



**P.G. & RESEARCH DEPARTMENT OF CHEMISTRY
ST. JOSEPH'S COLLEGE (AUTONOMOUS), DEVAGIRI
CALICUT - 673 008, KERALA, INDIA.**

'College with potential for excellence'

Accredited by **NAAC** with Grade **A++**

Affiliated to the University of Calicut

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Assistant Professor & Head

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TO WHOMSOEVER THAT IT MAY CONCERN

It gives me great pleasure to write this letter of recommendation for Ms. Ann Mary Antony., for who was a postgraduate student in the Department of Chemistry of St. Joseph's College (Autonomous), Devagiri, Calicut.

Being the tutor to 13 students of 2019-21 batch, Ann proved to be a student who impressed me greatly with her perseverance, in-depth knowledge in the subject and, above all, the drive to succeed. Her determination to excel in everything has helped her stand out from the crowd.

The topics that I handled for her included, thermodynamics, Chemical Kinetics and Physical Chemistry practical, in which she secured an A+ grade. Ann is one among the top 1 % in the class. She also displayed excellent analytical and reasoning skills during the course of the course.

Ann's post graduate research project on "Synthesis and Thermal characterization of Chitosan derivatives" requires special mention as it showcased her natural flair for research work. The enthusiasm and hard work she showed in her project work proved that she is a perfect research aspirant. She has to her credit an International peer reviewed Journal publication as part of her M.Sc. project work under my supervision, in Materials Today Chemistry titled "Thermal decomposition kinetics of melt-mixed ethylene-co-vinyl acetate - based bio-composites".(<https://doi.org/10.1016/j.mtchem.2021.100544>). The preparation of the research article gave her first-hand experience in using the Thermogravimetric analyser instrument for data collection and applying various theoretical models for data interpretation.

Ann took initiative in preparing and presenting a paper entitled “Synthesis and Characterization of Chitosan-g-Vinyl Monomers” in Virtual International Conference on Chemical Science in Sustainable Technology and Development, under Young Researcher Category in IC2 S 2TD-2020 organized by Applied Chemistry Department, S. V. National Institute of Technology, Surat 395007, Gujarat, India during 1st – 3 rd December 2020, in which she bagged the Best Young researcher award.

Adding to her excellence in academics, her active involvement in varied social activities helps her build a well-rounded personality. I am also aware that in her free time, Ann has been involved in teaching her fellow batch mates and thus helping them in their academics. Ann’s concern and compassion for her peers greatly impress me. I have also been witness to an excellent team worker in Ann during her practical classes.

I am convinced that Ann possesses all the skills and qualities that make her an ideal candidate for your esteemed university. If given the chance to be a part of your program, she would most certainly prove her caliber and become a value adding member of your university.

I recommend her for any position that requires hard work and dedication.

A handwritten signature in blue ink, reading "Lavinia Francis". The signature is written in a cursive style with a long horizontal stroke extending to the right.

27-08-2021