



### 3.1.1 Institution's Research facilities are frequently updated and there are well defined Policy

#### List of Student Research Proposal Submitted

S.No.	Student Name with Class	Title of the Proposal Submitted	Funding Agency
<b>2018 - 2019</b>			
1.	M.Arul Jothi II M.Sc. Biotechnology	Phyto Chemistry Profiling Anti-cancerous and Anti-oxidant Potential of <i>Muristica Fragens</i> Leaf Extracts against A549 Cancerous Cell Lines	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
2.	S.Dharani II M.Sc. Biotechnology	Isolation and Characterization of Bioactive Compounds from Coral Reef associated with Actinobacterial Strains against Nosocomial Pathogens	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
3.	A.Francis Arulmary II M.Sc. Biotechnology	Isolation, Screening and Characterization of Probiotic from Honey Bee Gut and their Role in Fish Feed	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
4.	M.Jegadeeswari II M.Sc. Biotechnology	Screening on Sulfated Polysaccharides from Marine Seaweeds and their Possible Utilization of Biopharmaceutical Properties	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
5.	M.M.Muneeswari II M.Sc. Biotechnology	Biosorption of Potassium per Chloride Basium Nitrate, Sulphur dioxide by using Algae	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
6.	P.Saranya II M.Sc. Biotechnology	Study on the Effect of Isolated Probiotic Organisms against "staphylococcus Aureus" in the Mice Model of Infection	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
7.	G. Mohanapriya II M.Sc. Chemistry	Synthesis, Characterization and Photo Activity of Nanocomposites	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
8.	K. Ponmani	Esterification of Trans- $\alpha,\beta$ -	Tamil Nadu State



S.No.	Student Name with Class	Title of the Proposal Submitted	Funding Agency
	II M.Sc. Chemistry	Unsaturated Ketone	Council for Science and Technology (TNSCST), Chennai.
9.	J. Gandhikrishna II M.Sc. Chemistry	Biotechnological Applications of Green Synthesised Metal and Metal Oxide Nanoparticle	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
10.	V. Chandrakala II M.Sc. Chemistry	Analysis of Pesticides in Foods	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
11.	V. Guruvammal II M.Sc. Chemistry	Potential Impact of Fireworks on Firework Industry Workers	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
12.	V. Vishnupriya II M.Sc. Chemistry	Design and Synthesis of Coinage Metal Nanoparticle for the Detection of Environmentally Harmful Organic Neutral Molecules and Heavy Metal Ions	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
<b>2019 - 2020</b>			
13.	S.Santhosh & V.Vijayakumar III B.Com	Impact of Micro Finance towards the Empowerment of Women Self Help Group with Special Reference in Sivakasi.	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
14.	P. Pandiselvi, P.Athilakshmi, S.M.Muthlakshmi, S.Gayathri II M.Sc. Botany	In vitro Propagation and Mass Multiplication of <i>Pisoniagrandsis</i> R. Br.: Anti -Ulcer Medicinally Important Tree Species	InSc, Bangalore
15.	P. KarthigaN.Sobana P.Karthiselvi M. Saranya II M.Sc. Botany	In vitro Propagation and Conservation of <i>Dalbergialatifolia</i> Roxb.: A Vulnerable Tree Species from Sirumalai Hills, Eastern Ghats, India	InSc, Bangalore



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16.	S. Gayathri II M.Sc. Botany	Pharmacological Potential of Essential Oil Extract of <i>Cymbopogon citratus</i> (Dc.) Stapf. Formulation on Wound Healing in Sprague Dawley Rats	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
17.	M. Saranya II M.Sc. Botany	An Assessment of Floristic Diversity of Rakkachiamman Hills, Srivilliputhur Grizzled Squirrel Wildlife Sanctuary	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
18.	P.Karthiselvi II M.Sc. Botany	Screening of bioactive compounds from <i>Aristolochia bracteolata</i> for its Biotherapeutic potential against the drug resistance pathogens	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
19.	P. Karthiga II M.Sc. Botany	Diversity of Arbuscular mycorrhizal fungi associated with selected endemic trees in velliangiri hills of southern Western Ghats, India	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
20.	P. Pandiselvi II M.Sc. Botany	Detection of potential antifungal resistance, antibiotic resistance and heavy metal tolerant rhizobacterium for plant disease management	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
21.	P.Athilakshmi II M.Sc. Botany	Isolation and Identification of Biological active compound from Tuber extract of <i>Momordica cymbalaria</i> Hook.F.	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
22.	Mr.K.Kalaiselvan II M.Sc. Botany	The comparative study of growth and yield on Black gram by the application of selected aquatic weeds and vermi compost under irrigation	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
23.	A.Jeyadharini II M.Sc. Biotechnology	Isolation of bioactive compounds from marine microorganisms	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
24.	G.Kaleeswari	Determination of antimicrobial	Tamil Nadu State



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	II M.Sc. Biotechnology	activity of brown seaweed extract by modified reszarinmicrotitre assay	Council for Science and Technology (TNSCST), Chennai.
25.	J.Mariya Francis Jenifer II M.Sc. Biotechnology	Studies on drug delivery efficacy of green synthesized zinc oxide nanoparticles from Tithoniadiversifolia and its cytotoxic effect on HepG2 cells	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
26.	S.MuthuEsakki II M.Sc. Biotechnology	Isolation of prebiotics from Pleuotrusflorida and its effect on growth of probiotics	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
27.	M.Swathi Priya II M.Sc. Biotechnology	BioChemistrychemical composition of fish samples and characterization of probiotic from diverse fish fauna of the pilavakkal dam at Virudhunagar district	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
28.	K.S.Ajesh Khabur II M.Sc. Chemistry	Synthesis, Characterization and Biological activity of Metal oxide nanoparticles	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
29.	M.Ramakrishna II M.Sc. Chemistry	Synthesis, Characterization and Biological activity of nanoparticles	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
30.	G.Mariselvi II M.Sc. Chemistry	Synthesis, Characterization and Photocatalytic activity of Nanocomposites	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
31.	B.Raj Ganesh B.Jothipandian II M.Sc. Chemistry	Synthesis, Characterization and Photocatalytic activity of CeO <sub>2</sub> – CuO nanocomposites	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
32.	P.Meena II M.Sc. Chemistry	Synthesis, Characterization and Photodegradation of Nanoparticles	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
33.	B.Rajalakshmi S.Ganesh Prabhu W.Selvamun	Revisiting of curcumin in synthesis and anticancer activity	Tamil Nadu State Council for Science and Technology



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	II M.Sc. Chemistry		(TNSCST), Chennai.
34.	V.Shanmuga priya C.Manmatha Kumar II M.Sc. Chemistry	Synthesis of metal nanoparticles and their anticancer activity	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
35.	P.Jeyanthi V.Kalidass II M.Sc. Chemistry	Host – guest Chemistry of $\beta$ – cyclodextrin inclusion complexes	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
<b>2020 - 2021</b>			
36.	A.MuthuMalathi M.Maha Lakshmi R.ThangaPandi II M.Sc. Chemistry	Synthesis, Characterisation and photo-catalytic application of ternary metal nano composite	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
37.	M.Muthumani D.Raja M.ManthiraMoorthy II M.Sc. Chemistry	Fabrication of metal sulphide-metal oxide heterogenation and its environmental applications	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
38.	M.Birundha P.Murugeswari R.PothigaiVendhan II M.Sc. Chemistry	One pot three component synthesis of spiroindeno furan and its in-vivo and in-silico analysis	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
39.	C.Karthikeyan J.Ragu Ram II M.Sc. Chemistry	Design and development of disc shape donars and inorganic acceptors for hybrid organic, inorganic solar cells	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
40.	M.Bhavani V.Padmadharshini P.Yuvarani II M.Sc. Chemistry	Synthesis and catalytic applications of $CU_3$ (BTC) $2MOF$	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
41.	S.Hareram V.VenkateshPrasath II M.Sc. Chemistry	Synthesis, Characteri-sation and the study of biological activity of o-phenylenediamine based Schiff base and their transition metal complexes	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
42.	S.Shanmugapriya S.Mariselvi II M.Sc. Chemistry	Green synthesis of nanoparticles and analyse its antimicrobial activities in pond water	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.



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43.	C.Karolin shobina II M.Sc. Botany	Conservation Attempt on Santalum album L. (Indian Sandalwood) A Vulnerable Tree through Micropropagation	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
44.	P. Kalaimathi II M.Sc. Botany	Chromatographic Separation and GC-MS Analysis of Bioactive Compounds from Leaf Essential Oil of Eugenia rottleriana Wt. & Arn. and Its Antimalarial and Antimicrobial Activity	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
45.	T. Vijayamuthu II M.Sc. Botany	Ecological status and Economical importance of Cucurbitaceae family in Virudhunagar district, Western Ghats of Tamilnadu	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
46.	R. Kavitha II M.Sc. Botany	Studies on weed infestation of soe agricultural fields on Virudhunagar district, Tamil Nadu	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
47.	M.Gayathri & V.Kartheeswari II M.Sc. Botany	Interaction potential of plant associated bacteria: Degradation of heavy metals in crop field	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
48.	V.Kartheeswari II M.Sc. Botany	Glomalin Production of ArbuscularMycorrhizal Fungi colonizing Heavy metal Polluted site of Tirupur, Taminadu	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
49.	R.Subasree II M.Sc. BT	Bioabsorption study for Barium Chloride	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
50.	M.Nandhini II M.Sc. BT	Determination of Bacteriocin produced by Lactobacillus spp. Isolated from Indian dairy products and their antibacterial activity against food bone pathogens	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
<b>2021 - 2022</b>			



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51.	S.Prabhu, II M.Sc. Chemistry	Designing, development and computational studies of disc shaped Zn porphyrin donors for organic solar cell application	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
52.	S.Gokila, II M.Sc. Chemistry	Designing and development and compare earth dopped transition metal oxide in solar cell application	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
53.	B.Pavithra II M.Sc. Chemistry	Synthesis of bimetallic nanoparticles and its antimicrobial activities	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
54.	G.Manimala, II M.Sc. Chemistry	Environmental impact assessment of Erbium (III) oxide catalysit	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
55.	S.Gowsalya, II M.Sc. Chemistry	Synthesis, Characterization and biological studies of nano particles	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
56.	B.Veeralakshmi II M.Sc. Chemistry	Evaluation of environmental impact of WO <sub>3</sub> nano particle to waste water	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
57.	P.Mariammal II M.Sc. Chemistry	DFT analysis of substituted chalcone and its Greener synthetic route	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
58.	R.Sridhar II M.Sc. Chemistry	Ecofriendly synthesis of Xantane and its derivative	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
59.	P.Amsapriya & J.Kavitha, II M.Sc. Chemistry	Antimicrobial studies of schiff base metal complexes derived from 1, 4 - Naphhaquinone and biphenylamine	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
60.	A.S.Latha, II M.Sc. Chemistry	Cyclic voltametry investigation of Flavo-noids interact with DNA	Tamil Nadu State Council for Science and Technology



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			(TNSCST), Chennai.
61.	T.Murugalakshi II M.Sc. Chemistry	Extraction of newer drug from medicinal plants and screening for their biological activities	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
62.	P.Sathyamoorthy, II M.Sc.(Chemistry)	Biological studies on transition metal complexes containing nitrogen donor ligands	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
63.	V.Rajasulochana, II M.Sc. Chemistry	Extraction of bioactive synthesised from medicinal plant	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
64.	M.Kiruthikapandi, II M.Sc. Chemistry	Comparative study of anticancer potential of green synthesized metal nanoparticle	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
65.	M.Ashokkumar, II M.Sc. Biotechnology	Screening and characterization of microorganisms isolated from the cow dung for the biofertilizer production	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
66.	J.S Jeyaruby, II M.Com	Impact of online learning system among college students	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
<b>2022 - 2023</b>			
67.	N.Kandhasamy J.Prince – III BCA	Smart Alarm Application using Thermal Sensor	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
68.	K. Maheswari, II M.Sc. Botany	Isolation of plant growth promoting rhizobacteria from plant rhizosphere soil for plant disease management	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.





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69.	Pandiselvi, II M.Sc. Botany	Analysis of Bacterial communities in heavy metal contaminated soils of Virudhunagar District, Tamilnadu, India	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
70.	C. Selvakumar II M.Sc. Chemistry.	Solvothermal synthesis of a novel V2O5 nanosheets for the photocatalytic degradation of Norfloxacin	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
71.	P. Jeyasri II M.Sc. Chemistry	Environmental synthesis, characterization and biological studies of nanocomposites	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
72.	A.Povammal II M.Sc. Chemistry	Cyclic Voltammetric investigation of flavonoids interact with ct-DNA	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
73.	M. Revathi II M.Sc. Chemistry	A visible light driven Indium vanadate nanoflowers for the photocatalytic degradation of ciprofloxacin	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
74.	M. Kuttikaruppan II M.Sc. Chemistry	A visible light driven Vanadium Oxide nanosheets for the photocatalytic degradation of ciprofloxacin	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
75.	M. Ashok kumar II M.Sc. Chemistry	Biological evaluation, molecular docking and DNA interaction studies of coordination compounds Gleaned from a Benzene-1,2-Diamine and 4-chlorobenzaldehyde	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
76.	J. Jeyakrishnan II M.Sc. Chemistry	Development and synthesis of nanoparticles using medicinal plants and its Applications	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.



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77.	R. Karuppasamy M. Palanikumar II M.Sc. Chemistry	DFT studies of structural activity relationship of sulfide compound and its Eco-friendly synthesis	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
78.	M. Mathankumar V. Yuvaraj II M.Sc. Chemistry	Organic synthesis of sulphur-Nitrogen compound by using homogeneous catalyst	Tamil Nadu State Council for Science and Technology(TNSCST), Chennai.
79.	S. Palanikumar II M.Sc. Chemistry	Dendritic architecture of starburst macrocyclictricarboxylrhodium (I) and platinum group metal complexes: Photophysical, theoretical studies and biological studies	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
80.	M. Parameswaran II M.Sc. Chemistry	Phytogenic and eco-friendly synthesis of biocompatible gold-silver(Au-Ag) nanobimetallics and their biological activities	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.
81.	K.Lakshmi Shobitha II M.Sc. Chemistry	Plant extract mediated eco friendly preparation of TiO <sub>2</sub> nanoparticles for photocatalytic degradation of methylene blue	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai.