

Biodata

Name: Dr. Amrutha Jose

Designation: Scientist – C (Biostatistics) (Non-medical)

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Academic Qualifications:

Degrees	Subjects	Institute and University	Academic Year	Achievements
B. Sc.	Mathematics, Statistics, Physics	St. George College, Aruvithura; Mahatma Gandhi University, Kottayam, Kerala	2002 - 2005	
M. Sc.	Biostatistics	St. Thomas College, Pala; Mahatma Gandhi University, Kottayam, Kerala	2006 - 2008	First rank
Ph. D	Biostatistics	National Institute of Mental Health and Neurosciences (NIMHANS), Bengaluru, Karnataka	2015 - 2021	

Academic/ research experience: 13 years (including Ph.D)

Specialization/ Areas of Interest: Biostatistics, Categorical data analysis and Survival analysis
Multilevel modelling.

Projects:

- i) Comparison of Probit and Logistic Regression in Fixed Effects and Mixed Effects Models
- ii) Physical Activity and Coronary Heart Disease: A Hospital Based Case-Control Study in Coimbatore, India
- iii) Knowledge and perceptions about clinical research among college students from non-science background: an observational study from Bengaluru, India
- iv) Validation of the Wellness Screener

Publications:

A) Research Papers

- i) Nambiar PP, Jangam KV, **Jose A**, Seshadri SP. Predictors of behavioral and emotional issues in children involved in custody disputes: A cross-sectional study in urban Bengaluru. Asian J

Psychiatr. 2022 Jan; 67: 102930. doi: 10.1016/j.ajp.2021.102930. Epub 2021 Nov 27. PMID: 34861567. Available from: <https://www.sciencedirect.com/science/article/abs/pii/S1876201821003865?via%3Dihub>

- ii) **Jose, A.**, Philip, M., Prasanna, L. T., & Manjula, M. (2020). Comparison of Probit and Logistic Regression Models in the Analysis of Dichotomous Outcomes. *Current Research in Biostatistics*, 10(1), 1–19. Available from: <https://doi.org/10.3844/amjbsp.2020.1.19>
- iii) Gandhi, S., Palled, V. K., Sahu, M., Jagannathan, A., Khanna, M., & **Jose, A.** (2019). Effectiveness of caregivers' yoga module on psychological distress and mental well-being among caregivers of patients admitted to neurological rehabilitation wards of a tertiary care institute, bengaluru, karnataka, india. *Journal of Neurosciences in Rural Practice*, 10(4), 657–665. Available from: <https://doi.org/10.1055/s-0039-3399613>
- iv) Aboobaker S., Jangam K.V., Sagar K.J.V., Amaresha A.C., **Jose A.**, Predictors of emotional and behavioral problems among Indian adolescents: A clinic-based study, *Asian Journal of Psychiatry*. 2018. Available from: <https://europepmc.org/article/med/30599450>
- v) Bagul K, Rajanbabu A, Ranganathan V, Vijaykumar DK, **Jose A.**, Nair I, et. al. Primary fallopian tube carcinoma - Evaluation of clinicopathological prognostic factors in 21 cases. *Eur J Oncol*. 2017; 22(1). Available from: <https://www.mattioli1885journals.com/index.php/EJOEH/article/view/4398>
- vi) Syamala D, Suresh R, Janardhanan M, Savithri V, Anand, P P., & **Jose A.** Immunohistochemical evaluation of myofibroblasts in odontogenic cysts and tumors: A comparative study. *Journal of Oral and Maxillofacial Pathology*. May-Aug 2016; 20 (2): 208-13. Available from: <https://www.jomfp.in/article.asp?issn=0973-029X;year=2016;volume=20;issue=2;spage=208;epage=213;aulast=Syamala>
- vii) Kanthi J M, Remadevi C, Sumathy S, Sharma D, Sreedharan S, & **Jose A.** Clinical study of Endometrial Polyp and role of Diagnostic Hysteroscopy and Blind Avulsion of Polyp, *Journal of Clinical and Diagnostic Research*. Jun 2016; 10 (6): 01-04. Available from: <https://pubmed.ncbi.nlm.nih.gov/27504357/>
- viii) Lalithambika C. V., Nisha B., Saraswathy L., Varma A K, **Jose A.**, & Sundaram K. R. Ankle Brachial Index and Transcutaneous Partial Pressure of Oxygen as Predictors of Wound Healing in Diabetic Foot Ulcers, *The Journal of Diabetic Foot Complications*, Vol. 6, Issue 2, No: 4, pp. 54-59, 2014. Available from: <https://www.semanticscholar.org/paper/Ankle-Brachial-Index-and-Transcutaneous-Partial-of-Cv-Nisha/35f0ed607e831a7a7e384c070277674d4c110571>
- ix) Srilakshmi, Sailal, **Jose, A.**, & Deepak. Role of Mars and Saturn in Asthma. *Modern Astrology*, Vol. III No: 11, pp. 431 - 435, July, 2012. Available from: https://www.researchgate.net/publication/305866891_ROLE_OF_MARS_AND_SATURN_IN_ASTHMA
- x) Sundaram, K R, & **Jose, A.** Teaching - Estimation of Minimum Sample Size and the Impact of Effect size and Altering the Type I and II errors on it, in Clinical Research”, - *Amrita Journal of Medicine*, Vol. 6, No: 2, pp. 41 - 44, July - Dec, 2010. Available from:

<https://www.researchgate.net/publication/267799908> Teaching estimation of minimum sample size and the impact of effect size and altering the type - i ii errors on it in clinical research

- xi) Mathew A C, **Jose A**, Soubhya T. B., Shankar, S L R, Ramalingam S, Chacko T V, Rajendran, G, Vaidyanathan C V, Bhuvaneshwaran, J S, & Ma, Y. Association of Physical Inactivity with the Risk of Coronary Heart Disease, *South Asian Journal of Preventive Cardiology* (a collaborative study with University of Massachusetts Medical School, Worcester, USA), Vol. 13, No: 1, pp. 5 - 19, 2009. Available from: <https://biostatisticskerala.com/wp-content/uploads/2021/01/biostat-amrutha-1.pdf>
- xii) Mathew A C, Soubhya T. B., **Jose, A**, Shankar, S L R, & Ma, Y. Familial Aggregation of Hypertension, Obesity and Diabetes among Adult Women in India, *South Asian Journal of Preventive Cardiology* (a collaborative study with University of Massachusetts Medical School, Worcester, USA), Vol. 12, No: 1 & 2, pp. 37 - 47, 2008.

B) Book & Book chapter

- i) Sivaram, M., Emerald, F.M.E., Pushpadass, H.A., et. Al. (2020). Statistical Analysis in Biological Research, Southern Regional Station, ICAR-National Dairy Research Institute, Bengaluru.
- ii) Kaithathara, S.T., John, N., Jose, A., Joshi, H, Gillariose, J.. "Confrontations Faced by Women in Higher Education Institutions and Strategies to Overcome the Anomalies in the Mid-Career." *Women in Higher Education and the Journey to Mid-Career: Challenges and Opportunities*, edited by Heidi L. Schnackenberg, IGI Global, 2022, pp. 52-72. <https://doi.org/10.4018/978-1-6684-4451-1.ch004>

Awards and Achievements:

- 1) First rank: M. Sc. Biostatistics, Mahatma Gandhi University, Kottayam, Kerala
- 2) Best paper presentation: Amrutha Jose, Bingshu Chen, Manjula M, Mariyamma Philip. Analysis of Binary outcome and Survival data – A joint modeling approach. Statistics Day held at GlaxoSmithKline (GSK) Asia Pvt. Ltd., Bengaluru on 24th January, 2019
- 3) Memberships: Life member-ISMS, Epidemiology Foundation of India, Regular member IASCT