

**PSG College of Arts & Science  
Coimbatore – 641014**

**Research Projects**

<b>S.No</b>	<b>Name of the Faculty / Research scholar/ Student</b>	<b>Project Title</b>	<b>Department</b>	<b>Year Sanctioned</b>	<b>Funding Agency</b>
1	Dr Rasmi R R	Investigation on the role of p62 in linking autophagy and Nrf-2 mediated defensive mechanism in radiation induced lung injury	Biotechnology	2018-2019	Indian Council of Medical Research (ICMR)
2	Dr. A. Michael	Generation, Characterization and Pre-clinical evaluation of Chicken Egg Yolk sourced Anti-Snake venom IgY against Cobra, Krait, Russells Viper and Saw-scaled Viper	Microbiology	2018-2019	Department of Biotechnology DBT-BIRAC-PACE
3	Dr Sivaraj C	Modeling of MHD Convective Heat Transfer combined with Entropy Generation in Closed and Semi-open Cavities	Mathematics	2018-2019	Department of Science and Technology- Indo-Russian Bilateral Programme (DST)
4	Dr Krishnaveni N	Isolation and Characterization of novel Bt insectidal genes from soil samples for developing insect resistance in Cotton	Microbiology	2018-2019	Rasi Seeds, Attur
5	Dr. D. Shanthi	Indian Dietetic Practice Audit: An introspection in to dietetics practice in India	Nutrition, Food Service Management and Dietetics	2019-2020	Academy of Nutrition and Dietetics Foundation, USA
6	Dr. A. Michael	Monoclonal IgY antibodies against SARS CoV-2(S) protein using phage display assay for passive therapy	Microbiology	2019-2020	Board of Research in Nuclear Sciences (BRNS-DAE)

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7	Dr. D. Victor Arokia Doss, Ms. Dharaniyambigai. K	Mechanistic Studies on the therapeutic efficacy of Enicsotemmalittorale in Diabetic Cardiomyopathy	Biochemistry	2019-2020	Department of Science and Technology - Woman Scientist Scheme
8	Dr. E. M. Rajesh, Mr. A. Jayaprakash	Isolation of Biofloculent producing bacteria by using Guar gum as a growth substrate and its potential applications in removal of harmful algal growth.	Microbiology	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)
9	Dr. A. Michael	Developing Highly Purified, Cost Effective Chicken Egg Yolk IgY Antibodies that Enables Improvement in Food Nutrition and Healthcare in Humans and Animals	Microbiology	2019-2020	Department of Biotechnology (DBT)- Biotechnology Industry Research Assistance Council (BIRAC)
10	Dr Rama Praba .R	Non-Clinical factors of Hysterectomy among Baduga women in Nilgiris District, Tamilnadu	Journalism & Mass Communication	2019-2020	Indian Council of Social Science Research (ICSSR), New Delhi.
11	Dr Rajeswari K	Walkability in Urban Pedestrian Environment with reference to Coimbatore	Social Work	2019-2020	Indian Council of Social Science Research (ICSSR), New Delhi.
12	Dr Jailapdeen S	Creating Job Opportunities for youth through the Promotion of Textile MSMEs in Coimbatore	Social Work	2019-2020	Indian Council of Social Science Research (ICSSR), New Delhi.
13	Dr Umamaheshwari R	Rural Entrepreneurship and Business Prospects: An insight study in rural areas of Coimbatore District.	Commerce	2019-2020	Indian Council of Social Science Research (ICSSR), New Delhi.
14	Dr. A. Michael	Development of gold nanoparticle based electrochemical immunosensor for snake venom detection using	Microbiology	2019-2020	Indian Council of Medical Research (ICMR)

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		chicken egg yolk Antisnake venom antibodies (IgY)			
15	Dr Nivetha L	Innovative Ways of BioControlling Agent, Plant Extracts and Organic Amendments Against Black Rot of Cauliflower Caused By Xanthomonas Campestris Pv. Campestris	Biotechnology	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)
16	Dr. E. M. Rajesh	Identification of Entomopathogenic fungi from Maconellicoccus Hirsutus and its Application as biological control against Maconellicoccus Hirsutus	Microbiology	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)
17	Dr Arunprasath A	Comparative Phytochemical and genetic variation analysis of Rhizophora Apiculata Bi.	Botany	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)
18	Dr Ramya K	Development of Natural Mosquito Repellent cotton fabrics using encapsulated herbal particles.	Costume Design & Fashion	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)
19	Dr Dhanakumar S	A novel electrospun nanofibrous biofabric with antimicrobial finish of Aloe vera for air filtering protective mask	Environmental Science	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)
20	Dr. A. Michael	Generation of Staphylococcal IgY antibody coated with silver nanoparticles to treat mastitis.	Microbiology	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)
21	Dr Rajendran R	Development and characterization of Hydrogels for efficient treatment of burn wound infections.	Microbiology	2019-2020	Tamilnadu State Council for Science and Technology (TNSCST)

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22	Dr Brindha D (PI), Dr. K. M. Sakthivel (Co-PI), Dr. S. Mohandass (Co-PI),	Assessment and Prevalence of Cardiovascular risk factors in Coimbatore Dt. and development of novel microfluidic paper-based platform for early detection of cardiac arrest.	Biochemistry	2020-2021	Tamil Nadu State Council for Science and Technology (TNSCST)
23	Dr. A. Michael	Generation and Characterization of Chicken Egg Yolk Antibodies (IgY) for Passive therapy against Clarithromycin resistant Helicobacter Pylori and its preclinical evaluation in a suitable animal model	Microbiology	2020-2021	Department of Biotechnology (DBT), New Delhi.
24	Dr.L. Uthira, Ms. Ajitha.G , Mr. Dafnil.S , Ms. Poovizhi.T, Mr. Shaik Atheeb Abdullah.A	Spice Up	Nutrition, Food Service Management and Dietetics	2021-2022	Innovation & Incubation Division, Entrepreneurship Development and Innovation Institute, (An autonomous society of the Government of Tamil Nadu) Chennai
25	Dr. T. Balamurugan Dr.Rekhapriyadharshini Dr. G. Hariharan Dr. K. Tamilselvi	Implementation of Green supply chain with references to small scale industries in Coimbatore District, Tamil Nadu	International Business	2021-2022	Indian Council of Social Science Research (ICSSR), New Delhi.
26	Dr. S. Kanchana, Ms. Priyadarshini A Mr. Roshan Peniel W	Avenue D-Zone	Software Systems	2021-2022	Tamil Nadu State Council for Science and Technology (TNSCST)
27	Dr. S. Dhanakumar Ms. Srinithiya. S	Recycling and Purification of grey-water into sustainable water source by	Environmental Science	2021-2022	Tamil Nadu State Council for Science and Technology

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		portable filtration system			(TNSCST) - Student Project Scheme
28	Dr. Victor Arokia Doss, Mr. Prasanth. M	Regulation of Redox Balance to reduce the severity of Simulation studies of Glucose-6-phosphate Dehydrogenase (G6PD)	Biochemistry	2021-2022	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
29	Dr. M. Sathyabhama, Ms. V. Yegammai	Synthesis of an Artificial Vector for Detoxifying Metals in E-waste	Biotechnology	2021-2022	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
30	Dr. E. M. Rajesh, Ms. Priyanka.M	Investigation of Microbial Pigments as a potential Eco-Friendly alternative for Food Colourants	Microbiology	2021-2022	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
31	Dr. R. Rama Prabha	Strategic Communication for Menstruation Health, Hygiene Management among School Girls in Tamil Nadu	Communication	2022-2023	Indian Council of Medical Research (ICMR)
32	Dr. M. Rajkumar	Energy Storage and Conversion based on Metal-Organic Frameworks (MOFs) and derived materials	Chemistry	2022-2023	Science & Engineering Research Board (SERB)
33	Dr. K. Latha, Dr. V. Muruges	A Study on challenges and issues of Rural Women Entrepreneurs in Micro, Small, and Medium Enterprises (MSME) of Coimbatore District of Tamilnadu	Commerce - Professional Accounting	2022-2023	Indian Council of Social Science Research (ICSSR)
34	Mr. G. S. Karthik, Ms. A. Haridha, Ms. S. Elakiya	IoT Based Anxiety Disorder Monitoring and Prediction	Software Systems	2022-2023	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project

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					Scheme
35	Dr. L. Nivetha, Ms. Mythili .E	In vitro fibrinolytic activity of an enzyme purified from endophytic bacteria isolated from <i>Tinospora cordifolia</i>	Biotechnology	2022-2023	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
36	Dr. V. S. Anita Sofia, Ms. Dhivya V N, Mr. Boopathy Ganesh K	V Suite	MCA	2022-2023	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
37	Dr. K. M. Sakthivel, Ms. Priyadharshini S	Development and validation of effective nutraceutical juice for preventing inflammatory bowel disease	Biochemistry	2022-2023	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
38	Dr. S. S. Ramya, Ms. M. Sruthikadevi Ms. D. Indumathi Mr. F. S. Usman Mr. C. Premganesh	A Study on challenges faced by Women Entrepreneurs in Coimbatore city	Commerce – Corporate Secretaryship	2022-2023	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
39	Dr. K. Syed Ibrahim, Mr. Maheshwar N Ms. Bhuvani T	Green synthesized zero valent iron nanoparticles for the removal of acetaminophen – An emerging pollutant from pharmaceuticals	Botany	2022-2023	Tamil Nadu State Council for Science and Technology (TNSCST) - Student Project Scheme
40	Dr. K. P. Naachimuthu, Ms. N. Savya	Thiruppugazh as a therapeutic intervention in reducing stuttering among school children	Psychology	2022-2023	Indian Council of Philosophical Research (ICPR)
41	Dr. K. P. Naachimuthu	Psychological impact on children affected by loss of Parent/s due to COVID-19 in Tamilnadu	Psychology	2022-2023	Tamil Nadu State Child Protection Society (TNSCPS)

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42	Dr. R. Rama Prabha	MHM Practices among girls in Tamil Nadu	Communication	2022-2023	Indian Council of Medical Research (ICMR)