

# **CURRICULUM VITAE**



## **DR. MATHAN KUMAR RAMASUBBU MBBS**

### **EDUCATION**

#### **MD- Pharmacology (studying- Final semester),**

9/1/2021 – till date,

All India Institute of medical sciences. Bhubaneswar.

#### **MBBS**

1/6/2014 – 31/5/2020

Thoothukudi Government Medical College Hospital, Tamilnadu.

Honours in Internal Medicine, Pediatrics, and Pathology.

Distinction in Biochemistry, Pharmacology, and Community Medicine.

#### **12 std**

Feb 2012- March 2014

Vetri Vikaas Boys Higher secondary school, Tamilnadu.

Total marks = 1166/1200 (97.16 %), Physics (200/200), Chemistry (197/200), Biology (199/200).

#### **10 std**

Cambridge Matriculation Hosur, Tamilnadu

Total marks = 474/500 ( 94.8 %), Science (100/100), Social Science (97/100), Mathematics (95/100).

### **PRIMARY AREA OF INTEREST**

- Adaptive trial designs in Oncology clinical trials.
- Quantitative Systems Pharmacology Modelling and Simulation (QSP, PK, PK-PD, Pop-PK).
- Clinical trial simulation (CTS).

## **TRAINING & SKILLS**

- Skilled in designing, conducting, and analyzing clinical trials.
- Completed QSP (Quantitative systems Pharmacology) modeling and simulation Internship training from Vantage Research Pvt. Limited.
- Skilled in Clinical trial simulation & Network Meta-analysis using R.
- Skilled in statistical analysis using R and SPSS.
- Trained in Drug Docking- CADD (Computer Assisted Drug Development) using Schrodinger suites – Maestro.
- Skilled in Therapeutic drug monitoring (TDM), dose recommendation using kinetic modeling.
- Participated in Pharmacovigilance, Materiovigilance program.
- Audited the Industrial clinical trial documents for regulatory requirements.
- Skilled in class teaching for Nursing and paramedical students.
- Leadership as Junior Representative Member in Resident Doctor Association of All India Institute of Medical Sciences, Bhubaneswar.
- Certified in Basic Course in Biomedical Research by ICMR & NIE.
- Certified in Principles of Clinical Pharmacology 2022-2023 by NIH.
- Certified in Antibiotic Stewardship by Stanford University.
- Certified in Hypothesis Testing in Public Health by Johns Hopkins University.
- Coordinated 4th National Workshop on R for Biostatistics (NAWORB).
- Participated in IP Awareness/Training program under National Intellectual Property Awareness Mission (NIPAM) by Intellectual Property Office, India.
- Completed the course about Starting with the OSP Suite with on the “esqLABS” online platform.

## **AWARDS**

### **1) ICMR MD thesis support grant [No. 3/2/June- 2021/Pg-Thesis-HRD (01)]**

"A Group Sequential, Response Adaptive Randomized Double-Blinded Clinical Trial to Evaluate the Safety and Efficacy of Add-on Combination of Olanzapine and Pregabalin for the Prevention of Chemotherapy-Induced Nausea and Vomiting in Patients Receiving Moderately to Highly Emetogenic Chemotherapeutic Regimen in a Day Care Setting" which was selected for ICMR financial support grant for MD thesis.

### **2) Best oral paper presentation in 30th Annual Conference-2022 Indian Pharmacological Society Odisha State Branch** for “Comparative efficacy and safety of various pharmacological interventions for the prevention of systemic chemotherapy-induced hand-foot syndrome: A systematic review and Bayesian network meta-analysis”.

## **PUBLICATIONS**

### **Articles published:**

- 1) **Ramasubbu MK**, Maji S, Padhan M, Maiti R, Hota D, Majumdar SKD, Srinivasan A. Chemotherapy-induced hand foot syndrome: comparative efficacy and safety of pharmacological prophylaxis - systematic review and Bayesian network meta-analysis. *BMJ Support Palliat Care*. 2022 Dec 23: spcare-2022-004011. doi: 10.1136/spcare-2022-004011. Epub ahead of print. PMID: 36564149

### **Book Chapter:**

- 1) **Ramasubbu MK**, Kumar R, Paleja B, Srinivasan S, et al. Introduction to QSP – Quantitative systems pharmacology for Indian clinical Pharmacologists. 4<sup>th</sup> ed. Rituparna Maiti's Postgraduate Topics in Pharmacology 2023. Paras Medical Books (India).

### **Articles under consideration:**

- 1) Shaikh Z, **Ramasubbu MK**, Sarkar S, et al. The study of drug utilisation and disease recurrence in patients with COVID Mucormycosis (CAM) on Posaconazole step-down therapy: an ambispective study. *Authorea*. 2022 Oct 18.
- 2) Maji S, Mishra A, **Ramasubbu MK**, et al. Efficacy and safety of monoamine reuptake inhibitors in attention deficit hyperactivity disorder: A Bayesian network meta-analysis. *Brazilian Journal of Psychiatry*.
- 3) **Ramasubbu MK**, Hota D, DasMajumdar SK, et al. Add-on olanzapine plus pregabalin for the prevention of chemotherapy-induced nausea and vomiting: A Group Sequential Response-Adaptive Randomized Double-Blinded Clinical Trial. *International Journal of Cancer*
- 4) Sahoo A, Jain M, ..., **Ramasubbu MK**. Does indirect decompression by oblique lateral interbody fusion produce similar clinical and radiological outcomes to direct decompression by open transforaminal lumbar interbody fusion. *Journal of Neurosciences in Rural Practice*
- 5) Velayutham, Bakialakshmi,...**Ramasubbu M**, et al. Immunohistochemical expression of perforin in adult systemic lupus erythematosus associated macrophage activation syndrome: clinicohematological correlation and literature review. *Lupus*

## **Research projects completed/ undergoing.**

- 1) A factorial 2\*2 randomized double-blinded clinical trial to evaluate the interaction between pregabalin and olanzapine for the prevention of chemotherapy-induced nausea and vomiting in patients receiving highly emetogenic chemotherapeutic regimens in a daycare setting.