

## Department of Nutrition and Dietetics

S.NO	NAME	AREA OF SPECIALIZATION	LINK
1	Dr. P. Rameshthangam  Professor & Head i/c	<p>Functional foods and Nutrition</p> <ul style="list-style-type: none"> <li>➤ Microbial biotransformation of prebiotics: Development of process to produce prebiotics by exploring nutraceuticals, functional foods for enhanced health and disease prevention benefits.</li> <li>➤ High content prebiotics: An alternate approach to purify the prebiotics and to improve the product quality and characteristics.</li> </ul> <p><b>Nano biotechnology</b></p> <ul style="list-style-type: none"> <li>➤ Development of carbon-based nanomaterial as a potential therapy for Polycystic Ovary syndrome: Synthesis and characterization of fluorescence carbon dot as a nanocarrier dock with bioactive compound which inhibits the gene of LH hormone highest secretion.</li> <li>➤ Development protein-based nanoparticles as a potential therapy for colorectal cancer and breast cancer. Synthesis and characterization of silk fibroin protein nanoparticles as a nanocarrier dock with bioactive compound which inhibits the gene of Bcl2. Synthesis and characterization of Human serum albumin protein nanoparticles as a nanocarrier dock with bioactive compound which inhibits BRCA1, PALB2 and MDM2 genes.</li> </ul>	<a href="https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/51510_250915.pdf">https://www.alagappauniversity.ac.in/academics/faculty-of-science/school-of-biological-sciences/docs/51510_250915.pdf</a>