



Dipartimento di Scienze Agrarie, Alimenti, Risorse Naturali e Ingegneria  
Department of Agriculture, Food, Natural resources and Engineering (DAFNE)

<b>CYCLE</b>	<b>XL</b>
<b>STUDENT</b>	<b>PARAMASIVAM SANTHOSHKUMAR</b>
<b>TUTOR</b>	<b>Derossi Antonio</b>
<b>CO-TUTOR</b>	<b>Caporizzi Rossella</b>

<b>CURRICULUM</b>	<b>2 Emerging Technologies for Ensuring Food Quality and Safety •</b>
<b>PROVISIONAL TITLE of the RESEARCH PROJECT</b>	<b>Use of robotic applications for elevating the quality and sustainability of food products</b>
<b>DOCTORAL SCHOLARSHIP</b>	<b>DM 630 INNOVA</b>
<b>SHORT CV</b>	<p>Santhosh is currently pursuing his Ph.D. under the research grant titled “Improving the quality and sustainability of food manufacturing using robotic applications” (DM 630/2024), co-financed by Innova Srl. He previously worked as a Senior Research Fellow at NIFTEM-Thanjavur for 10 months on the project “<i>Development of pilot-scale electrospun membrane-based nanofiltration unit for shelf-life extension of coconut neera.</i>” He completed his B.Tech. in Fisheries Engineering from TNJFU, India, and obtained his M.Tech. in Food Process Engineering from NIFTEM-Thanjavur. Santhosh is a co-inventor of two filed patents and has authored 20 peer-reviewed articles. His primary research interests include 3D food printing, food nanotechnology, and robotics. He also serves as a reviewer for several international peer-reviewed journals.</p>
<b>PUBLICATIONS</b>	None