

# EVELYN MARIA

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## **Research Assistant**

**Lab: Biochemistry and Phytochemistry Research Division (BPRD)**

**Jubilee Centre for Medical Research**

Jubilee Mission Medical College & Research Institute

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## **Educational Qualifications:**

- M.Sc Biotechnology (2016) Kristu Jayanti College, Bangalore, Bangalore University
- B.Sc Biotechnology(2014) St. Marys college, Thrissur, Calicut University
- Higher Secondary - Devamatha CMI CBSE Puplic School.

## **Professional Experience: (2018-Present)**

- Execution of Indirect Immunofluorescence test for the diagnosis of Neuromyletis optica spectrum of diseases & N-Methyl D Aspartate – Receptor.
- Standardisation of protocols in Biochemistry & Phytochemistry Research Division
- Assisting and providing technical support for the on-going Research projects, M.Sc Dissertation
- Training for internship candidates.
- Participated in various activities and meetings related to the responsibilities
- Maintaining the laboratory stock and instruments

## **Work Experience:**

**SAMI labs Bangalore** – Pharmaceutical, probiotic, ayurvedic formulation based research and development and manufacturing Industry. Peenya, Bangalore.

Designation: Junior Scientist – R & D phytochemistry department (2016-2018).

## **Research Experience:**

- Electrophoresis techniques- SDS-PAGE & Western blot
- Handling of depletion kits & Molecular weight Cut off filters
- Identification, Extraction, Isolation of *bioactive compounds from medicinal plants*.
- Hands on experience on chromatographic techniques

## Publications:

1. Babu A, John M, Liji MJ, **Maria E**, Bhaskar SJ, Binukmar BK, Sajith AM, Reddy EK, Dileep KV, Sunil K. Sub-pocket-focused designing of tacrine derivatives as potential acetylcholinesterase inhibitors. *Computers in Biology and Medicine*. 2023 Feb 11;106666. <https://doi.org/10.1016/j.combiomed.2023.106666>
2. **Maria E** , Das S , Varghese An , Harisuthan T , and John M (corresponding author) Differentially Expressed Erythrocyte Proteins in Neuromyelitis Optica Spectrum Disorders and Their Functional Annotation Using DAVID Bioinformatics Tool. *Neurochem J* (2022) 16(4):465-71.
3. **Maria E**, Yohannan M, Harisuthan T, John M (corresponding author) Comparative Proteomics of Lipid Transport Proteins and Assessment of Oxidative Stress Parameters in Acute Ischemic Stroke and Healthy Control. *Int J of Biochem & Biophys.* (2022),10(1):1-7
4. John M\*, **Maria E**, Das S. Identification of Novel Serum Proteins Associated with Myelination and Cholesterol Transport in Neuromyelitis Optica Spectrum Disorders by Mass Spectrometry. *Indian Journal of Clinical Biochemistry*. 2021 Nov 12:1-0.DOI: 10.1007/s12291-021-01004-w
5. John M\*, Priyanka S, George JB, **Maria E**, Unni G. Oxidative stress parameters in atherosclerotic cardiovascular disease high and low risk score groups as indicators of acute myocardial infarction. *Int J Medical Sciences and Technology*. 2021, 10(1):1-7
6. John M, **Maria E**, Sabu MM, Asok K, Sinju R. Presence of Albumin in Erythrocyte Lysate of Autoimmune Hemolytic Anaemia Patients Observed in Electrophoretogram. *J. Biomed. Pharm. Res.* 2019; 8(3): 39-44.
7. John M, Varghese A, **Maria E**, Sinju R. Electrophoretic analysis of erythrocyte proteins in neonatal jaundice. *IOSR-JBB*. 2019; 5(1): 10-14
8. John M, Jahan KS, Sinju R, **Maria E**. Effect of Pro-oxidants in Erythrocyte Membrane Protein Patterns in Electrophoretogram. *Journal of Biochemistry International*. 2018;6:17-22

## Workshops attended-2023

- Collaborative research initiatives on science and technology (CRIST) July 1<sup>st</sup> 2023, conducted by LCSB ,JCMR
- Salisbury 2023: Workshop on Research methodology and scientific writing conducted by community medicine, JMMC & RI March 22,2023
- CME World tuberculosis Day 2023- newer developments, Paediatric TB , spine TB.

## Academic projects

Evaluation of anti oxidant activity of *Thespesia populnea* dry and raw fruit and different stages of flower.

Phytochemical screening and anti microbial activity of *Moringa citrifolia*.

## **Training**

Indirect Immunofluorescence Testing (IIFT) and Interpretation of Autoimmune disease Patterns at CPC DIAGNOSTICS, (Euroimmune) Chennai. 2019.

## **Paper Presentation**

**Title:** Evaluation of blood sialic levels in type II diabetes mellitus with Renal complications  
8<sup>th</sup> Annual meeting of Indian academy of biomedical sciences, held at **CSIR-NIIST**,2019.  
Thiruvananthapuram, Kerala

## **Computer exposure:**

MS OFFICE : Excel , Word , power point  
Programming languages : C-programming