

## RESOURCE TEAM

Biju Dharmapalan, Head, School of Biosciences, MACFAST  
Sini Kuriem, Assistant Professor, School of Biosciences, MACFAST  
Treesa Varghese, Ph.D., Assistant Professor, School of Biosciences, MACFAST  
Shilpa Lekshmi L., Ph.D., Assistant Professor, School of Biosciences, MACFAST

## TECHNICAL SUPPORT

Ajay Kuriem, Asst. Coordinator, IQAC, MACFAST  
Thomas Mathew, Assistant Professor, Dept. of Computer Applications, MACFAST  
Roshin Philip, System Administrator, MACFAST  
Pavin Raj Thadathil, Assistant Professor, Dept. of Computer Applications, MACFAST

## REGISTRATION DETAILS

- ◆ Fees for the programme Rs. 500 (Non-Refundable)
- ◆ Payment can be made through UPI/NEFT to the below mentioned account.

Account holder: Mar Athanasios College For Advanced Studies Thiruvalla (MACFAST)

Account Number: 0079053000018055

Name of Bank: South Indian Bank

Branch: Thiruvalla

IFSC: SIBL0000079

MICR: 689059004

For registration, click on the link or scan the QR code given below:

<https://forms.gle/bGUnB9sEZnWfJykw9>

For further queries, please mail us at: [jenny@macfast.org](mailto:jenny@macfast.org)  
or contact Dr. Jenny Jacob (Programme Coordinator) : 8075567847

📍 Mar Athanasios College For Advanced Studies  
(MACFAST)  
Thiruvalla, Pathanamthitta,  
Kerala,  
India. Pin-689 101



The Kerala State  
Higher Education Council

Online Faculty Development  
Programme on  
“Creating and Managing  
Online Classes”

From  
17<sup>th</sup> to 26<sup>th</sup> June 2020



Organized By  
School of Biosciences  
&  
Internal Quality Assurance Cell

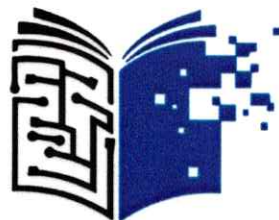
Mar Athanasios  
College For Advanced Studies  
(MACFAST) Thiruvalla  
Accredited by NAAC with 'A' Grade and  
Recognized by DSIR, Govt. of India



Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) is a premier post graduate research institute, established in 2001 with the objective of offering the best courses in Business Management, Information Technology and Biosciences to mould eminent professionals over the years to confront the challenging demands of the corporate world and the world of science & technology. MACFAST is affiliated to the Mahatma Gandhi University, Kottayam, and approved by the All India Council for Technical Education (AICTE), New Delhi. MACFAST is owned and managed by the Corporate Educational Agency of the Catholic Archdiocese of Tiruvalla, with His Grace Dr. Thomas Mar Koorilos as the President and Patron. Within a very short span of its existence, MACFAST has emerged as a trendsetter in education and has turned in to a benchmark for others to emulate with its unparalleled hallmark of academic brilliance and social commitment. The college is located in Tiruvalla, an active commercial township in the central Travancore region of Kerala. The two adjacent campuses together brings an idyllic character in shape and the atmosphere around pitches an ambience of solitude, of course, inevitable for intellectual pursuance. Amidst the lush green, stands this multi-storeyed building with a built-up area of 3,00,000 sq. ft.

## ABOUT THE PROGRAMME

**The School of Biosciences**, Mar Athanasios College for Advanced Studies Tiruvalla (MACFAST) is pleased to announce the Faculty Development Programme on **"Creating and Managing Online Classes"**. The FDP seeks to address the specific topic of the online class initiative adopted by the Government of India. Faculty all around the world particularly in India are struggling to understand and take up the huge challenge to resume the educational needs of their students through the internet. The FDP will allow you to be confident in creating and managing your online classes without having to struggle. It is a self-paced course of 10 days with hands on sessions and assignments to be completed. The participants have to complete the course with the assignments before the course deadline finishes. The technical sessions are handled by faculty from School of Bioscience. The FDP would be inaugurated by **Prof. Dr. Rajan Varughese, Member Secretary, The Kerala State Higher Education Council.** All Faculty members, academicians and educationalists are cordially welcome to attend the FDP.



## ELIGIBILITY

- FDP is open to all faculty members of colleges, schools and PhD research scholars.
- The FDP has an academic interdisciplinary approach and all academicians interested to use ICT in education can apply.
- All participants are requested to register online on or before 15th June 2020.
- Registration for all participants is mandatory.
- Number of participants is limited to 50 per batch and you are requested to apply early.

## PREREQUISITES

- Laptop/desktop with good internet connectivity
- Basic knowledge in using computer and internet

## MAJOR SESSIONS

Hands on Workshop on:

- ◆ Online courses (MOOC) and ICT in Education
- ◆ Google Classrooms and other apps in G-Suite
- ◆ Creating a website through Google Sites
- ◆ Video Conferencing tools
- ◆ Creating E-Contents
- ◆ Video Editing and Uploading
- ◆ Charts, Diagrams, Concept Visualization and Animation
- ◆ Academic integrity and Creative Commons licensing

**Fr. Dr. Cherian J. Kottayil**

Principal, MACFAST

**Prof. Varughese Abraham**

IQAC Co-ordinator, MACFAST

**Dr. Jenny Jacob**

Associate Professor,  
School of Biosciences, MACFAST  
(Programme Coordinator)







MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

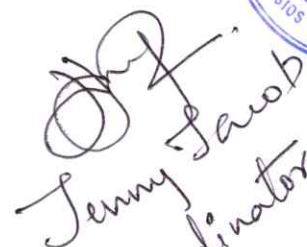
Thiruvalla - 689101

**School of Biosciences**  
**Report Online Faculty Development Program on 'Creating and**  
**Managing Online Classes'**  
**June 17-26, 2021**

Covid-19 pandemic lockdowns have enforced the implementation of e-learning on digital platforms to revamp education. School of Biosciences and IQAC MACFAST, in association with The Kerala State Higher Education Council, conducted an online Faculty development program on "Creating and Managing Online classes" to provide professional learning opportunities for the faculties to gain skill in online teaching platforms. The program was coordinated by Dr. Jenny Jacob, School of Biosciences. Technical section was handled by Mr. Biju Dharmapalan, Ms. Sini Kurien, Dr. Treesa Varghese and Dr. Shilpa Lekshmi L, faculty, School of Biosciences and technical support was provided by Mr. Ajay Kurien (Asst.Coordinator IQAC, MACFAST), Mr. Thomas Mathew (Ass. Prof. Dept. of Computer application), Roshin Philip (System Administrator) and Mr. Pavin Raj Thadathil (Ass. Prof. Dept. of Computer application). 37 faculty members from various colleges took part in this program. Comprehensive training was provided to create a website (Google Sites), online conferencing platforms (Zoom, Google Meet), LMS softwares (Google classroom) and Google forms for scheduling classes and manage assignments. Participants were also trained in video editing and recording. Participants were also given and evaluated based on the classes handled. Certificates were given to those participants who completed the assigned task. The feedback form received showed that the program was successful and was helpful for all the faculty participants.



  
**Fr. Dr. CHERIAN J KOTTAYIL**  
PRINCIPAL  
Mar Athanasios College For Advanced Studies  
Tiruvalla- 689101, Kerala

  
Jenny Jacob  
Coordinator



**MACFAST**

Jenny Jacob <jenny@macfast.org>

## List of participants - MACFAST

1 message

Fr. Dr. Cherian J Kottayil <principal@macfast.org>

Wed, Jun 24, 2020 at 2:48 PM

To: rajanvarghese60@gmail.com, mskshec@gmail.com

Cc: ajayk@macfast.org, administrator <administrator@macfast.org>, Jenny Jacob <jenny@macfast.org>

Dear Sir,

### Greetings from MACFAST!!!

We are expressing our in-depth gratitude for the academic collaboration from The Kerala State Higher Education Council to conduct an online Faculty Development Program (FDP) by the School of Biosciences and IQAC MACFAST on "Creating and Managing Online Classes". We are happy to inform you that the FDP conducted from 17<sup>th</sup> to 26<sup>th</sup> June 2020 is nearing its completion.

The list of participants and the format for the completion certificate are attached herewith. Kindly revert back for any corrections.

Thanks and Regards,

**Fr. Dr. Cherian J Kottayil**

*Principal Cum Director- MACFAST*

*(Accredited by NAAC with A Grade*

*Recognized by DSIR, Govt. of India)*

*Chairman- Radiomacfast 90.4*

#### Courses Offered:

@ **Main Campus (www.macfast.org)**  
Master of Business Administration (MBA)  
Master of Computer Applications (MCA)

@ **Bio-Campus (www.macfast.ac.in)**  
M. Sc. Phytomedical Science and Technology  
M. Sc. Food Science and Technology  
M. Sc. Plant Biotechnology  
M. Sc. Bioinformatics  
M. Sc. Biotechnology  
M. Sc. Biochemistry

#### Our Community Radio :


RADIOMACFAST 90.4 "നാട്ടുകാർക്ക് കൂട്ടായി"

Bridging the Knowledge Divide: India Towards a Knowledge Society

(46th Community Radio of India and First Campus Community Radio of Kerala)

Watch Our Profile Video

UNAI & UNHate Foundation 2015 Diversity Contest

 **List of participants.pdf**  
826K





**MACFAST**  
the trendsetter in education

**MAR ATHANASIOS COLLEGE FOR  
ADVANCED STUDIES TIRUVALLA**  
ACCREDITED BY NAAC WITH 'A' GRADE  
RECOGNIZED BY DSIR, GOVT. OF INDIA

Ref. No. 192/2020/M1

24/06/2020

**FDP on Creating and Managing Online Classes**  
**17th - 26th of June, 2020**

**List of Participants**

Name of Participant	Name of Institution
Dr. Ally C. Antony	Mes College, Marampally
Revathy Menon	Mar Chrysostom College Of Arts And Science, Adoor
Preetha G Panicker	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Tintumol P Joseph	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Dr. Neethu Ann Georgie	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Jinu Mary Varghess	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Ancil Zachariah	Mar Chrysostom College Of Arts And Science, Adoor
Ancila Clara Varghese	Mar Chrysostom College Of Arts And Science, Adoor
Anjali T	Mar Chrysostom College Of Arts And Science, Adoor
Sreeja M	Mar Chrysostom College Of Arts And Science, Adoor
Augustina K Antony	Mar Chrysostom College Of Arts And Science, Adoor
Jeena G C	Mar Chrysostom College Of Arts And Science, Adoor
Nisha P V	Mar Chrysostom College Of Arts And Science, Adoor
Anu Thomas	Mar Chrysostom College Of Arts And Science, Adoor
Dr. Sreekala L R	Mar Chrysostom College Of Arts And Science, Adoor
Jisha	Mar Chrysostom College Of Arts And Science, Adoor
Shiby K Baby	Mar Chrysostom College Of Arts And Science, Adoor
Julie K John	Mar Chrysostom College Of Arts And Science, Adoor
Dr. Ashalakshmi R.K	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Jayasree Joshi T	Saintgits College Of Engineering, Pathamuttom
Anju K A	Saintgits College Of Engineering, Pathamuttom
Dr. Priya Senan	Sas Sndp Yogam College, Konni
Dr. Lakshmi Mohan	Saintgits College Of Engineering, Pathamuttom
Dr. Amith Aravind	Saintgits College Of Engineering, Pathamuttom
ArunPrem	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Amrutha Francis	Mar Chrysostom College Of Arts And Science, Adoor
Dr. Jyothilakshmi M	SN College, Kumarakom
Mary Bessy Thomas	Government Arts And Science College, Vypin, Ernakulam.
Sebastian A.V.	St. Albert's College (Autonomous), Ernakulam.
Dr. Jeemon Joseph	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Dr. Elsa Cherian	Saintgits College Of Engineering, Pathamuttom

A Minority Institution of the  
Corporate Educational Agency of the  
Catholic Archdiocese of Tiruvalla

Approved by AICTE  
and Affiliated to  
M.G. University

Courses @  
Main Campus  
MBA & MCA

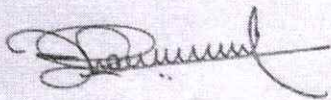
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Website  
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www.macfast.in

KERALA, PIN-689101, INDIA TEL : 0469 2730300, 2730301, 2730303, FAX : 0469 2730317



Dr. Reebu Zachariah Koshy	Saintgits College Of Engineering , Pathamuttom
Dr. Anitha Joseph	Saintgits College Of Engineering, Pathamuttom
Reenamol S	SN College, Kumarakom
Roshan K.V Remesh	SN College Kumarakom
Jerly Akku Cherian	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla
Terry Jacob Mathew	Mar Athanasios College For Advanced Studies (MACFAST), Tiruvalla



Fr. Dr. Cherian J. Kottayil

Principal





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sites.google.com/macfast.org/moocs-macfast/curriculum/day-1?authuser=1

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# Day 1

- Day 1
- Day 2
- Day 3
- Day 4
- Day 5
- Day 6
- Day 7
- Day 8
- Day 9
- Day 10

Curriculum



## Google Classroom

### Introduction

is a new Google web service created for educational purposes. It

Waiting for www.youtube.com...

sites.google.com/macfast.org/moocs-macfast/curriculum/day-9?authuser=1

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## Academic Integrity and Avoiding Plagiarism

### Plagiarism - Part 1



Plagiarism Part 1  
A Programme on  
"Creating and Managing Online Classes"

Organised By  
School of Biosciences and  
Internal Quality Assurance Cell  
in association with  
The Kerala State Higher Education Council

Mar Athanasius  
College for Advanced Studies  
(MACFAST) Thiruvalla  
Accredited by PCI, UGC, AICTE  
Recognized by NMAC, State, UGC

**Dr. JENNY JACOB**

**Head & Associate Professor**

**School of Biosciences**

**Mar Athanasios College For Advanced Studies**

**Thiruvalla – 689101**



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**Mob : 8075567847**

**9495984411**

**E-mail : [jennyjosappu@gmail.com](mailto:jennyjosappu@gmail.com)**

**[jenny@macfast.org](mailto:jenny@macfast.org)**

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### **CAREER OBJECTIVE**

To pursue a challenging career, as part of a progressive organization that gives scope to enhance my knowledge and skills and when combined with my dedication would help me to move forward.

### **HIGHLIGHTS OF QUALIFICATIONS**

- Doctorate in Biochemistry
- All India 15<sup>th</sup> Rank in CSIR/UGC NET for lectureship
- GATE qualified
- 12 years of teaching experience in renowned institutions
- 7 International publications
- Best Paper Presentation award
- Skilled in general biochemistry, clinical biochemistry, plant biochemistry, drug development, primary cell culture, bioinformatics, molecular docking studies and enzymology
- Excellent skills in communication and teamwork
- Highly inquisitive, creative and resourceful
- Good working knowledge of computers



## RELEVANT SKILLS AND ACCOMPLISHMENTS

### Research Experience

- Keen area of focus for PhD research - "Inhibition of Cyclooxygenase and Lipoxygenase Isoenzymes by Medicinal Plants".
- Working knowledge in bioinformatics with emphasis on molecular docking studies in Protein-Ligand systems.
- Working knowledge of structure elucidation of small molecular weight components in plant systems from mass spectroscopy data.
- Worked as Research Fellow in major project from DBT, New Delhi for two years and minor project from UGC, New Delhi for one year.
- Successfully guided projects (17) for MSc. Biotechnology and MSc. Applied Microbiology students as part of their syllabus.

### Teaching experience

- Currently working as Associate Professor at the School of Biosciences, Mar Athanasios College for Advanced Studies (MACFAST), Thiruvalla affiliated to Mahatma Gandhi University, Kottayam from 6<sup>th</sup> March, 2017.
- Worked as Lecturer on Contract at the Department of Biochemistry, University of Kerala, Thiruvananthapuram from 11<sup>th</sup> June, 2015 to 3<sup>rd</sup> March, 2017.
- Worked for a period of 6 years as Lecturer for PG and UG students in the Department of Biotechnology and Applied Microbiology, St. Thomas College, Pala from April, 2004 to January, 2010.
- Have been actively involved in the conduct of Theory and Practical classes for BSc., MSc., MPhil, And PhD coursework.

### Paper Publication

- **Jenny Jacob**, and Prakash B Kumar. 2021. Dihydroxy berberine from *Tinospora cordifolia*: In silico evidences for the mechanism of anti-inflammatory action through dual inhibition of Lipoxygenase and Cyclooxygenase. *Indian Journal of Biochemistry and Biophysics (IJBB)* 58(3): 244-252. (SCOPUS)



- **Jenny Jacob**, Bashi Babu, Anu P. Abhimannue, Mohind C Mohan, Prakash Kumar B. 2018. Inhibition of Proinflammatory Pathways by Bioactive Fraction of *Tinospora cordifolia*. *Inflammopharmacology* 26(2): 531-538 (doi: 10.1007/s10787-017-0319-2). (SCOPUS)
- **Jenny Jacob** and Prakash Kumar B. 2015. Dual COX/LOX inhibition: screening and evaluation of effect of medicinal plants of Kerala as Anti-inflammatory agents. *Journal of Pharmacognosy and Phytochemistry*, 3(6):
- Abhimannue, A. P., Mohan, M. C., **Jacob, J.**, and Babu, B. M. 2015. Inhibition of lipoxygenase by *Elephantopus scaber* extract and determination of its inhibition pattern. *Journal of Advanced Scientific Research*, 6(1): 1-5. **UGC CARE Listed**
- **Jenny Jacob**, Prakash K.B., Anu P. Abhimannue, Mohind M. and Bashi M. Babu. 2014. Inhibition of lipoxygenase enzymes by extracts of *Tinospora cordifolia*: A study of enzyme kinetics. *Journal of Natural Products*, 7: 203-209.
- **Jenny Jacob** and Prakash Kumar B. 2013. Ayurvedic herb, *Tinospora cordifolia*: Validation of anti-inflammatory and immunomodulatory activity by effect on inflammatory mediators, TNF- $\alpha$  and Lipoxygenase isoenzymes. *Journal of Pharmacy Research: BioMedRx.*, 1(9): 861-864.
- Prakash Kumar B, **Jenny Jacob**, Jomy Augustine 2011. Dual Inhibition of Lipoxygenase/Cyclooxygenase by An Ayurvedic Herb, *Tinospora cordifolia* (WILLD.); Possible Explanation for Anti-inflammatory Activity. *Journal of Pharmacy Research*, 4(6): 1779-1780.
- **Jenny Jacob**, Sabine Ittoop and Prakash Kumar B. 2008. *Cuminum cyminum*, *Vernonia anthelmintica*, *Carum carvi*: Comparative evaluation of anti-bacterial activity. *STARS International Journal (Sciences)*, 2(2): 129-133.

### Presentation

- Shanto V Thomas, **Jenny Jacob** 2019 "Essential oil extraction from *Pimenta dioica* and its characterization studies" in the **International Conference on Advances in Food and industrial Biotechnology** on 24-26 November 2019
- **'Best presentation award'**: **Jenny Jacob** 2011 Screening and phytochemical profiling of medicinal plants of Kerala for dual inhibition of LOX and COX-2 enzymes. In the proceedings of



the UGC Sponsored National Seminar on Modern streams in Biochemistry held at St Albert's College, Ernakulam on 20-22 September, 2011 .

- **Jenny Jacob** and Prakash Kumar B. 2011 Screening and phytochemical profiling of medicinal plants from Kerala for dual inhibition of LOX and COX-2 enzymes. In the proceedings of the **23rd Kerala Science Congress**; 2011 Jan 29-31; Thiruvananthapuram.
- **Jenny Jacob**, Prakash Kumar B, VasudevanNamboothiri. 2010. Effective microorganisms: evaluation of potential application in waste water treatment. Paper presented at National Seminar on Water Pollution and control measures Sponsored by U.G.C and KSCSTE held at Catholicate College, Pathanamthitta on 28-30 July 2010.
- Nitha Anand and **Jenny Jacob** 2010 *Woodfordia fruticosa* (L.): Evaluation of antimicrobial activity and partial characterization of active principle. In the Proceedings of the **22<sup>nd</sup> Kerala Science Congress**; 2010 Jan 28-31; Peechi, Thiruvananthapuram 1561-5.

#### REFERENCE

Dr. Annie Abraham  
Professor and Head  
Department of Biochemistry  
University of Kerala  
Kariavattom  
Thiruvananthapuram

Dr. Prakash Kumar B.  
Professor and Controller of Examinations  
School of Biosciences  
Mahatma Gandhi University  
Kottayam

#### EDUCATION

**Ph.D Biochemistry** : Awarded on 1/8/2015 under the guidance of Dr. Prakash Kumar B., Associate Professor, School of Biosciences, Mahatma Gandhi University, Kottayam.

**MSc. Biochemistry** : 77%, University of Kerala, 2003



**BSc. Biochemistry** : 93.3% (5<sup>th</sup> Rank), University of Kerala, 2001  
**10<sup>+2</sup> Examination** : 77.8% ISC (Council for the Indian School Certificate Examinations, New Delhi), 1998  
**10<sup>th</sup> Examination** : 80.83% ICSE (Council for the Indian School Certificate Examinations, New Delhi), 1996

**PERSONAL PROFILE**

**MAIDEN NAME** : Jenny Jacob  
**SEX** : Female  
**DATE OF BIRTH** : 15<sup>th</sup> July, 1980  
**MARITAL STATUS** : Married  
**HUSBAND'S NAME** : Jose K. George  
**NATIONALITY** : Indian  
**RELIGION & CASTE** : Christian, Orthodox  
**PERMANENT ADDRESS** : Karthikapalli Peedikayil,  
Puthencavu P.O.,  
Chengannur,  
Alappuzha Dist - 689123  
**CONTACT NUMBER** : 8075567847, 0479/2452929  
**E-MAIL ID** : jennyjosappu@gmail.com  
**PERSONAL STRENGTH** : Leadership skills, Team Player, Sincere and Hardworking.

**Declaration** : I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

Sd/