

## Report of the Research Committee for the academic year 2021- 2022

The Research Committee comprises of the research and development cell and the Journal club of the college. The main purpose of this club is to introduce faculty members and interested students to the world of scientific publications and to familiarize them with world class journals.

This year the research committee conducted an International Webinar Series Vykhari in which 17 international lectures were conducted by eminent academicians from various disciplines.

**Bishop Chulaparambil Memorial College**  
Kottayam, India  
Website : <https://bcmcollege.ac.in/>



**VYKHARI**  
**International Lecture Series - 2021**  
September 15 - October 1 , 2021  
organized by  
Internal Quality Assurance Cell (IQAC) & Research Cell  
BISHOP CHULAPARAMBIL MEMORIAL COLLEGE

INAUGURATION  
BY  
PROF. DR. SABU THOMAS  
HONOURABLE VICE CHANCELLOR  
MAHATMA GANDHI UNIVERSITY, KOTTAYAM



ON 14TH SEPTEMBER, 2021 AT 11.00 A.M.

**About VYKHARI Lecture Series**

VYKHARI - dissemination of knowledge through words : Annual Lecture Series of Bishop Chulaparambil Memorial College started with the Diamond Jubilee of the College in 2015.

**Platform : ZOOM**

**Contact : 9446448215 , 9946883347**  
Email : [ipevarughese2020@gmail.com](mailto:ipevarughese2020@gmail.com)

## Invited Lectures : Week 1

**Lecture in Commerce : September 15 - 10.30 a.m. to 11.30 a.m.**

**Title :** Startups in India.

**Dr. Najeeb Bin Haneef**, Founder and CEO of Zaara Biotech.

**Lecture in Economics : September 15 - 02.30 p.m. to 03.30 p.m.**

**Title :** Anthropology and Other Social Sciences.

**Dr. Jayaseelan Raj**, Assistant Professor CDS and Fellow GRNPP, SOAS, University of London.

**Lecture in Chemistry : September 16 - 02.30 p.m. to 03.30 p.m.**

**Title :** New Generation Catalysts for Water Splitting.

**Dr. Prashanth Wilfred Menezes**, Research Associate at Technical University, Berlin, Germany.

**Lecture in Commerce : September 18 - 09.30 a.m. to 10.30 a.m.**

**Title :** Safe and Healthy Overseas Education.

**Dr. Jomis John**, Professor, Confederation College Ontario, Canada.

**Lecture in Botany : September 20 - 11.00 a.m. to 12.00 noon**

**Title :** All you want to know about Start-up in Life Sciences.

**Dr. Sunnichen V. G.**, Start - up Ambassador, Amal Jyothi College, Kanjirappally.

**Lecture in Zoology : September 20 - 03.00 p.m. to 04.00 p.m.**

**Title :** Sowing New Grains for the Future: An Ethiopian Tiny Grain Tef.

**Dr. Aishwarya G.**, Madam Curie Post Doctoral Fellow, IBERS - Prifysgol Aberystwyth University, UK.

**Lecture in Computer Science : September 21 - 05.30 p.m. to 06.30 p.m.**

**Title :** Career Prospectives through Red Hat Technologies.

**Mr. Ramesh Padmanabhan**, Director, Red Hat GLS India & SAARC.

## Invited Lectures : Week 2

**Lecture in English : September 22 - 10.30 a.m. to 11.30 a.m.**

**Title :** Challenges of Diaspora Identities

**Dr. Anjana Warren**, Mahidol University, Thailand.

**Lecture in Hindi : September 23 - 11.00 a.m. to 12.00 noon**

**Title :** हिन्दी सिनेगीतों की संवेदना और सरोकार

**Dr. Sanjeev Kumar Dubey**, Dean, School of Language, Literature and Culture Studies, Central University of Gujarat, Gandhinagar.

**Lecture in Malayalam : September 23 - 04.00 p.m. to 05.00 p.m.**

**Title :** Music - Sustainable Tool for Emotional Equilibrium.

**Dr. Sanjana Sudheer**, Music Artist & Assistant Professor, Music Department, Govt. Women's College, Thiruvananthapuram.

**Lecture in Food Science : September 24 - 11.00 a.m. to 12.00 noon**

**Title :** Safe Food Handling Practices and Hygiene Management.

**Ms. Neethu Pradeep**, Food Safety and Hygiene Supervisor, Capital Club, Dubai, U.A.E.

**Lecture in Social Work : September 25 - 2.00 p.m. to 3.00 p.m.**

**Title :** Experiences of Participatory Approach for Community Development.

**Ms. Kefilwe Dithlake**, University of Johnsburg, South Africa.

**Lecture in Sociology : September 27 - 11.00 a.m. to 12.30 p.m.**

**Title :** Gendered Colourism and Casten in Malayalam Movies.

**Ms. Uthara Geetha** : Erasmus Mundus Scholar, University of York & University of Oviedo.

**Lecture in Statistics : September 28 - 9.30 a.m. to 10.30 a.m.**

**Title :** Transmuted Exponentiated Frechet Distribution - Models and Applications.

**Dr. Vincent Raja**, Senior Lecturer, Department of Mathematics, Physics and Statistics Faculty of Natural Sciences, University of Guyana, Georgetown, Guyana, South America.

## Invited Lectures : Week 3

### Lecture in History : September 29 - 11.00 a.m. to 12.00 noon

**Title :** The History of India's Space Programmes : From Nehruvian Period to the Current Time.

**Dr. Girish Kumar R.**, Professor and Director, Department of Political Science, V. K. Krishnan Menon Centre for International Relations.

### Lecture in Physics : September 29 - 03.30 p.m. to 04.30 p.m.

**Title :** Building an Adaptive Optics Enhanced, STED Microscope for Nanodiamonds.

**Dr. Graeme Johnstone**, Research Associate, University of Strathclyde, Glasgow, UK.

### Lecture in Family and Community Science : September 30 - 03.00 p.m. to 04.00 p.m.

**Title :** Nanotechnology for Future Energy Challenge (Based on Resource Management).

**Dr. Nygil Thomas** : Assistant Professor and Research Guide, Nirmalagiri College, Kannur.

### Lecture in Mathematics : October 01 - 11.00 a.m. to 12.00 noon

**Title :** Laplacian Matrices and their Applications.

**Dr. Rajesh Kannan**, Assistant Professor in Mathematics, IIT Kharagpur.

### ORGANIZING COMMITTEE

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#### **Rev. Fr. Alex Akkaparambil**

Manager

Bishop Chulaparambil Memorial College

#### ORGANIZING COMMITTEE CHAIRMAN

#### **Dr. Stephy Thomas**

Principal

Bishop Chulaparambil Memorial College

#### CONVENOR

#### **Dr. Ipe Varghese**

Associate Professor & Head

Department of Social Work

Bishop Chulaparambil Memorial College



### ORGANIZING COMMITTEE MEMBERS

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Department of Chemistry

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Department of English

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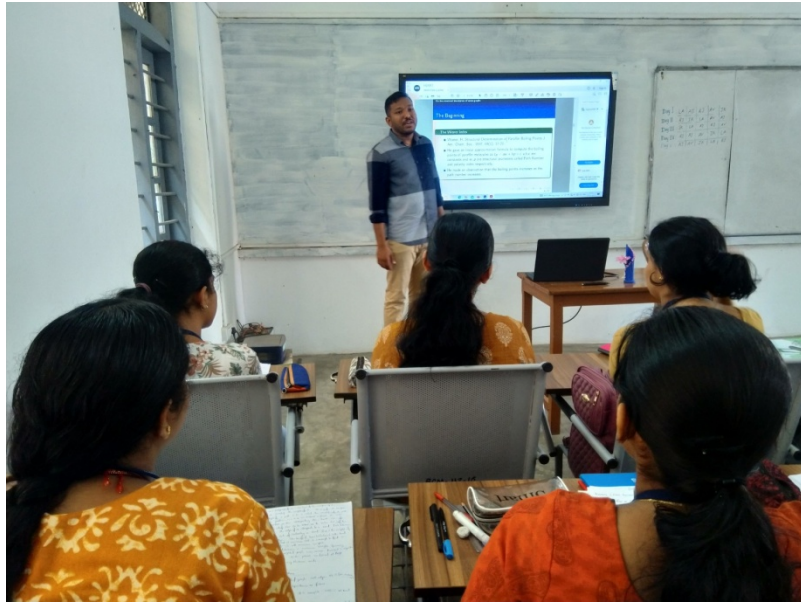
Every month the Research Committee arrange talks by experts on specific relevant topics and there will be a question answer session so that everyone gets a chance to clear their queries from the expert itself. The Research Committee have conducted 4 sessions in this academic year. The details of the expert sessions conducted by the Research Committee are as follows:

Date	Name	Department	Title
13 <sup>th</sup> July 2021 Online	Ms. Alphonsa Kurian	Sociology	A Case Study of Latin Women Empowerment in Fishing Community
17 <sup>th</sup> August Online	Dr. Anu Varghese	Mathematics	Split Graphs with Four Distinct Eigenvalues
7 <sup>th</sup> September	Mr. Liju Alex	Statistics	On the R-index of some Graphs
12 <sup>th</sup> October	Ms. Jaisy Joy	Chemistry	Photo Catalysis using Quantum Dots



Presentation by Ms. Alphonsa Kurian





Presentation by Mr. Liju Alex

The research committee also played a significant role to promote the research culture among the faculty members.

Dr. Ipe Varghese