



AQAR 2023-24

## 3.2 Resource Mobilization for Research

### 3.2.2 Research Projects per Teacher

## Fwd: Award Letter for the Minor Research Projects - 2023-24

V.Bastin Jerome <drvbastin.jerome2812@gmail.com>  
To: dennisedward02@gmail.com

Fri, Feb 23, 2024 at 4:25 PM

----- Forwarded message -----

From: **RP Division ICSSR** <rpdivision@icssr.org>  
Date: Fri, 22 Dec, 2023, 8:47 pm  
Subject: Award Letter for the Minor Research Projects - 2023-24  
To: <drvbastin.jerome2812@gmail.com>

File No.ICSSR/RPD/MN/2023-24/OBC/  
174

Dated: 22<sup>th</sup> December 2023

Subject: Award Letter for the Minor Research Projects - 2023-24.

**Dear Dr. V. Bastin Jerome**

*"ICSSR extends warmest congratulations to you on successfully obtaining the award of Research Project as per the above Subject".*

With reference to your application with Expert Committee, regarding your project proposal for the minor *Research Projects*, the final selection is made on the basis of recommendations of the Expert Committee as follows:

Approved Title by the Expert Committee	<b>Study of Inclusive Fulfillment of Sustainable Development Goals (SDGs) towards Sustainable Agriculture Healthy Lives and Restoration of Ecosystems among Scheduled Tribes (ST) in Tamil Nadu</b>
Budget Approved ₹	<b>Rs.800000/- (Rupees Eight Lacs Only)</b>
Approved Duration of the Project (Months)	<b>12 Months</b>
First Instalment (50% of the awarded grant)	<b>Rs.400000/- (Rupees Four Lacs Only)</b>

Please note that this proposal is approved provisionally by the Competent Authority on the recommendations of the Expert Committee, and upon fulfillment of eligible criteria and other conditions, the Sanction Order along with detailed Budget in break-up will be issued after receipt of the below mentioned original documents:

- Undertaking (on non-judicial stamp paper of Rs.100/-) (Sample copy attached)
- Declaration (on non-judicial stamp paper of Rs.100/-) (Sample copy attached)
- Original forwarding Letter duly signed/stamped by statutory authority (Sample copy attached)
- Grant-in-aid bill (Pre-receipt) duly filled in for the first instalment (Sample copy attached), (The first instalment amount will 50% of the total awarded project grant)
- Photocopy of a letter / order / screenshot of your institution's website where your institution recognition by Central Govt. / State Govt. / UGC 12 B / 2 (f) status mentioned.
- Photocopy of Memorandum of Appointment / Appointment Order / Employment Letter / Proceedings copy of the Appointment in case of Applicants (Project Director / Co-PD) those who are working private institutions and other than Govt. Institutions.
- Photocopy of your Ph.D. Degree certificate

You are requested to send all the above mentioned original documents to the undersigned on or before 27.12.2023 to enable us to issue the formal Sanction Order as per the checklist

enclosed.

You are once again required to review the eligibility criteria in the guidelines and ensure that you fulfill all requirements, both as an individual and as an institution. If you have been awarded a project under any other programme of ICSSR, and the Sanction Letter for that project has been issued, you are requested to proceed with the earlier sanction and inform us accordingly. In this situation, the current award will not be considered operational. If you have already been awarded a project, and the sanction letter has not been issued yet, you may choose between the two awards and clearly inform us which project you would like to proceed with.

All the Payments and Transfers are to be done through EAT module of Public Financial Management System (PFMS)/ RBI Account, hence the institution has to open a dedicated account as per the notification of ICSSR for those that have not yet done so.

([https://www.icssr.org/sites/default/files/important\\_notice/2019-PFMS-Notification.pdf](https://www.icssr.org/sites/default/files/important_notice/2019-PFMS-Notification.pdf)).

In case of any issues / problems in execution of PFMS/ RBI Account, you may go through the video tutorial at <https://www.icssr.org/sites/default/files/pfms.pdf>.

Those Institutions' Bank Account registered under PFMS/ RBI Account must ensure that your account is linked with ICSSR Scheme - 0877 at PFMS portal. Those who have already registered and have the dedicated account or may have multiple accounts must ensure to provide the exact one so that the confusion can be avoided and faster transaction can be done.

**You are requested to consider the Date of Commencement of the study from 15<sup>th</sup> January 2024 onwards.**

Please note that title of this proposal has been approved by the Expert Committee(s) and any inquiries regarding these projects will be addressed only at the time of issuing the Sanction Order.

Regards,  
Research Projects Team  
ICSSR.

**NOTE :**

**i) No queries will be attended without quoting your FILE NUMBER in all your correspondences, please must quote your File number for all the Correspondences.**

**ii) All Publications resulting from the project should acknowledge the support of ICSSR in accordance with the rules of ICSSR for due completion of the Project.**

**iii) In case of any issues / problems in execution of PFMS linking for the payment transactions, visit: <https://icssr.org/pfms>**

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best wishes,

Dr. S N Chari

Deputy Director

In-charge | कार्यभारी

Research Projects Division| अनुसंधान परियोजना विभाग

Indian Council of Social Science Research| भारतीय सामाजिक विज्ञान अनुसंधान परिषद्

(Ministry of Education, Govt. of India) | शिक्षा मंत्रालय, भारत सरकार

Aruna Asaf Ali Marg, JNU Institutional Area, New Delhi - 110067.

Ph.: +91-11-26742351; 26716690; [chari@icssr.org](mailto:chari@icssr.org)

Tel. No. 91-11-26741849/50/51 (EPABX), Ext. 303; 290; 292; 297.



## **FORMULATION OF WOUND HEALING OINTMENT FOR DIABETIC PATIENTS DERIVED FROM ANTHOCYANIN LOADED SILICA DOPED NANOCOMPOSITES**

Reference No. : 162024003670

Saved By : Dr. G.Dayana Jeyaleela

[SERB Qualified Unique Identification Document: SQUID-1993-GJ-2467]

Saved Date : 10-Feb-2024

## PROPOSAL DETAILS

Dr. G.Dayana Jeyaleela

dayanajeyaleelag\_ch2@mail.sjctni.edu

Assistant Professor(Chemistry)

St. Joseph's College, Tiruchirappalli

Annamalai nagar, woraiyur, Tiruchirappalli, Tamil nadu-620002

### Technical Details :

<b>Scheme :</b>	SERB-POWER Grant		
<b>Research Area :</b>	Inorganic Chemistry (Chemical Sciences)		
<b>Duration :</b>	36 Months	<b>Contact No :</b>	+919003300640
<b>Date of Birth :</b>	12-Jan-1993		
<b>Nationality :</b>	INDIAN	<b>Total Cost (INR)</b>	20,25,000
<b>Is PI from National Laboratory/Research</b>	Yes		

### Project Summary :

The diabetic wounds are most complicated health issues in the 21st century because of the poor vascular supply, infection caused by the bacteria/fungus, deficiency or abnormalities of antioxidants and excessive oxidative stress. According to current statistics, one in every four diabetics might have foot ulcers. The DFU (foot ulcers) are severe wounds that may lead to amputation (foot). In general, the nanomaterials have outstanding anti-microbial, anti-inflammatory, and antioxidant abilities, which can extensively use in the treatment of diabetes-related wound healing. Different methods exist for the nanoparticle synthesis and are possess certain drawbacks. The green method is an alternative among all the methods. It is most bio-compatible, efficient, safe, and inexpensive method than conventional approaches. More importantly, plant extracts additionally function as stabilizing and reducing agents in the fabrication of nanomaterials. The green synthesized nanoparticles are excellent therapeutic agents for infections, malaria, hepatitis, cancer, and other chronic disorders. Even though, the purity of the synthesised nanomaterials is very poor, because of the presence of numerous phytochemicals in the extract may affect the purity of the nanoparticles. It may also influence the geometry, size, and functionality of the resulting nanomaterials. To overcome the shortcomings of existing chemical, physical, and green approaches to the synthesis of nanoparticles the current study emphasized the fabrication of ZnO, AgO and AuO nanoparticles by utilizing unique bioactive anthocyanins of Melia Dubia bark. Since medicinally active anthocyanins are used in the synthesis, the toxicity of the nanomaterials might be reduced, and it will also increase the pharmaceutical effects of nanocomposites. The utilization of specific bio-active anthocyanins in nanoparticle synthesis the additional impurities are reduced (controlled). To enhance the medicinal property of the nanoparticles the silica (have good anti-microbial activity) is doped with the synthesised nanoparticles. The synthesised nanoparticles were formulated into ointment using ointment base. Finally, the anti-microbial, anti-inflammatory, antioxidant and wound healing efficacy of the ointment is tested by In-vitro and In-vivo analysis .

### Objectives :

OBJECTIVES-1: Extraction and Separation of anthocyanin from the 70% ethanolic extract of Melia Dubia bark. OBJECTIVES-2: Optimization, Synthesis, Characterisation, and pharmacological activities of ZnO, AgO and AuO Nanoparticles mediated by anthocyanin fraction of Melia Dubia bark. OBJECTIVES-3: Nanoparticles which showed the highest Antibacterial, Anti-inflammatory, and Antioxidant properties will be Encapsulated with silica to enhance the medicinal potential of the nanoparticles. OBJECTIVES-4: Five formulations of silica encapsulated ointments (5 concentrations) will be prepared, and its Physicochemical parameters were evaluated. OBJECTIVES-5: In-vitro Antibacterial, Anti-inflammatory, and Antioxidant properties of five formulations will be tested. OBJECTIVES-6: The formulation which shows highest Antibacterial, Anti-inflammatory, and Antioxidant properties are further taken for In-vivo (animal model) evaluation of Wound healing properties.

### Keywords :

Melia dubia bark, Anthocyanin, Metal oxide nanoparticles, SiO<sub>2</sub> doped Metal oxide, In-vitro analysis, In-vivo analysis

### Expected Output and Outcome of the proposal :

Diabetic wounds are the most complicated health issues in the 21st century because of the poor vascular supply, infection caused by the bacteria/fungus, deficiency or abnormalities of antioxidants and excessive oxidative stress. The DFU (Diabetic foot ulcers) are a significant diabetic complication that leads to 84% of all diabetes-related lower limb amputations. The main aim of the study is preparation of nanomaterial-based ointments for wound healing. The research finding surely will end up with the wound healing ointment/cream especially for diabetic patients.

### Any other relevant information:


1. In the proposed research proposal the first objective of the work is completed if the proposal is granted it will be useful and meaningful to us. The final product i.e. nano-based ointment will be certified by CDSCO (Central Drugs Standards Control Organization) and it comes under national initiatives of the government (start-up). We also planned to start the women entrepreneurs start-up incubation center in our college.

### Suitability of the proposed work in major national initiatives of the Government:

Startup India, Innovate India

### Theme of Proposed Work:

Health, Materials

SNo.	CO-PI Details	
1		<p><b>Beatrice Dorothy</b> adorothybrice@gmail.com Assistant Professor(Data Science)</p> <p><b>St. Joseph's College, Tiruchirappalli</b> Annamalai Nagar, Woraiyur, TAMIL NADU, TIRUCHIRAPPALLI D.O.B : 26 Jan, 1980</p>





**தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்**  
**TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**

(Established by Government of Tamilnadu)  
Directorate of Technical Education Campus, Chennai - 600 025.

Phone : 044 - 2230 1428

Web : [www.tanscst.nic.in](http://www.tanscst.nic.in)

Telefax : 044 - 2230 1552

E-mail : [ms.tanscst@nic.in](mailto:ms.tanscst@nic.in) / [enquiry.tanscst@nic.in](mailto:enquiry.tanscst@nic.in)

**DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).**

Member Secretary

Ref: TNSCST/YSFS/BS/08/2022-2023 9407

04.07.2023

To  
Dr.A.Arun Viveke  
Assistant Professor  
Dept. of Chemistry  
St.Joseph's College  
Tiruchirapalli - 620 002

Sir / Madam,

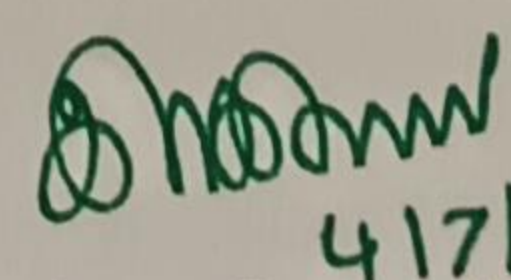
Sub : TNSCST – Young Scientist Fellowship – Selection – Intimated – Reg.

Ref : Chairman Approval dated 28.06.2023

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With reference to your application cited above, I am happy to inform you that you have been selected for the award of Young Scientist Fellowship for the year 2022-2023 for a period of 2 months subject to the following conditions:

- A total sum of **Rs.21550/-** towards fellowship for 2 months (Rs.20000/-) and II A/C travel fare (to and fro Rs.1550/-) from parent organization to the host institute, will be provided. If you travel in lower class, the grant is to be reduced correspondingly to the actual train fare.
- The training or collaborative research may be rescheduled and intimated to the Council. It should be completed before the end of **December, 2023**.
- At the end of the programme, two copies of the research report along with the Certificate from the host Institution should be submitted.
- Two Copies of the utilization certificate in the prescribed format and receipt of the train fare should be submitted to the Council as soon as you join duty after completion of the programme.
- Fellowship will not be paid if you avail any leave other than the casual leave during the training period.
- Date of relief and date of joining at the parent institution should be intimated to the Council.
- Your acceptance of this offer as per the conditions above should be informed to the Council on or before **25.07.2023** with details along with reschedule plan.
- Kindly provide your Institutional Bank account details such as Name of the A/C, Account Number, Account type (SB or CA), IFSC Code, Name of the Bank, Branch.

Yours faithfully,

  
4/7/23

Member Secretary.

Copy to:  
The Principal  
St.Joseph's College  
Tiruchirapalli - 620 002





தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்  
TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

(Established by Government of Tamilnadu)  
Directorate of Technical Education Campus, Chennai - 600 025.

Phone : 044 - 2230 1428

Web : www.tanscst.tn.gov.in

Telefax : 044 - 2230 1552

E-mail : ms.tanscst@nic.in / enquiry.tanscst@nic.in

**DR. R. SRINIVASAN**, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).

Member Secretary

Letter No: TNSCST/YSSP-2022-23/DR/2023/CM

508

24.11.2023

To  
The Principal,  
St. Joseph's College,  
Tiruchirappalli – 620 002.

Sir / Madam,

Sub: Young Student of Scientist Programme 2022-2023 –Co-ordinator Meeting –  
reg.

Ref: Out letter No.TNSCST / YSSP/ DR /2022-2023, dated 09.11.2023

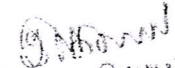
\*\*\*\*

With reference to the above, I am happy to inform that, it is proposed to conduct Young Student Scientist Programme (YSSP) for the students of **Tiruchirappalli and Pudukkottai** district at your College, during the month of December 2023. The approval and programme details have been already communicated to you vide our letter dated 09.11.2023 given in the reference. A sum of Rs.3.00 lakh has been allocated for this programme.

In this regard, I am happy to inform that the meeting of YSSP Co-ordinators is to be conducted on **30.11.2023 at 11.00 a.m.** at the Conference Hall of the Council Office, DOTE Campus, Chennai – 600 025. Therefore, I request you to kindly send the YSSP Co-ordinator of your Centre for the above meeting. Guidelines for conduct of YSSP will be provided and other details will be discussed at the above meeting.

Kindly send the institutional account details such as Account Number, Name of the bank, Name of the Branch, IFSC Code etc., for the release of grant.

Yours faithfully,

  
Member Secretary

✓  
Copy to:  
Dr. A. Rose Venis,  
Associate Professor Department of Chemistry  
St. Joseph's College,  
Tiruchirappalli – 620 002.



Ref:

Date: 15-05-2023

**Sanction Order**

To,  
The Registrar/Principal/Financial Authority,  
Through Dr. DINAKARAN S  
St. Joseph's College (Autonomous), Tiruchirappalli

**Subject: Collaborative Research Scheme(CRS) Project of UGC-DAE CSR entitle "** by Dr. DINAKARAN S.

Dear Madam/Sir,

In continuation to our sanction letter the CRS project submitted to UGC-DAE CSR by **Dr. DINAKARAN S** of your institution has been approved by the competent authority. The principal collaborator from UGC-DAE CSR is **Dr. Gopal M. Bhalerao**. The details of the remittance are given below:

Student fellowship(@ ₹14,000/- pm+HRA)	Consumable	Contingency	Total Amount	Date of remittance	PFMS Ref. No.
₹0	₹30,000	₹15,000	₹45000	2022-03-30	SBIN123096213387
No overheads are available under this scheme					

This project has been approved as per the guidelines given below:

1. This is a Collaborative Research Scheme (CRS) of UGC-DAE CSR. In view of the complex and involved nature of the experiments, any publication emerging under the project must be of collaborative in nature with due consents from the scientists at UGC-DAE CSR and/or DAE centres, and in consultation with the Principal Collaborator/Coordinator. Following phrase must be included in the acknowledgement: "This work was partially/fully carried out using the facilities of UGC-DAE CSR. The authors acknowledge the financial support from UGC-DAE CSR through a Collaborative Research Scheme (CRS) project number ."
2. This project is sanctioned for **one year** but it may be extended on yearly basis subject to a total period of three years.
3. In case the CRS project has been approved without student fellowship, it will not be possible to grant student fellowship in subsequent years as well.
4. The PI must '**Apply for an Experiment Time**' through our online user portal <https://csruserportal.com/> for utilization of each experimental facility each time.
5. The project will be reviewed at the end of each year to consider sanction and financial allocation for the succeeding year.



**தமிழ்நாடு அறிவியல் தொழில்நுட்ப மாநில மன்றம்**

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**DR. R. SRINIVASAN, M.Sc., Ph.D., F.I.C.S., M.A.C.S. (USA).**

Member Secretary

Ref: TNSCST / STP /Presentation/ES/2022-2023

08.01.2024

To  
Dr.V. Swabna  
Assistant Professor  
Dept. of Biotechnology,  
St. Josephs College,  
Tiruchirapalli 620 002  
9791506863  
[swabna\\_bt2@mail.sjctni.edu](mailto:swabna_bt2@mail.sjctni.edu)

Sir / Madam

Sub: Tamilnadu State Council for Science and Technology– S&T Project proposal entitled “Ecoplastics: Microbes crafting tommorow's sustainable solutions” – Presentation before Expert Committee - Intimated- Reg.


With reference to the above, I am happy to inform that above mentioned project proposal has been selected for presentation before Expert Committee constituted for the discipline of **Environmental Sciences**.

- The meeting has been scheduled to be conducted on **12.01.2024** at **10.30 a.m.** in **Online mode**.
- You are requested to make a presentation for about **10 minutes** through PPT on salient features of your proposal such as the back ground, plan of work, facilities available at your institution, its relevance importance, to our State, budget etc.
- Presentation will be followed by Question answer / discussion for about **5 minutes**
- The link for the meeting will be sent to you through email a day or two before the meeting.
- The meeting platform is **Webex**
- You are requested to login by 10.15 pm

Yours faithfully,

  
Member Secretary

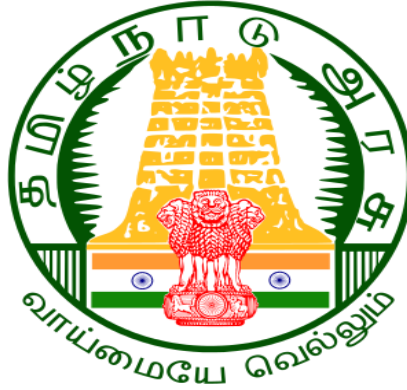


ORIGIN		TRZ		DESTINATION:		DATE :- 16/08/2023													
FROM:		Dr. S. Santiago St Joseph's college Trichy		TO, Member Secretary Tamil Nadu State Council for Science & Tech. DCE Campus Chennai		<table border="1"> <tr> <td>Pieces</td> <td>..</td> </tr> <tr> <td>Wt.</td> <td>KG.</td> </tr> </table>		Pieces	..	Wt.	KG.								
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**Submission of Research Proposal**

**Under**

**SCIENCE AND  
TECHNOLOGY  
PROJECT SCHEME**



**TAMILNADU STATE COUNCIL FOR  
SCIENCE AND TECHNOLOGY**

**DOTe Campus, Chennai – 600 025**



## APPLICATION FOR SCIENCE & TECHNOLOGY PROJECTS

(4 Copies to be submitted)

1	Title of the Project	:	Enhancing Jasmine Cultivation Through Artificial Intelligence for Precision Agriculture: A Case Study in Tamil Nadu, India
2	Discipline under which the project is to be considered	:	Agriculture Sciences
3	Name & Designation of the Principal Investigator	:	Dr. S. Santiago Assistant Professor in Computer Science
4	Postal Address of the Principal Investigator	:	Department of Computer Science St.Joseph's College (Autonomous) Tiruchirappalli - 620002
5	Name, Designation and address of Co-investigator if any	:	Dr. I.Priya Stella Mary Assistant Professor in Data Science Department of Data Science Tiruchirappalli - 620002
6	Contact Phone numbers (Office and residence) of PI & Co-PI along with, email id	:	9688441591 <a href="mailto:ssantiajosj@gmail.com">ssantiajosj@gmail.com</a> 9994572305 priyastellamary_ds2@mail.sjctni.edu
7	Name of the Institution/Organization in which the project will be carried out	:	St.Joseph's College (Autonomous) Tiruchirappalli - 620002
8	Name of other Institution(s) Organization(s) involved in the Project	:	NIL
9	Duration of the Project (Maximum 2 years)	:	2
10	Total Cost of the Project Proposal (details to be furnished in the prescribed format)	:	Rs.4,96,000/-
11	An abstract, not exceeding one page describing the background, objectives, methodology & year wise budget	:	Enclosed separately
12	Details of the project proposal including the State-of-the art of the subject, the work already done in this area in India or elsewhere, and defining clearly the objectives and methodology and year wise phasing of the project.	:	Enclosed separately
13	Brief bio-data of the Investigator(s)	:	Enclosed separately
14	Facilities available at the Institution/organization to carry out the project	:	Enclosed separately
15	Social relevance and usefulness of the project	:	Enclosed separately

16	Whether the same Investigator(s) is / are receiving funds from any Other agencies If yes, Title of the Project Agency Amount Details of projects already carried out, if there is any	:	No
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Place : Tiruchirappalli

Date : 16.08.2023

Signature of the  
Investigator(s)

Signature of the Head of the  
Department

**With Seal**

Signature of the Head of the  
Institution

**With Seal**



## DETAILS OF BUDGET ESTIMATE

(Amount in Rs.)

Sl.No	Details	I Year	II Year	Total
A	<b>Salaries &amp; Wages</b> Research fellow (@Rs.10000/pm)* OR Technical Assistant (@Rs.5000/pm)*	<b>1,20,000</b>	<b>1,20,000</b>	<b>2,40,000</b>
B	i. <b>Equipment</b> (only project specific minor equipment)	<b>75,000</b>	<b>50,000</b>	<b>1,25,000</b>
	ii. Details of major equipment / facilities expected to be available with institution	<b>NIL</b>		
C	<b>Consumables</b> <sup>^</sup>	<b>33,000</b>	<b>30000</b>	<b>63,000</b>
	<b>Total</b>	<b>2,28,000</b>	<b>2,00,000</b>	<b>4,28,000</b>
D	<b>Travel</b>	<b>20,000</b>	<b>18,000</b>	<b>38000</b>
E	<b>Total of A+B+C+D</b>	<b>2,48,000</b>	<b>2,18,000</b>	<b>4,66,000</b>
F	<b>Institutional overhead charge</b> (Maximum of Rs.15000/peryear)	<b>15,000</b>	<b>15,000</b>	<b>30,000</b>
G	<b>Total Cost of Project</b>	<b>2,63,000</b>	<b>2,33,000</b>	<b>4,96,000</b>

Signature of the Investigator(s)

Signature of the  
Head of the Institution

\*Depending on the nature of work **only one**, either Research Fellow (P.G.in science /U.G in professional course) or a Technical Assistant (U.G.in science/diploma in professional course) may be proposed. Both positions may not be proposed together in one project.

<sup>^</sup>Project specific consumables are to be included



## INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH

### Major/Minor Projects

		
Apply under	Major	
Board Discipline	Environmental Studies	
<b>I. Personal Information of the Project Director (PD)</b>		
1. Name (as mentioned in the official records of your Institution)	M Kriushanth	
2. Official Address for communication as per affiliating institution :	Assistant Professor, Department of Data Science, St. Joseph's College (Autonomous), Tiruchirappalli Data Science 9789169675 krishiaf11@gmail.com Tamil Nadu 620002	
3. Permanent Address :	No 458, Thanjavuran Savadi, Kavarapalayam Post, Andimadam Taluk Tamil Nadu 608901	
4. Date of Birth (DD/MM/YYYY) :	25/02/1987	
5(a). Mother's Name :	M Julie	
5(b). Father's Name :	A Maria Doss	
6. Employer Details :	Designation: Assistant Professor Employment status: : Permanent Name: St Joseph's College (Autonomous) Address: Tiruchirappalli Mobile Number: 9789169675 Email: krishiaf11@gmail.com Website: <a href="https://sjctni.edu/">https://sjctni.edu/</a>	
7. Indicate your category :	Category:OBC, Gender: Male, Person with Benchmark Disability: No	



8. Whether received any financial assistance from ICSSR	No
9. Whether received any assistance/project from any other institution e.g. UGC, ICAR, CSIR, ICPR, ICHR, etc. :	No
<b>II. Educational Qualifications</b>	

Name of Degree	Name of the University	Year of Passing	% of marks	Disciplines
Master's	Thiruvalluvar University	2010	70	Computer Applications
M Phil				
Ph D.	Bharathidasan University	2018	NA	Computer Science
Post-Doctoral			NA	
Title of the Ph. D		Dynamic Rules for Effective Auto-scaling in Cloud Environments		
Salient features of your Ph.D. research work		Dynamic auto-scaling is a cloud computing technique that automatically adjusts the number of resources allocated to an application based on its current demand. This can help to improve application performance and reliability, while also reducing costs. Dynamic auto-scaling rules are the criteria that determine when and how resources are scaled. These rules can be based on a variety of metrics, such as CPU utilization, memory usage, or request latency. Effective auto-scaling rules are those that are tailored to the specific needs of the application and its workload.		
III- Research Output of Project Director				
(a). Experience				
	Number			Brief Detail (Title and supporting Institution)
Projects Completed (Maximum 5)		0		NA

Ongoing projects, if any (with completion date)	0	NA
Fellowships	0	NA
Ph.D Guidance	0	NA
M.Phil Guidance	0	NA

**b. Participation in Research Projects (also mention under which capacity).**

NA

**c.Details of 5 best Research Papers/ Books/ Chapters (attach/submit hard copies):**

Sl No.	Title of the publication	Name of the Journal / Publisher	Month, Year and Vol.	Scopus Indexed / UGC CARE listed? (Yes/No)
1.	A State-of-Art Load Balancing Algorithms in Cloud Computing	International Journal of Computer Application (IJCA)	06, 2014 and 95	No
2.	Load Balancer Behavior Identifier (LoBBI) for Dynamic Threshold Based Auto-scaling in Cloud	International Conference on Computer Communication and Informatics (ICCCI -2015), IEEE	08, 2015	Yes
3.	A Cluster Based Services for Load Balancing in Cloud Environment	National Conference on Data Sciences and Engineering (NCDS – 2014)	08, 2014	No
4.	Cost Aware Dynamic Rule Based Auto Scaling of Infrastructure as a Service in Cloud Environment	International Conference on Advanced Computing & Communication Technologies for High Performance Application (ICACCTHPA'14)	06, 2014	No
5.	Load Pattern Identifier (LoPI) for Threshold Based Auto-scaling in Cloud Environment	International Journal of Emerging Research and Technology (IJERT)	10, 2015	No

**d. Any other important Academic Achievement (approx. 100 words)**

Published many research articles in International Journals and Conferences, Board of Studies member, Acted as a resource person for various events, Active various academic bodies member and completed various MOOC courses.

**IV. Affiliation Details**

Name of the affiliating institution



St. Joseph' College (Autonomous), Tiruchirappalli		
Postal address of affiliating institution :	College Road, Near Chatram Bus Stand , Tamil Nadu , 620002	
Phone Number	9789169675	
Email ID	krishiaf11@gmail.com	
Website	https://sjctni.edu/	
Type of affiliating institution :	Affiliated College/Institution under UGC (2)F/12 (B)	
<b>V. Details of Co-Project Director (Co-PD) (maximum 2 and attach CV as per given proforma)</b>		
Name	Present Position	Department, Name of the Institution, full address with Mobile Number and email ID
<b>VI Project Proposal</b>		
<b>(i) Title of the Project Proposal :</b>		
IoT-Driven Data Analysis of Soil Pollution in Tiruchirappalli District Cauvery Delta		
<b>(ii) Total Grant expected for this study (in Rs.)</b>		
1560000		
<b>Declaration</b>		
✓ I hereby declare that:	<ul style="list-style-type: none"> <li>• I am not a defaulter of any previous ICSSR grant.</li> <li>• I have not availed ICSSR pay protection scheme previously.</li> <li>• I have neither been subjected to any disciplinary action nor found guilty of any criminal offence in my career.</li> <li>• The Research Proposal and its contents are entirely original and as per the standard practice</li> <li>• I have not concealed any information in my fellowship application. If ICSSR finds any contrary information at any stage, it may cancel my fellowship out rightly and/or penalize me as per ICSSR rules.</li> </ul>	
Place :	Tiruchirappalli	
Declaration Date :	18/10/2023	

Signature :

A handwritten signature in black ink, appearing to be 'R. S. S.', is written over a faint, rectangular official stamp.

**Annexure/Checklists**

(✓) Forwarding letter from the Head of the affiliating Institution duly stamped and signed on the letter head. .

Self-attested SC/ST certificate or certificate of disability issued by the competent authority, if required.

Indian Council of Social Science Research