, the University under its Distance Education mode is conducting 15 UG and 26 PG programmes.

### Department of Microbiology

The department emerged as a component of the School of Life Sciences in 1992 with Microbiology as one of the optional subjects in the five-year Integrated M.Sc. Life Sciences Program. An exclusive two year post graduate course on Microbiology was started during 1994. Now, 25 students are admitted every year on merit cum reservation basis and the course structure is so framed as to enable the students to continue in research or seek employment or become an entrepreneur. So far, more than 60 of them have joined Ph.D. programs and others are in employment in India and outside. Since June 2007, the present Department of Microbiology was delinked from NFMC into a separate full-fledged department and Full Time M.Phil course was started in the same year. Within a short span of time the Department had procured both basic and advanced instrumentation facilities from the UGC and other funding agencies for successfully running the M.Sc., M.Phil and Ph.D. programs. It is a pride and an additional feather to the cap of the university that in 2016, the DBT has again funded a major infrastructural facility called National Repository for Microalgae and Cyanobacteria (NRM-C) with a part replacing the NFMC for marine and the other part for the Department of Microbiology for freshwater Microalgae and Cyanobacteria. This is housed in a new and separate building fully equipped to maintain the germplasm and carry out basic as well as applied research on these organisms. The faculty of the Department is fully committed to provide high quality education at Post-graduate and Research levels and are

well recognized for their research contributions at National and International Levels. They have successfully competed and obtained research projects with grants totalling -Rs. 10 crores so far from various government funding agencies viz: DOD (MoES), DBT, DST, ICMR, CSIR, UGC, IPS and DNA. Recently the department has received UGC-Non SAP, DST-FIST and DST-PURSE funds for the establishment of state of art research equipment.

### Trichy obstetric and Gynaecological Society (TRIOGS)

Trichy Obstetric and gynaecological Society As established in 1992 and has been very active since its inception. It has more than 220 members who are in active practice at the "Rock town" Trichy and its suburbs. Since then the society is conducting continuing medical education, workshop, and seminars. It has conducted many national and zonal conferences. TRIOGS also participates in social activities and health care awareness for public of Trichy. Few members of TRIOGS are in limelight of FOGSI as its Vice President and Chairperson. It has received best society award at the national level and few members have received national awards for academics as well as social activities.

### About the Seminar

Women play an undeniable role in the health of future generations partly through the maternal microbes. The microbial inheritance that occurs pre-, peri-, and post-natal has been linked to various consequences for both mother and child. As more evidence accumulates, the relevance of this unique scientific conference in bridging the science with medical and industry communities becomes all the more essential. Communities of microbiota have been associated with numerous health outcomes and while much emphasis has been placed on the gastrointestinal niche, there is growing interest in the microbiome specific for female reproductive health and the health of their offsprings. The vaginal microbiome plays an essential role not only in health and dysbiosis, but also potentially in successful fertilization and healthy pregnancies. In addition, microbial communities have been isolated from formerly forbidden sterile niches such as the placenta, breast, uterus, and Fallopian tubes, strongly suggesting an additional microbial role in women's health. A combination of maternally linked prenatal, birth, and post-natal factors, together with environmental and medical interventions, influence early and later life through the microbiome. Here, we review the role of microbes in female health focusing on the vaginal tract and discuss how male and female reproductive microbiomes are intertwined with conception and how mother-child microbial transfer is a key determinant in infant and women health.

### Theme of Seminar

The theme of the NSMWH 2019 seminar will be "Microbiota Management in Pregnancy". It will open with a clinical half-day that focusing on practice-changing microbiome science. This seminar will cover the microbiome in women health, a full research day with top level academics and clinicians presenting their cutting edge science. Research will be presented in several formats: such as keynote lectures, plenary lectures, student presentations and panel discussions.

- Understanding and identifying more relevant biomarkers will be a step forward in diagnosing and treating dysbiosis in women's health.
- Vaginal microbiome of reproductive-age women.
- Cervicovaginal microbiomes threats and possibilities.
- Influence of probiotic vaginal lactobacilli on *in vitro* adhesion of urogenital pathogens to vaginal epithelial cells and microbes in reproductive tract.
- This NSMWH 2019 seminar discusses the vaccination, menstrual hygiene, bacterial, fungal, viral infections, pelvic inflammatory disease, anemia, nutrition in women. It also describes the role of microbes in female health focusing on the vaginal tract and discusses how male and female reproductive microbiomes are intertwined with conception and how mother-child microbial transfer is a key determinant in infant and women health.

### Participants

We invite women participants from under graduates, post graduates, Research scholars, and faculty members from all the discipline of College, University and Research institutions.

### Registration

Early bird registration (before 30<sup>th</sup> June 2019) and Registration fee includes seminar kit, lunch, and refreshments. Registration fee can be paid through demand draft as per the details given below.

Category	Till 30 <sup>th</sup> June 2019	Late or on Spot Registration
Students	Rs. 500	Rs. 600
Academics and scientists	Rs. 750	Rs. 850
Industry	Rs. 1000	Rs. 1200
Accompanying Person	Rs. 300	Rs. 400

**Registration fee is non-refundable**

Registration fees payable in the form of online transfer / DD in favor of Organizing Secretary, NSMWH-2019, State Bank of India, Bharathidasan University Branch, Tiruchirappalli- 620 024

### Accommodation

Accommodation will be arranged in the nearby hotels on request. The rooms will be allocated as per the requirements and according to the availability. Hotel charges have to be borne by the participants. For students, hostel accommodation can be arranged as per availability with nominal charges.

# Seminar Brochure

## **RIOGS (TRICHY OBSTETRIC AND GYNAECOLOGICAL SOCIETY)**

The Federation of obstetric and Gynaecological Societies of India (FOGSI) is the professional organization representing practitioners of obstetrics and gynaecology in India. FOGSI exists to encourage and disseminate knowledge, education and research in the field of Obstetrics and Gynaecology, to pilot and promote preventive and therapeutic services related to the practice of Obstetrics and Gynaecology for betterment of the health of women and children in particular.

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### **About the Seminar**

Women play an undeniable role in the health of future generations partly through the maternal microbes. The microbial inheritance that occurs pre-, peri-, and post-natal has been linked to various consequences for both mother and child. As more evidence accumulates, the relevance of this unique scientific conference in bridging the science with medical and industry communities becomes all the more essential.

A community of microbiota has been associated with numerous health outcomes and while much emphasis has been placed on the gastrointestinal niche, there is growing interest in the microbiome specific for female reproductive health and the health of their offsprings. The vaginal microbiome plays an essential role not only in health and dysbiosis, but also potentially in successful fertilization and healthy pregnancies. In addition, microbial communities have been isolated from formerly forbidden sterile niches such as the placenta, breast, uterus, and Fallopian tubes, strongly suggesting an additional microbial role in women's health. A combination of maternally linked prenatal, birth, and post-natal factors, together with environmental and medical interventions, influence early and later life through the microbiome. Here, we review the role of microbes in female health focusing on the vaginal tract and discuss

how male and female reproductive microbiomes are intertwined with conception and how mother-child microbial transfer is a key determinant in infant health, and thus the next generation.

### **Theme of Seminar**

The theme of the NSMWH 2019 seminar will be “Microbiota Management in Pregnancy”. It will open with a clinical half-day that focusing on practice-changing microbiome science. This seminar will cover the microbiome in women health, a full research day with top level academics and clinicians presenting their cutting edge science. Research will be presented in several formats such as keynote lectures, plenary lectures, student presentations and panel discussions.

- Understanding and identifying more relevant biomarkers will be a step forward in diagnosing and treating dysbiosis in women’s health.
- Vaginal microbiome of reproductive-age women.
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- Influence of probiotic vaginal lactobacilli on *in vitro* adhesion of urogenital pathogens to vaginal epithelial cells and microbes in reproductive tract.
- This NSMWH 2019 seminar discusses the vaccination, menstrual hygiene, bacterial, fungal, viral infections, pelvic inflammatory disease, anemia, nutrition in women. It also describes the role of microbes in female health focusing on the vaginal tract and discusses how male and female reproductive microbiomes are intertwined with conception and how mother-child microbial transfer is a key determinant in infant and women health.

### **Participants**

Totally 293 participants are participated in National Seminar. The participants from under graduates, post graduates, Research scholars, and faculty members from different discipline of College, University and Research institutions.



## Registration



## Registration and Reception

### Organizing Committees

<b>Patron</b>	<b>Prof. P. Manisankar</b> , Hon'ble Vice Chancellor Bharathidasan University
<b>President</b>	<b>Prof. G. Gopinath</b> , Registrar Bharathidasan University
<b>Convener</b>	<b>Dr. T. Ramani Devi MD, DGO</b> Vice President South Zone elect, FOGSI 2020 Consultant, Ramakrishna Medical Centre, Trichy

**Organizing  
Chairman**

**Prof. N.THAJUDDIN**

Professor and Head

Department of Microbiology, Bharathidasan University

Tiruchirappalli – 620 024, Mobile: 9842379719

Email: [nthaju2002@yahoo.com](mailto:nthaju2002@yahoo.com)

**Dr. S. CHITRA MD, DGO**

President

Trichy Obstetric and Gynecological Society (TRIOGS)

Lalitha Nursing Home, Trichy

**Organizing  
Secretaries**

**Dr. D.DHANASEKARAN**

Assistant Professor

Department of Microbiology

Bharathidasan University, Tiruchirappalli – 620 024

**Dr. PUNITHA RAJESH MD (OG)**

Secretary

Trichy Obstetric and Gynecological Society (TRIOGS)

Sree Devi Hospital, Srirangam

**Dr. N.PUSHPA**

Associate Professor

Department of Microbiology

Cauvery College for Women, Tiruchirappalli- 620 018

Mobile: 9345774391, Email: [tpushpa11@gmail.com](mailto:tpushpa11@gmail.com)

**Members**

**Dr. V. RAJESH KANNAN,**

Associate Professor, Department of Microbiology

**Dr. G. MURALIDARAN**

Assistant Professor, Department of Microbiology

**Dr. P.THIYAGARAJAN,**

Assistant Professor, Department of Microbiology

**Dr. C. NITHIYA**

DST-INSPIRE Faculty, Department of Microbiology





## INVITATION

### NATIONAL SEMINAR ON “MICROBES IN WOMEN HEALTH” (NSMWH - 2019)

*Sponsored by*

International Society for Microbial Ecology (ISME), The Netherlands

Date : 11-12<sup>th</sup> July 2019

Venue : AC Auditorium, Bharathidasan University

To

#### **ORGANIZED BY**

Department of Microbiology

Bharathidasan University, Tiruchirappalli - 620 024

#### **IN COLLABORATION WITH**

Trichy Obstetric and Gynaecological Society (TRIOGS),

Tamil Nadu, India

## Invitation cover page



## **NATIONAL SEMINAR ON MICROBES IN WOMEN HEALTH JULY 11-12, 2019**

Organized by

### **Department of Microbiology**

**Bharathidasan University, Tiruchirappalli - 620 024**

In Collaboration with

**Trichy Obstetric and Gynaecological Society (TRIOGS)**

Tamil Nadu, India

### **INVITATION**

Cordially invite you for the Inaugural function of the *ISME* sponsored  
**NSMWH-2019** to be held on **11<sup>th</sup> July 2019, 10.30 a.m.**

Venue: **AC Auditorium, Bharathidasan University  
Palkalaiperur, Tiruchirappalli**

### **Welcome Address**

**Dr. V. Rajesh kannan**

Associate Professor and Head, Department of Microbiology  
Bharathidasan University, Tiruchirappalli

### **About the Seminar**

**Dr. T. Ramani Devi, MD., DGO., Convenor**

Vice President

South Zone elect, FOGSI 2020

### **Presidential & Inaugural Address**

**Prof. P. Manisankar**

Hon'ble Vice Chancellor

Bharathidasan University, Tiruchirappalli

### **Felicitation**

**Prof. Dr. N. Thajuddin, Organizing Chairman**

Professor

Department of Microbiology, Bharathidasan University, Tiruchirappalli

**Dr. Mrs. V. Sujatha**

Principal

Cauvery College for Women(Autonomous), Tiruchirappalli

**Dr. S. Chitra, MD., DGO President**

Trichy Obstetric and Gynaecological Society (TRIOGS)

### **Vote of Thanks**

**Dr. D. Dhanasekaran, Organizing Secretary**

Department of Microbiology, Bharathidasan University, Tiruchirappalli

# **Invitations**



## **NATIONAL SEMINAR ON MICROBES IN WOMEN HEALTH JULY 11-12, 2019**

### **Organized by**

**Department of Microbiology**  
**Bharathidasan University, Tiruchirappalli - 620 024**  
In Collaboration with  
**Trichy Obstetric and Gynaecological Society (TRIOGS)**  
Tamil Nadu, India

### **INVITATION**

Cordially invite you for the Valediction of the ISME sponsored  
**NSMWH-2019** to be held on **12<sup>th</sup> July 2019, 4.00 p.m.**  
Venue: **AC Auditorium, Bharathidasan University**  
**Palkalaiperur, Tiruchirappalli**

### **Welcome Address**

**Prof. Dr. N. Thajuddin**, Organizing Chairman  
Professor, Department of Microbiology, Bharathidasan University

### **Seminar Report**

**Dr. D. Dhanasekaran**, Organizing Secretary  
Department of Microbiology, Bharathidasan University

### **Presidential Address**

**Prof. E. Ramganesh**  
Director  
Institute of Entrepreneurship and Career Development (IECD)  
Bharathidasan University, Khajamalai Campus  
Tiruchirappalli - 620 023

### **Felicitation**

**Dr. T. Ramani Devi**, MD., DGO., Convenor  
Vice President  
South Zone elect, FOGSI 2020  
**Dr. Punitha Rajesh**  
Secretary, Trichy Obstetric and Gynaecological Society (TRIOGS)

### **Valedictory Address**

**Prof. G. Subramanian**  
Founder Director, National Facility for Marine Cyanobacteria  
Former Head, Department of Microbiology  
Bharathidasan University, Tiruchirappalli

### **Vote of Thanks**

**Dr. N. Pushpa**, Organizing Secretary  
Associate Professor, Department of Microbiology  
Cauvery College for Women (Autonomous), Tiruchirappalli- 620 018

# **Invitations**



# Programme Schedule

**July 11, 2019, Thursday**

09.00 am	:Registration at AC Auditorium, Bharathidasan University
10.30 a.m.	: <b>Inauguration</b>
Venue	<b>AC Auditorium, Bharathidasan University</b>
Welcome Address	: <b>Dr. V. Rajesh Kannan</b> Associate Professor and Head, Department of Microbiology Bharathidasan University, Tiruchirappalli
About the Seminar	: <b>Dr. T. Ramani Devi</b> , MD., DGO., Convenor Vice President South Zone elect, FOGSI 2020
Presidential and Inaugural Address	: <b>Prof. P. Manisankar</b> , Hon'ble Vice Chancellor, Bharathidasan University, Tiruchirappalli
Felicitation	<b>Prof. Dr. N. Thajuddin</b> , Organizing Chairman, Professor, Department of Microbiology, Bharathidasan University Tiruchirappalli  <b>Dr. Mrs. V. Sujatha</b> Principal, Cauvery College for Women (Autonomous), Tiruchirappalli  : <b>Dr. S. Chitra</b> , MD., DGO President, Trichy Obstetric and Gynecological Society (TRIOGS)
Vote of Thanks	: <b>Dr. D. Dhanasekaran</b> , Organizing Secretary Assistant Professor, Department of Microbiology, Bharathidasan University, Tiruchirappalli <b>SESSION – I</b>
Chairperson	: Dr. A. Panneerselvam, Associate Professor (former), Department of Botany and Microbiology, AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur
Co-Chairperson	: Dr. V. Ambikapathy, Associate Professor, Dept. of Botany and Microbiology, A.V.V.M Sri Pushpam College (Autonomous), Poondi, Thanjavur
11.30-12.0 Noon	: Plenary Lecture - 1: Dr. S. Chitra MD.,DGO President, Trichy O & G Society Consultant, Lalitha Nursing Home, Tiruchirappalli Topic: Pre conceptional Counseling and Vaccination
12.00-12.30 noon	: Plenary Lecture – 2: Dr. T. Ramani Devi MD.,DGO Vice President

		South Zone elect, FOGSI 2020 Consultant, Ramakrishna Medical Centre LLP, Tiruchirappalli Topic: Pelvic Inflammatory Disease
12.30-1.00 p.m.	:	Plenary Lecture – 3: Dr. Punitha Rajesh MD (OG) Secretary, Trichy O & G Society Sree Devi Hospital, Srirangam Topic: Vaccination in Women
1.00-2.00 p.m	:	Lunch
		<b>SESSION – II</b>
Chairperson	:	Dr. G. Archunan, UGC-BSR Faculty Fellow, Department of Animal Science, Bharathidasan University
Co-Chairperson	:	Dr. M. Muthuselvam. Assistant Professor Department of Biotechnology, Bharathidasan University
2.00-2.30 p.m.	:	Plenary Lecture – 4: Dr. S. Lakshmi Praba MBBS, DGO Rana Hospital, Tiruchirappalli Topic: Viral Infection during Pregnancy
2.30-3.00 p.m	:	Plenary Lecture – 5: Dr. R. Mahalakshmi MD (OG) Consultant, Jeyam Nursing Home, Tiruchirappalli Topic: Fungal Infection in Women
3.30 p.m.	:	Tea and Poster presentation

### SESSION – III

<b>Chairperson</b>	:	<b>Dr. S. Achiraman</b> , Associate Professor Department of Environmental Biotechnology, Bharathidasan University, Tiruchirappalli
<b>Co-Chairperson</b>	:	<b>Dr. G. Kanimozhi</b> , Department of Botany and Microbiology, AVVM Sri Pushpam College (Autonomous), Poondi, Thanjavur
3.45-4.15 p.m.	:	Plenary Lecture – 6: <b>Dr. R. Abirami Karpagam</b> , MD Consultant, Meenakshi Multi Specialty Hospital, Pudukottai <b>Topic: Rubella and Pregnancy</b>
4.15-4.45 p.m.	:	Plenary Lecture – 7: <b>Dr. M. Suresh</b> Department of Biology, College of Science, Al-Zulfi-, Majmaah University, Majmaah- 11952, Riyadh, Kingdom of Saudi Arabia <b>Topic: Endometrial Tuberculosis and Female Infertility</b>

**July 12, 2019, Friday**

### SESSION – IV

<b>Chairperson</b>	:	<b>Dr. G. Muralitharan</b> , Assistant Professor, Department of Microbiology, Bharathidasan University, Tiruchirappalli
<b>Co-Chairperson</b>	:	<b>Dr. R. Krishnaveni</b> , Department of Microbiology, Idaya College

for Women, Kumbakonam

- 10.30-11.00 a.m : Plenary Lecture – 8: **Dr. C. Anchana Devi**  
Assistant Professor,  
Department of Biotechnology,  
Women's Christian College, Chennai  
**Topic: Microbial Diversity in Reproductive Health**
- 11.00-11.30 a.m. : Plenary Lecture – 9: **Dr. Kavitha Senthil MD (OG)**  
Pankajam Nursing Home, Srirangam  
**Topic: Menstrual Hygiene**
- 11.30 a.m. : Tea

#### SESSION – V

- Chairperson** : **Dr. A. Antony Joseph Velanganni**  
Department of Biochemistry, Bharathidasan university, Tiruchirappalli
- Co-Chairperson** : **Dr. P. Shanthi**, Assistant Professor, Holycross College, Tiruchirappalli

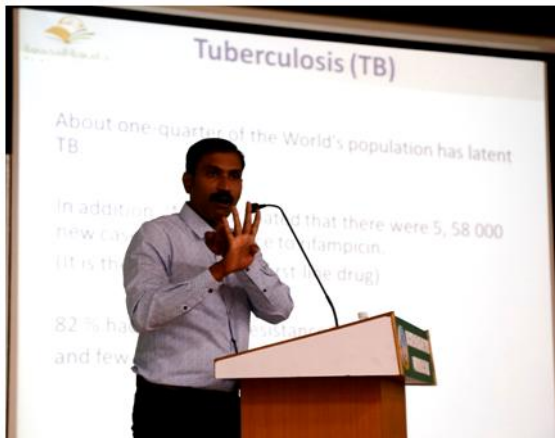
- 4.00 PM : **Valediction**  
Venue **AC Auditorium, Bharathidasan University**
- Welcome Address : **Dr. N. Thajuddin**, Organizing Chairman,  
Professor, Department of Microbiology,  
Bharathidasan University, Tiruchirappalli
- Seminar Report **Dr. D. Dhanasekaran**, Organizing Secretary  
Assistant Professor, Department of Microbiology,  
Bharathidasan University, Tiruchirappalli
- Presidential Address **Prof. E. Ramganes**,  
**Director**, Institute of Entrepreneurship and Career Development  
(IECD), Bharathidasan University  
Khajamalai Campus, Tiruchirappalli - 620 023
- Felicitation **Dr. T. Ramani Devi**, MD., DGO., Convenor  
Vice President  
South Zone elect, FOGSI 2020  
: **Dr. Punitha Rajesh**,  
Secretary, Trichy Obstetric and Gynecological Society (TRIOGS)



Valedictory Address	: <b>Prof. G. Subramanian,</b> Founder Director, National Facility for Marine Cyanaobacteria Former Head, Department of Microbiology, Bharathidasan University, Tiruchirappalli
Vote of Thanks	: <b>Dr. N. Pushpa, Organizing Secretary</b>  Associate Professor, Department of Microbiology Cauvery College for Women, Tiruchirappalli- 620 018
<b>National Anthem</b>	



**Seminar banner**

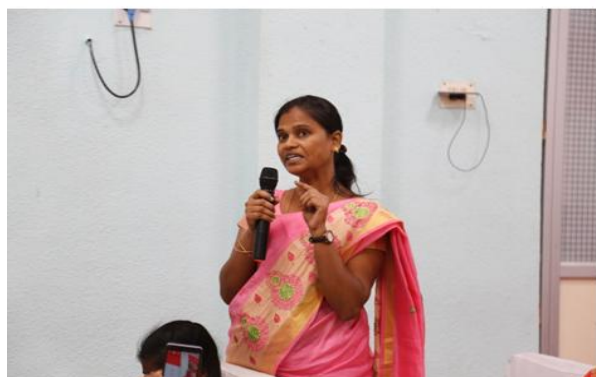


# **Lectures on Microbes in Womens Health**





## Lectures on Microbes in Womens Health



## Interactions during the Lectures



## Interactions during the Lectures



## Gathering during the Lectures





**Participants are Interested to Interacted during Yoga Lecture**



**Participants are discussing during Lunch**



# Special Lectures on Microbial Ecology





**Prof. G. Subramanian.** Founder Director, National Facility for Marine Cyanobacteria, Former Head, Department of Microbiology, Bharathidasan University, Tiruchirappalli. He narrated microbiome of vaginal fluid and their significance in women health. He explains vaginal fluid microbial population contains  $10^{-6}$  bacteria in health women. The vaginal microbiome is a specific compartment of the human microbiome. Unique conditions of the vagina are characterized by a few microbial species, usually lactobacilli, which are able to utilize glycogen, which is under control of estrogens. Lactobacilli and other fermentative bacteria together with vaginal epithelial cells produce lactic acid and are responsible for acidifying vaginal milieu. Lactic acid occurs in two isomeric forms, and their relative ratio is likely to give the vaginal microbiota a certain degree of stability and ability to withstand some infections. This microbiota is manifested by a low degree of diversity and by the high dynamics of changes of its composition under the influence of various exogenous and endogenous factors. Increase in diversity can be paradoxically associated with a dysbiosis such as bacterial vaginosis. Individual species of lactobacilli mainly *Lactobacillus crispatus* characterize the main community state types in the vagina. Apart from lactobacilli, healthy women may be colonized with a non-lactobacillary microbiota whose rate is dependent on ethnicity. **Dr. C. Anchana Devi** delivered lecture on microbiome analysis in healthy and diseased individual. She also narrated the importance of microbiome analysis from the metagenomic sequence and microbiome variations, distribution in reproductive system.



### Participants Discussions during Lunch Time



## Poster session interactions



## Participants Feedbacks





**Group Photos for Remembers**





**Certificates copy**

# Seminar Valedictorian

Valedictory function on second day was held at 4.00 pm. The programme started **Prof. N. Thajuddin**, Organizing Chairman delivered the welcome address and **Dr. D. Dhanasekaran**, Organizing secretary delivered the seminar report. **Prof. E. Mamganes**, Director IECD, BDU delivered the presidential address. **Dr. T. Ramani Devi**, Convenor delivered the Felicitation address. In the valedictory session **Prof. G. Subramanian**, Founder Director, National Facility for MarineCyanobacteria, Former Head, Department of Microbiology, Bharathidasan University, Tiruchirappalli appreciated the organizing committee for conducting such intellectual programme for the benefit of young faculty, scholars and students and also congratulated the participants. He narrated microbiome of vaginal fluid and their significance in women health. **Dr. N. Pushpa**, Organizing secretary delivered the vote of thanks followed by **National Anthem**. After the valedictory function, participants were distributed with their participation certificates.



## Valedictorian





## Valedictorian

### சுகாதாரத்தில் நுண்ணுயிரிகள் நாளை தேசிய கருத்தரங்கம்

திருச்சி, ஜூலை 10-

திருச்சி பாரதிதாசன் பல்கலைக்கழகத்தின் மைக்ரோபயாலஜி துறை மற்றும் திருச்சி மகப்பேறு மற்றும் மகளிர் மருத்துவர்கள் சங்கம் சார்பில், பெண் சுகாதாரத்தில் நுண்ணுயிரிகள் என்ற தலைப்பிலான தேசிய கருத்தரங்கம் பல்கலைக்கழக வளாகத்தில் நாளை (11ம் தேதி) தொடங்கி 2 நாட்கள் நடக்கிறது. நாளை காலை 10.30 மணிக்கு, பாரதிதாசன் பல்கலைக்கழக துணைவேந்தர் மணிசங்கர் கருத்தரங்கை தொடங்கி வைக்கிறார். மைக்ரோ பயாலஜி துறைத்தலைவர் ராஜேஷ் கண்ணன் வரவேற்கிறார். மகப்பேறு மற்றும் மகளிர் மருத்துவர்கள் சங்க கூட்டமைப்பின் தென் மண்டல துணைத்தலைவர் (தேர்வு) டாக்டர் ரமணி தேவி, திட்ட விளக்க உரையாற்றுகிறார். கருத்தரங்கில், மகப்பேறு மருத்துவர் சங்க திருச்சி கிளைத்தலைவர் டாக்டர் சித்ரா, காவேரி கல்லூரி முதல்வர் சுஜாதா, அமைப்புத்தலைவர்தாஜுதின் உள்ளிட்டோர் பேசுகின்றனர். கருத்தரங்கில், துறை சார்ந்த முக்கிய பிரமுகர்கள் பலர் பேசுகின்றனர். பேராசிரியர்கள், மாணவ, மாணவிகள் ஆராய்ச்சி கட்டுரைகள் சமர்ப்பிக்கின்றனர். 12ம் தேதி மாலை 4 மணிக்கு நிறைவு விழா நடக்கிறது.



திருச்சி : பாரதிதாசன் பல்கலைக்கழகத்தில் பெண்கள் உடல் நலத்தில் நுண்ணுயிரிகளை பங்கு பற்றிய கருத்தரங்கம் நடந்தது.

### பெண்கள் உடல்நல தேசிய கருத்தரங்கம்

திருச்சி: திருச்சி பாரதிதாசன் பல்கலைக்கழகத்தின் மைக்ரோபயாலஜி துறை மற்றும் திருச்சி மகளிர் மருத்துவர்கள் சங்கம் சார்பில், பெண் உடல்நலத்தில் நுண்ணுயிரிகள் என்ற தலைப்பிலான தேசிய கருத்தரங்கம் பல்கலைக்கழக வளாகத்தில் நாளை (11ம் தேதி) தொடங்கி 2 நாட்கள் நடக்கிறது. நாளை காலை 10.30 மணிக்கு, பாரதிதாசன் பல்கலைக்கழக துணைவேந்தர் மணிசங்கர் கருத்தரங்கை தொடங்கி வைக்கிறார். மைக்ரோ பயாலஜி துறைத்தலைவர் ராஜேஷ் கண்ணன் வரவேற்கிறார். மகப்பேறு மற்றும் மகளிர் மருத்துவர்கள் சங்க கூட்டமைப்பின் தென் மண்டல துணைத்தலைவர் (தேர்வு) டாக்டர் ரமணி தேவி, திட்ட விளக்க உரையாற்றுகிறார். கருத்தரங்கில், மகப்பேறு மருத்துவர் சங்க திருச்சி கிளைத்தலைவர் டாக்டர் சித்ரா, காவேரி கல்லூரி முதல்வர் சுஜாதா, அமைப்புத்தலைவர்தாஜுதின் உள்ளிட்டோர் பேசுகின்றனர். கருத்தரங்கில், துறை சார்ந்த முக்கிய பிரமுகர்கள் பலர் பேசுகின்றனர். பேராசிரியர்கள், மாணவ, மாணவிகள் ஆராய்ச்சி கட்டுரைகள் சமர்ப்பிக்கின்றனர். 12ம் தேதி மாலை 4 மணிக்கு நிறைவு விழா நடக்கிறது.

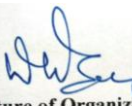
## News paper clips

## ISME seminar grant Utilization

The ISME sponsored funds **EURO 1000/-** is utilized for the travel and other expenses was used in part to support Early Career Scientists in India.

### Statement of expenditure

<b>Cost Specification:</b>			
<b>Item:</b>	<b>Date(s):</b>	<b>Currency:</b>	<b>Amount(s): EURO</b>
Flight(s) - economy fare			0
Taxi(s)	11.07.2019 and 12.07.2019	Indian Rupee (INR)	4800
Public Transport			0
Other (please describe)- Momento	09.07.2019	Indian Rupee (INR)	14,600
Honorarium for speaker	11.07.2019 and 12.07.2019	Indian Rupee (INR)	18,000
Seminar Kits	08.07.2019	Indian Rupee (INR)	16,944
Refreshment	12-07-19	Indian Rupee (INR)	19,050
Printing charges for seminar Brouchere, Invitation and certificates	09.07.2019	Indian Rupee (INR)	13,412
Total amount of declaration		Indian Rupee (INR)	86806
<b>Total amount in EURO</b>		<b>Euro</b>	<b>1,094.33</b>

  
Signature of Organizing Secretary  
**Dr. D. DHANASEKARAN**  
Organizing Secretary, NSMWH-2019  
National Seminar on Microbes in Women Health