

**DEPARTMENT OF SCIENCE AND HUMANITIES**

**PUBLICATIONS 2023**

S.No	Title of the Paper	Authors	Indexing	Impact Factor	Publisher
1	Analytical and numerical approaches to solve a system of nonlinear ordinary differential equations for the spread of dengue fever of with-in-host model.	Mr.D.Maheskumar	ESCI	0.5	Pushpa Publishing House
2	Fractional model of brain tumor with chemo-radiotherapy treatment	Mr.D.Maheskumar	SCIE	2.61	SPRINGER NATURE
3	Environmental Chemistry: Challenges and Solutions for Pollution Monitoring and Remediation	Dr D Santhosh Shanthakumar	Scopus	-	European Chemical Bulletin
4	Technology for Teaching and Testing English Language	Dr B Kogilavani	UGC	-	Juni Khyant
5	On Schur Complement of Interval Valued k- kernel Symmetric Block Fuzzy Matrices	Ms.T.Bhavani	WoS	2.452	Indian Journal of Natural Sciences
6	Interval Valued Secondary k- kernel Symmetric Fuzzy matrices	Ms.T.Bhavani	Scopus	0.164	AIP Conference Proceedings
7	Analytical and Numerical Solutions for Glial cells interactions between Immunotherapy and cancer cells.	Mr.D.Maheskumar	WoS	0.52	Communications in Mathematics and Applications
8	Mathematical Model of Brain tumor with Radiotherapy Treatment	Mr.D.Maheskumar	WoS	0.52	Communications in Mathematics and Applications

9	Role of mental fitness in our daily life: Implications for well-being and success	Ms.R.Shanthamani	UGC	-	SATRAACHEE
10	The physical manifestation of psychological trauma in Tonni Morrisson's "Beloved"	Ms.P.Jinsha	UGC	-	JUNI KHYAT
11	Empowerment of women in India	Ms.R.Shanthamani	UGC	-	SATRAACHEE
12	A study of Manju kapur's Custody from a feminist perspective.	Ms.Jinsha P	UGC	-	SATRAACHEE
13	Regenerating Womanhood in Bhabhani Bhattacharya 's So Many Hungers! and Anita Nair's Ladies Coupe.	Ms.M.Gayathri	UGC	-	SATRAACHEE
14	Hunger in Kamala Markandaya's A Handful of Rice and Bhabhani Bhattacharya's So Many Hungers.	Ms.M.Gayathri	UGC	-	SATRAACHEE
15	Empowerment of Women in Indigenous Badaga Community.	Dr.N.Venugopal	UGC	-	SATRAACHEE
16	A Robust Feminist Ideologies in Meena Kandaswamy's Novel "When I Hit You.	Dr.B.Kogilavani	UGC	-	SATRAACHEE
17	A Novel Mathematical approach for an automated estimation strategy in obstetrics using image processing techniques	Ms.P.Sheeba Ranjini	WoS	2.452	Indian Journal of Natural Sciences
18	Spectroscopic, microbial studies and in-vitro anticancer activity of Pyridine Schiff base ligand and its lanthanum complexes	Dr.N.Nalini	SCIE	1.9	Bulletin of Material Science

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**BOOKS/ BOOK CHAPTER PUBLISHED -2023**

<b>S.No</b>	<b>Title of the Book/Book Chapter</b>	<b>Authors</b>	<b>ISBN</b>	<b>Month /Year</b>	<b>Publisher</b>
1	Research Trends in Science and Technology Volume II” – Biotechnology and its Applications	Dr D Santhosh Shanthakumar	978-93-88901-71-0	July 2023	Bhumi Publishers
2	Matrices and Calculus	Dr.V.Parimala	978-81-965283-6-2	September 2023	SKRGC Publication

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**PATENT PUBLISHED –2023**

<b>S.No</b>	<b>Name of the Applicant(s)/ Assignee Name</b>	<b>Title</b>	<b>Patent filed date</b>	<b>Status</b>
1	Mr Sri Pragash M Mr. Deepanraj M Dr Ganesh R Dr V Manikandan	Single-Mouth, Dual Temperature compartment bottles	30.06.2023	Published
2	Mr Sri Pragash M Mr. Deepanraj M Dr Ganesh R Dr V Manikandan	Automated inflated safety upper vest	30.06.2023	Published
3	Mr Sri Pragash M Mr. Deepanraj M Dr Ganesh R Dr V Manikandan	Single-Mouth, Dual Temperature compartment bottles	2.11.2023	Issued

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**Funding Proposal Submitted**

S.No	Project Title	PI & Co-PI	Funding Agency	Budget	Date of Submission
1	Exploring the Efficacy Of Papaya Edible Oil In Preventing Dengue Fever: Novel Approach To Improving Public Health	Dr V Manikandan, Dr R Ganesh	Chief Minister Research Grant Govt of TN	17,18,370	13.03.2023
2	Analyzing the Role of Industry in Implementing the New Education Policy (NEP): Perception of Stakeholders	Dr. N. Nirmala Devi ,Dr.P.Shanmughapriya, P.Thennarasi and Dr.V.Parimala,	ICSSR	28,20,000	<b>21.07.23</b>
3	User Friendly Multi-Functional Exercising Machine For Elderly And Disabled People.	Dr R Ganesh, Dr V Manikandan,	Chief Minister Research Grant Govt of TN	25,56,244	13.03.2023
4	National Level Training On Science Behind Miracles	Dr V Manikandan, Dr R Ganesh	NCSTC	19,90,000	28.05.2023
5	Traditional And Novel Modes Of Hands-On Stemm & Demonstrations, Science Media & Scientific Literacy	Dr R Ganesh, Dr V Manikandan	NCSTC	23,07,000	28.05.2023

6	Celebrating Nsd And Nmd By State Councils And Depts	Dr R Ganesh, Dr D Vasanthakuma ri, Dr V Manikandan	NCSTC	8,95,000	31.05.2023
7	Evaluation of an Eco- friendly super hydrophobic Graphene Oxide based hrperbranched polyester metal coating for corrosion mitigation.	Dr.S.Prabu & Dr.K.R.Kanimozhi	TNSCST	3,30,000	12.8.2023



# **SRI KRISHNA COLLEGE OF TECHNOLOGY**

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## **DEPARTMENT OF SCIENCE AND HUMANITIES**

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### **SEED MONEY**

**Faculty Name: Dr.R.Ganesh**

**Title: Dual Compartment Water Heater cum**

**Cooler using Pilter**

**Amount : Rs. 54000/-**

**Faculty Name : Dr.P.Arunkumar,**

**Dr.D.Santhosh Shanthakumar**

**Title: A screening of Biomarkers and Analytes using disposable BioSensors.**

**Amount:Rs.90,000/-**