

Gopika V. K., M.Sc

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EDUCATION

M.Sc. , Nanobiotechnology	Amrita Vishwa Vidyapeetham, India	2019 - 2021
B.Sc. , Biotechnology	Amrita Vishwa Vidyapeetham, India	2016 - 2019

RESEARCH EXPERIENCE

GRADUATE STUDENT, Lab of Prof. Manzoor Koyakkutty. **2019 -2021**
Nano Medicine chemistry lab, ACNSMM, Kochi, India

- Evaluated toxicity of Mn doped Zinc sulphide Nanoparticle in immune cells and recognized the surface receptor expression using FACS assay

MASTER'S THESIS TITLE:- Bio Compatibility of Manganese doped Zinc sulphide on immune cells.

BACHELOR STUDENT, Lab of Dr. Sobha V Nair. **2014 - 2015**
Protein Chemistry Lab, Amrita Vishwa Vidyapeetham, India.

- Prepared molecule "BAF" and estimated protein quantification using BAF.

UNDERGRADUATE THESIS TITLE:- Protein quantification employing activated furfural; The BAF assay.

LANGUAGE PROFICIENCY

- MALAYALAM - Expert user.
- ENGLISH - Competent user
- HINDI - Competent used
- TAMIL - Beginner

CONFERENCES ATTENDED

- **International Symposium on Microbial Pathogenesis 2017**, Amrita Vishwa Vidyapeetham, India.
- **Breast Cancer Affects More than your Breast: Treatment side effect that you should know about 2021**, Cancer Research Institute (Online).

HOBBIES AND INTEREST

- Reading fantasy fiction books, Photography.
- Knitting and Singing.

SKILLS AND TECHNIQUES

Technical Skills.

- Cell and Microbial Culture
- MTT assay and SDS-PAGE
- Bright field and confocal microscopy
- Nanoparticles synthesis and characterization
- AFM and SEM result analysis
- FTIR, UV-Spectroscopy
- Small animal handling
- RNA and DNA isolation

Software Skills

- Graph pad prism
- Origin pro 9
- Image J
- MS Word
- Adobe CS

REFERENCES

- **Prof. Manzoor Koyakkutty**

ACNSMM, Kochi.

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