

GRG TRUST RESEARCH PROJECT

TITLE OF THE PROJECT

PI: Dr. N. Arunadevi

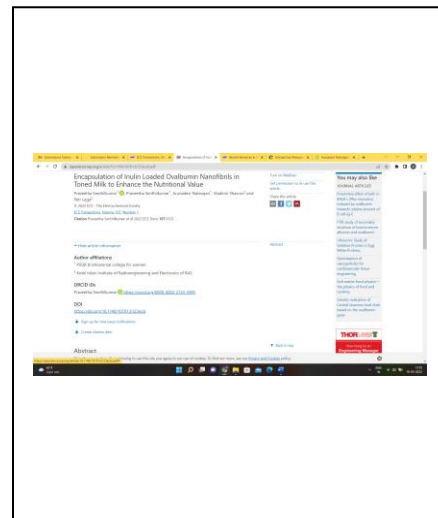
Co PI: Dr. Ramesh Subramani

Amount Sanctioned: Rs. 3,00,000

Year: 2019

Project outcomes:

- **Awarded as best poster presenter** in three-days International virtual conference on “Chemistry- Frontiers & Challenges (ICCF – 2022)” organized by PSGR Krishnammal college for women held from 5th to 7th January 2022. – by Praveetha S
- **Awarded first place for poster presentation** in two-days National virtual conference on “Foods 2022 – Our actions are our future” organized by M.O.P. Vaishnav College for Women held on 25/03/2022 and 26/03/2022.- by Praveetha S



Publication:

- Senthilkumar, P., Natarajan, A., Shavrov, V. and Lega, P., 2022. Encapsulation of Inulin Loaded Ovalbumin Nanofibrils in Toned Milk to Enhance the Nutritional Value. *ECS Transactions*, 107(1), p.6123. doi.org/10.1149/10701.6123ecst

Other outcomes:

1. Government funded project

Based on this project two government funded projects were sanctioned for CO-PI (Dr. Ramesh Subramani)

- SERB – Startup research grand (Sanction No. SRG/001179/2019) Title: Development of novel polymer based edible coating for food preservation – Rs. 20.19 lakhs
- DST- International bilateral project (Sanction No. INT/RFBR/367) Title: Development of novel mechanical characterization method for bio-polymeric nanomaterials using newly fabricated micro and nano – mechanical tools – Rs. 35.02 lakhs

2. Proposals submitted:

- Proposal submitted to TNSCST. Title: Development and stabilization of coating formulation for post-harvest fruits and vegetables. – submitted by Siva Nandhini S under the guidance of Dr. N. Arunadevi
- Proposal submitted to TNSCST Title: Encapsulation of self-assembled nanofibrils for food application – submitted by Praveetha S under the guidance of Dr. N. Arunadevi

For more information, please contact: Dr. N. Arunadevi (arunadevi@psgrkcw.ac.in)