

F. No: V-174/2014-15/414-NMCG
National Mission for Clean Ganga,
Ministry of Water Resources, River Development & Ganga Rejuvenation

First Floor,
Major Dhayan Chand National Stadium,
India Gate, New Delhi-110001
Date: 21st March 2022

Office Memorandum

Subject: Constitution of Monitoring Committee for the project
"Treatment of Panipat Drain, Panipat using bioremediation" - reg.

National Mission for Clean Ganga (NMCG) has sanctioned a project of "Treatment of Panipat Drain, Panipat using bioremediation" to M/s Organica Biotech Pvt Ltd. at an estimated cost of Rs. 2.49 Crore for a period of one year.

2. For monitoring the project implementation, including work plan, a Monitoring Committee has been constituted with following composition:

S. No.	Official	Role
1	Executive Director - Technical, NMCG	Chairman
2	Representative from Panipat Municipal Corporation	Member
3	Representative from Central Pollution Control Board	Member
4	Representative from Haryana Pollution Control Board	Member
5	Dr. Ramendra Pati Pandey, SRM University, Sonapat, Haryana	Third Party Inspection Agency

3. Additional subject experts may be invited as members of the Monitoring Committee, with approval of the Chairman.

4. Sitting fee for the Non-Official members will be as per O.M. No. 19047/102016-E-IV of Ministry of Finance, Department of Expenditure issued on 12.04.2017. TA/DA to the members may be provided members as per prevailing rules of NMCG (Grade - A equivalent) or as per the rules of their individual organizations.

5. It is requested that nomination/ acceptance may kindly be conveyed to NMCG at the earliest, preferably within a week of receiving of this letter.

6. This is with the approval of the competent authority.



(Neeraj Gahlawat)

Project Officer - Technical

To,

1. Member Secretary, CPCB, Parivesh Bhawan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-110032
2. Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula, Haryana.
3. Municipal Commissioner Panipat, Tau Devi Lal Complex Railway Road, and Palika Bazar office, Panipat, Haryana
4. Regional Officer, Panipat region, Haryana State Pollution Control Board (hspcbropr@gmail.com)
5. Prof. V. Samuel Raj, Director & Dean Academics, SRM University Delhi-NCR, Sonapat, Haryana

Copy to (for Information):

1. PS to Director General, NMCG, New Delhi
2. PS to all EDs, NMCG, New Delhi
3. Dr. Ramendra Pati Pandey, Assistant Professor, Microbiology (In-Charge), SRM University Delhi-NCR, Sonapat, Haryana
4. Sanction Folder/ Guard File/MIS, NMCG



(Neeraj Gahlawat)

Project Officer - Technical



रेवती विश्वनाथ
Revathy Vishwanath
उप निदेशक
Deputy Director
Tel #011-26716690
E-mail: rpsicssr@gmail.com

Speed Post/By Hand
तीव्र डाक/ हस्ती

भारतीय सामाजिक विज्ञान अनुसंधान परिषद
Indian Council of Social Science Research
(शिक्षा मंत्रालय)
(Ministry of Education)
जेएनयू इंस्टीट्यूशनल एरिया, अरुणा असफ अली मार्ग
JNU Institutional Area, Aruna Asaf Ali Marg
New Delhi – 110067
Website: www.icssr.org

SANCTION ORDER

F.No. 02/59/GN/2021-22/ICSSR/RP/MJ

Dated:25-03-2022

To,

The Registrar
Guru Jambheshwar University of Science &
Technology, Hisar,
Haryana-125 001

Subject: Sanction of **Major Project** entitled “**Effectiveness and Accessibility of Pubic Service Delivery Across Information and Communication Technologies (ICTs) in Rural Development of Haryana**”, **Dr.Rajiv Kumar**, Associate Professor, Guru Jambheshwar University of Science & Technology, Hisar, Haryana.

Dear Sir,

1. The Indian Council of Social Science Research (ICSSR) considered the above Research Major project submitted by **Dr.Rajiv Kumar**. Co-Project Directors of the study is: ---- **Dr. Pawan Kumar**, **Assistant Professor**, Faculty of Management, SRM University, Delhi-NCR, Sonipat, Haryana.
2. The ICSSR has sanctioned a grant-in-aid of **Rs.6,00,000** (Rupees Six Lakh Only) for the above research project and the grant will be released as follows:

First instalment @40%	:	Rs./- 2,40,000/-
Second instalment @ 20%	:	Rs./- 1,20,000/-
Third instalment @ 10%	:	Rs./- 60,000/-
Fourth Instalment @10%	:	Rs./- 60,000/-
Final instalment @15%	:	Rs./- 90,000/-
Publication Grant* @ 5-6%	:	Rs./- 30,000/-
Total	:	Rs./-6,00,000
Overhead charges over and above 5% or maximum Rs.1,00,000	:	Rs./-30,000/-

(* to be retained by the ICSSR. ICSSR would publish it subject to the recommendation by the expert and relevant Committees for the purpose, from the overall budget, so to be retained by the ICSSR).

**will be released on successful completion of project after evaluation.
(The break-up budget approved by the ICSSR of **Rs6,00,000** /- is enclosed.)

3. **The First installment** of the approved grant-in-aid will be released after receiving the grant-in-aid bill duly filled in, stamped and signed by the Project Director as well as the affiliating organization. (**GIB already received**).
4. In case, the study involves survey research, the finalized schedules/questionnaires (2 copies) designed to elicit information should be sent to the ICSSR as per the following schedule:
 - a) If the schedule /questionnaire for eliciting information is as per standard questionnaire, these will have to be sent to ICSSR immediately,
5. **The Second instalment** will be released after receiving a satisfactory six/nine/ twelve months Progress Report (depending on the duration of the programme), simple statement of account of first

[Handwritten signature]

instalment, published peer reviewed journal, along with grant-in-aid bill towards the second instalment.

6. **The Third instalment** will be released will be released after receiving second Progress Report (depending on the duration of the programme), simple statement of accounts of the second instalment, along with grant-in-aid bill towards the third instalment.
7. **The Fourth Instalment** will be released after receiving book length Final Report in soft copy (both word and PDF format), Executive Summary of Final Report in soft copy (both word and PDF format). 500 words abstract of the Final Report in soft copy, research papers published in peer reviewed journals duly acknowledging ICSSR, similarity index score sheet, simple statement of accounts of third instalment along with grant-in-aid bill towards the fourth instalment. Project Director is required to submit hard copies of the Final Report only after the confirmation from the ICSSR after incorporating the suggested changes. Such data or information relating to the research project as may be asked for by the ICSSR for preservation in its Data Archives should be given by the scholar.
8. **The Publication Grant** will be retained by the ICSSR & will be spent by the ICSSR Publication Division if the Final report is found publishable by an Expert Committee constituted by the ICSSR.
9. The scholar shall acknowledge support of ICSSR in all publications resulting from the project output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the ICSSR during its course and after completion.
10. **Final Instalment** will be issued after receipt of recommendation of the expert for acceptance of the Final Report, Audited statement of accounts (AC) in prescribed format with utilization certificate (UC) in GFR-12A form for the entire approved project amount duly signed by the Finance Officer/Registrar /Director of the affiliating Institution, verification of all documents and decision on retaining of equipment and books etc. The institutions of which the accounts are not audited by CAG/AG, their utilisation certificate will be signed by the Finance Officer and a chartered accountant.
11. The Overhead Charges to the affiliating institution will be released after the Final Report has been accepted and documents verified by the ICSSR. The ICSSR reserves the right to change the affiliation if it is found that the affiliating institute is not co-operating with the scholar and it is not facilitating timely completion of the study.
12. The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads and relevant rules. Audited Statement of accounts with Utilization Certificate in GFR of 12A form is for the entire project amount approved for the project.
13. The University/Institution of affiliation will provide to the scholar office accommodation including furniture, library and research facilities and messengerial services. For this, the ICSSR shall pay to the University/Institution of affiliation **overhead charges @5%** over and above or maximum **Rs.1,00,000** of the total expenditure incurred on the project only after successful completion of the project.
14. The Contingency Grant may be utilized for research and office assistance, books, stationary, computer cost, research assistance and the field work expenses of Project Director, Co-Project Directors and research personnel connected with the research work.
15. The overhead charges to the affiliating institution over and above @ 5% or maximum Rs.1,00,000 will be released only after successful completion of the project after evaluation. The accounts and the Utilization Certificate will be signed by the Finance Officer/Registrar/Principal/Director in the case of accounts of the institution are audited by CAG/AG. Otherwise, they need to be signed by the Finance Officer and the Chartered Account.
16. The Director of the research project will be **Dr. Rajiv Kumar** who will be responsible for its completion within **24 Months** from the date of commencement of the project, which is **15th March 2022** as intimated by the scholar.
17. In case, the Project Director does not submit the periodic / final project report as per schedule with adequate justification, the scholar may be debarred from availing all future financial assistance from ICSSR.
18. All grants from ICSSR are subject to the general provision of GFR 2017.

19. The Project Director will ensure that the expenditure incurred by him conforms to the approved budget heads. The grant-in-aid is subject to all the conditions laid down in the **Indian Council of Social Science Research (ICSSR) Research Projects available in the ICSSR website www.icssr.org**
20. The expenditure on this account is debatable to the **Budget Head-ICSSR (Scheme Code 0877); OH 31.09 Research Projects.**
21. All project instalments will be transferred through **Public Finance Management System (PFMS)** and ICSSR shall implement the EAT module for ensuring transparency of expenditure at all levels and to ensure that there is no parking of funds.
22. As per MoE (Ministry of Education) instruction, the amount of grant sanctioned herein is to be utilized by **the end of the project duration.** Any amount of the grant remaining unspent shall be refunded to the ICSSR immediately after the expiry of the duration of the project. If the grantee fails to utilize the grant for the purpose for which the same has been sanctioned/or fails to submit the audited statement of expenditure within the stipulated period, the grantee will be required to refund the amount of the grant with interest thereon @ 10% per annum.
23. Any instalment release is subject to availability of grant, and satisfactory progress report of the scholar. Mere award of the study does not entitle the scholar for the release of any of the instalments.

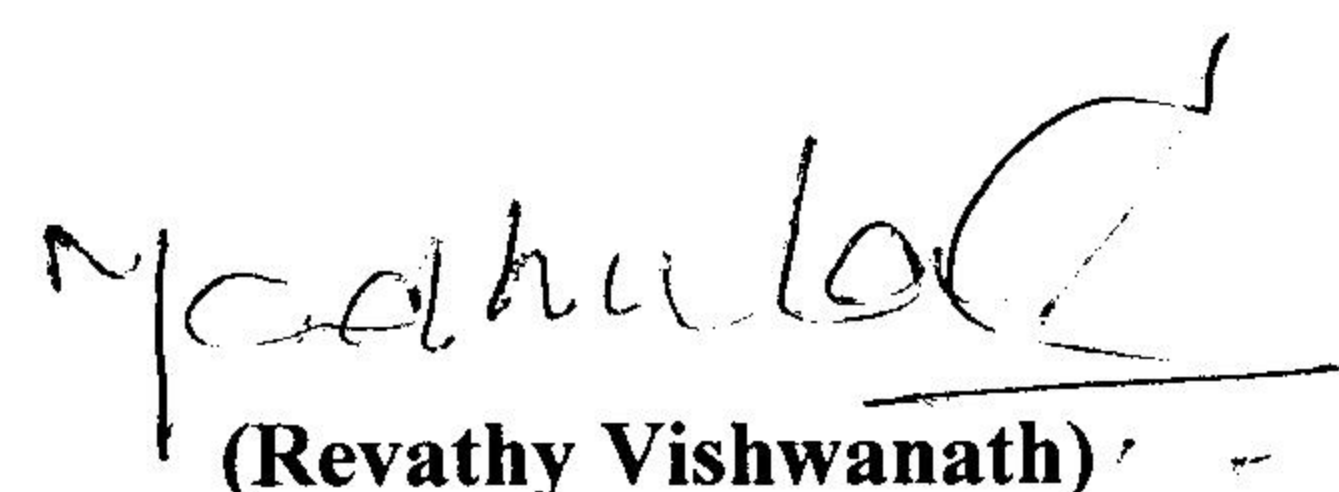
Yours faithfully,

(Revathy Vishwanath)
For MEMBER-SECRETARY

Encl: as above.

Copy to:

1. **Dr. Rajiv Kumar, Associate Professor,**
F-13, Haryana School of Business,
Guru Jambheshwar University of Science &
Technology, Hisar, Haryana-125 001
24. **Dr. Pawan Kumar, Assistant Professor,**
Faculty of Management,
SRM University, Delhi-NCR,
Sonipat, Haryana-131 029
2. **Finance Branch, ICSSR, New Delhi**
3. **Record file**

for 
(Revathy Vishwanath)
For MEMBER-SECRETARY

Title: Effectiveness and Accessibility of Public Service Delivery Across Information and communication Technologies (ICTs) in Rural Development of Haryana.

By: Dr. Rajiv Kumar

S.No	Heads of Expenditure	Value (Rs.)
1	Project Director/Co-PD	
2	Research Staff: Full time/part time/Hired services	Not exceeding 45% of the total budget.
3	Field work	Not exceeding 35%
4	Equipment and study material	Not exceeding 12%
5	Contingency	Not exceeding 5%
6	Publication of report -	approx.5-7%
	Grand Total	ICSSR will finally make it 100%
	Affiliating Institutional overheads over and above the grand total	(Affiliating Institutional overheads @ 5% of the approved budget, subject to a maximum upper limit of Rs.1,00,000/-)

- * The five percent (5-7%) publication amount will be spent by the ICSSR Publication Division if the Final report is found publishable by an Expert Committee constituted by the ICSSR.
- **Remuneration and Emoluments of Project Staff**

(a) Project staff could be engaged by the Project Director on a full/ part-time basis during the research work and the duration/consolidated monthly emoluments of their employment may be decided by the project director within the limits of the sanctioned financial allocation and as per the ICSSR rules (b) Research Associate @Rs.20, 000/- p.m. (Qualification – Post graduate in any social science discipline with minimum 55% marks and NET/SLET /M.Phil/Ph.D)(c) Research Assistant @Rs.16, 000/- p.m.(Qualification-Ph.D./M.Phil./ Post graduate in social science discipline with minimum 55% marks(d) Field Investigator @ Rs.15, 000/-p.m. (not exceeding 6 months) (Qualification- Post graduate in any social science discipline with minimum 55% marks)(e).Retrospective payment for work already done is not permissible.
 - **Re-appropriation:** The Project Investigator may with the permission of the Institution, re-appropriate expenditure from one sub-head to another, subject to a maximum of 5-7 % of the particular budget heads. If the study necessitates re-appropriation beyond 7%, it may be done only after the approval of the ICSSR
 - **Selection of Research Staff** should be done through an advertisement and a selection committee consisting of (1) Project Director; (2) One outside Expert (other than the institute where the project is located); (3) a nominee of the Vice Chancellor/Head of the Institution and (4) Head of the Department)/Dean of relevant faculty duly approved by the competent authority.
 - **For all field work related expenses** of Project Director, Co-Director and project personnel, rules pertaining to affiliating institutes shall be followed.
 - **All equipment and books** purchased out of the project fund shall be the property of the affiliating institutions. On completion of the study, the Project Director shall submit an undertaking in this regard. The ICSSR, however, reserves the right to take charge of equipment and books, if it thinks it fit in a case.
 - **Purchase of equipment/ assets** for the research Project is permissible only if it is originally proposed and approved by the ICSSR and does not exceed the permissible amount.
 - The scholar should acknowledge the support of ICSSR in all publications resulting from the programme output (Research Paper, Books, Articles, Reports, etc.) and should submit a copy of the same to the ICSSR during its course and even after completion.

Rajiv Kumar

**SAGe**


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Ramendra Pati Pandey

[Proposals](#)[Processes](#)[Personal Information](#)[Requests](#)**Visualize process contents**

To access the documents attached to the process, select the "Documents" tab to download to the files.

Process	2021/11936-3	Additional Information 
Funding Line	Special Programs / PCD - Programa Ciência para o Desenvolvimento / PCD - CCD - Centros de Ciências para o Desenvolvimento - Call for Proposal (2021)	
Status	Contract being finalized	
Duration	06/01/2022 to 05/31/2027	
Beneficiary	Benedito Barraviera	
Principal Investigator or Supervisor	Benedito Barraviera	
Host Institution	Centro de Estudos de Venenos e Animais Peçonhentos/CEVAP/UNESP	
Title	CENTER FOR TRANSLATIONAL SCIENCE AND BIOPHARMACEUTICAL DEVELOPMENT	

**Process
Identification**[Documents](#)

Type of Funding	Grant / Award		
Funding Line	Special Programs / PCD - Programa Ciência para o Desenvolvimento / PCD - CCD - Centros de Ciências para o Desenvolvimento / Call for Proposal (2021)		
Beneficiary	Benedito Barraviera	    	
Principal Investigator or Supervisor	Benedito Barraviera		
Start Date	01/06/2022	Duration	60 month(s)
Host Institution	Research Institution / Company: Centro de Estudos de Venenos e Animais Peçonhentos/CEVAP/UNESP Department: Unidade Complementar da UNESP		
Start Date	15/10/2021		
Research Category	Basic research with the main goal of advancing fundamental knowledge, but whose results have potential for technological applications.		
Electronic Forms: Research Project			

[Back](#)

Fwd: SERB-Notification

2 messages

HOD Physics <hod.physics@srmuniversity.ac.in>

Sat, Oct 29, 2022 at 2:16 PM

To: teaching@srmuniversity.ac.in

Cc: Dean Science & Humanities SRMUH <deansh@srmuniversity.ac.in>, Dean Academic Affairs SRMUH <deanacademic@srmuniversity.ac.in>, Vice-Chancellor SRMUH <vcsmh@srmuniversity.ac.in>, Registrar SRMUH <registrar@srmuniversity.ac.in>, Director Admissions <doa@srmuniversity.ac.in>

Dear all,

This is to inform you all with immense pleasure that **Dr Neeti Keswani**, Asst Prof of Physics Department is awarded with a **research grant** under the **TARE scheme of DST-SERB** for 3 years.

Project title: "Low-frequency electronic noise studies and device engineering in artificial spin ice architecture."

Reference no. **TAR/2022/000651**

With regards

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

From: **NEETI KESWANI** <keswani.neeti@gmail.com>

Date: Sat, Oct 29, 2022 at 2:00 PM

Subject: Fwd: SERB-Notification

To: hod.physics@srmuniversity.ac.in <hod.physics@srmuniversity.ac.in>

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

From: <SERB_Administrator@serbonline.in>

Date: Thu, Oct 6, 2022 at 12:40 PM

Subject: SERB-Notification

To: <serbinfo1@gmail.com>



Science and Engineering Research Board
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

Dated: 06-Oct-2022

Subject: Project titled "Low-frequency electronic noise studies and device engineering in artificial spin ice architecture"

Dear Ms. Neeti Keswani,

We are happy to inform you that your application cited above has been approved by the Science and Engineering Research Board for funding under **Teachers Associateship for Research Excellence (TARE)**. The following are the approved items for a period of three years.

Research Grant ? As per SERB-TARE norms

Fellowship ? As per SERB-TARE norms

Overhead Charges ? As per SERB-TARE norms

1. This approval letter is valid subject to the fulfilment of all the eligibility criteria for the TARE and submission of required documents.
2. You are requested to submit the joining report in the host institute and submit relevant documents within one month from the date of receipt of this letter. Projects requires ethical / biosafety / stem cell / wildlife clearances etc.candidate will be allowed to join the host institute only after acquiring such clearances.
3. The grant will be effective from the date of joining in the host institution.
4. Follow the norms of host and parent institutions while implementing the project. Please visit our website www.serbonline.in for the terms & conditions of the grant.

Kindly quote the reference number in all future correspondence. The reference no. **TAR/2022/000651** should be mentioned in all research outputs(publications/patent etc.) arising from the TARE grant.

Kindly follow the below steps only then you will be able to acknowledge the approval letter:

1. Go to www.serbonline.in through your credentials
2. Go to Menu --> Proposal submission --> View submitted proposals

A certificate stating that any visit abroad for a period more than eight weeks would be undertaken after due permission from SERB, may also be submitted.

Kindly upload RTGS details of the parent as well as host institute to facilitate transfer of the fund as per the template

Yours sincerely,

(Dr. Arvind Chaudhary)

Scientist D

Ms. Neeti Keswani

Dept Of Physics, SRM University, Sonapat

SRM University , Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex,Post Office P.s.ra, Sonipat, Sonapat, Haryana-131029



INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO CEARÁ
Av. 13 de maio, 2081 - Bairro Benfica - CEP 60040-531 - Fortaleza - CE - www.ifce.edu.br
TELECOMMUNICATION ENGINEERING PROGRAM - PPGET

Dear Dr. Puneet Goswami:

It is hereby stated and declared for all due purposes that Dr. Puneet Goswami is currently duly as the position of Postdoctoral Research Fellow at Federal Institute of Education, Science, and Technology of Ceará (IFCE), Fortaleza, Ceará, Brazil. The effective date of your appointment is February 01, 2022.

Your initial appointment is for a period of one year, and during the postdoc period; it is mandatory to publish two journal articles and two conference articles with IFCE affiliation. This appointment is also contingent upon you having your Ph.D. or equivalent terminal degree in hand by the start of this appointment.

I wish to have a great collaboration with you!

Fortaleza, February 1, 2022.

Sincerely,

Victor Hugo Costa Albuquerque

Professor and Advisor of the Telecommunication Engineering Program – PPGET

Federal Institute of Education, Science, and Technology of Ceará (IFCE)

Glendo de Freitas Guimarães

Coordinator of the Telecommunication Engineering Program – PPGET

Federal Institute of Education, Science, and Technology of Ceará (IFCE)



Documento assinado eletronicamente por **Glendo de Freitas Guimaraes, Coordenador(a) do PPGET**, em 21/02/2022, às 17:07, com fundamento no art. 6º, § 1º, do Decreto nº 8.539, de 8 de outubro de 2015.



A autenticidade do documento pode ser conferida no site https://sei.ifce.edu.br/sei/controlador_externo.php?acao=documento_conferir&id_orgao_acesso_externo=0 informando o código verificador **3454829** e o código CRC **03A4812D**.



INSTITUTO FEDERAL DE EDUCAÇÃO, CIÊNCIA E TECNOLOGIA DO CEARÁ
Av. 13 de maio, 2081 - Bairro Benfica - CEP 60040-531 - Fortaleza - CE - www.ifce.edu.br
TELECOMMUNICATION ENGINEERING PROGRAM - PPGET

Dear Dr. K. Ramkumar:

It is hereby stated and declared for all due purposes that Dr. K. Ramkumar is currently duly as the position of Postdoctoral Research Fellow at Federal Institute of Education, Science, and Technology of Ceará (IFCE), Fortaleza, Ceará, Brazil. The effective date of your appointment is February 01, 2022.

Your initial appointment is for a period of one year, and during the postdoc period; it is mandatory to publish two journal articles and two conference articles with IFCE affiliation. This appointment is also contingent upon you having your Ph.D. or equivalent terminal degree in hand by the start of this appointment.

I wish to have a great collaboration with you!

Fortaleza, February 1, 2022.

Sincerely,

Victor Hugo Costa Albuquerque

Professor and Advisor of the Telecommunication Engineering Program – PPGET

Federal Institute of Education, Science, and Technology of Ceará (IFCE)

Glendo de Freitas Guimarães

Coordinator of the Telecommunication Engineering Program – PPGET

Federal Institute of Education, Science, and Technology of Ceará (IFCE)



Documento assinado eletronicamente por **Glendo de Freitas Guimaraes, Coordenador(a) do PPGET**, em 21/02/2022, às 17:05, com fundamento no art. 6º, § 1º, do Decreto nº 8.539, de 8 de outubro de 2015.



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The Institution of Engineers (India)

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(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)

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A Century of Service to the Nation

Refno:220101324050

12-Aug-2022

PROF (DR) VINEET BAJAJ
HOUSE NO 94-C
POCKET - B
DILSHAD GARDEN
DELHI

110095

Email:phd.vineet.bajaj@gmail.com

Mobile:8800720037

Dear Member,

SUB: Letter of Election

We are pleased to inform that you have been enrolled as Fellow(Membership No: F-1291485) of this Institution and placed in CIVIL ENGINEERING Division. The list of Privileges and Code of Ethics for Corporate Members are available at our website www.ieindia.org. You will get the hard copy of your membership certificate and photo-id-card in due course.

However, if you have applied for Chartered Engineer Certificate, same will be sent along with above mentioned documents.

As per your address, you are attached to DELHI State Centre of The Institution of Engineers (India). Details of the contact information of the above Centre(s) is available at our website www.ieindia.org.

Please quote your membership number in all future correspondence with this office. You may update your contact information by logging in through our website www.ieindia.org. To avail the online facilities you are requested to create your login under the Sign-in option mentioned in the website. The password shall be sent to your registered email/mobile while creating the account. This will enable you to avail various online facilities.

For any query regarding membership , please contact us through :(033) 40106 299/268/269 or membership@ieindia.org.

With Regards,

Secretary & Director General

Note:This is an electronically generated document and hence is valid without any signature.



Hypobaric Hypoxia Society

(Regn. No. S/ND/971/2019 under Societies Registration Act XXI of 1860)
Registered Office: A-7D, DDA Flats, Munirka, New Delhi-110067, India

Arpana Vibhuti
Department of Biotechnology
SRM University
Delhi-NCR, Sonapat, India

Dear Dr Arpana Vibhuti,

We are pleased to invite you to the 6th international Leh symposium that will be held in Leh, Ladakh, India from May 23-27, 2022, in person. The venue is the Mahabodhi International Meditation Centre, which is about 10 km from Leh airport and located at an altitude of 3500 meters. The symposium will be organised under the aegis of 'Hypobaric Hypoxia Society (HHS)', India. Please visit for details the Symposium website <https://lehsymposium.in>. We cordially ask you to participate in this Symposium and deliver a talk of your interest giving a succinct insight.

The overall theme of the conference is on 'Lungs under normobaric and hypobaric hypoxia'. The symposium aims to stimulate discussions in the field of pulmonary vascular biology and related investigations involving normobaric and hypobaric hypoxia. We expect participants/experts with specialities including medicine, physiology, cardiology, neurology and basic sciences from around the world. The main objective of the Leh symposium is to promote work towards inspiring the participants both young and senior clinicians and researchers to build national and international research collaborations. It is here that the participation of an academic like you would be of much relevance.

Due to the Covid-19 pandemic that affected the global economy and most charities, the conference organizing committee is working hard to avail sponsorships; as well as we understand the official financial status of most of us towards attending conferences. Nonetheless, we would be pleased to offer you local hospitality i.e. 4-nights' accommodation with meals at the venue location, air-fare by economy class and a waiver of registration fee. If you prefer your own arrangement at other locations in Leh, then you may have to book directly. Yoga and meditation activities would be offered free to symposium guests.

All the attendees must be COVID-19 vaccinated. We earnestly hope that despite the SARS-CoV-2 issue and even financial constraints you would join us to make this event successful. May we request you to notify at the earliest.

We look forward to welcoming you in Leh!

Sincerely,

Dr. Qadar Pasha
Delhi, India

Dr. Max Gassmann
Zurich, Switzerland

Dr. Tashi Thinlas
Leh, Ladakh, India



CERTIFICATE



*International Online Conference on Nano Materials
Mahatma Gandhi University, Kottayam, Kerala, India*

12th to 14th August 2022

Organized jointly by



Wrocław
University
of Science
and Technology

*International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN) &
School of Energy Materials (SEM), Mahatma Gandhi University, Kottayam, Kerala, India
Gdańsk University of Technology, Gdańsk, Poland,
Wrocław University of Technology, Wrocław, Poland,
University of Lorraine, Nancy, France and
University of Johannesburg, Doornfontein, Johannesburg, South Africa*

This is to certify **Dr. Ramendra Pati Pandey, Biotechnology, Microbiology & Biomedical Engineering, Coordinator (R&D)SRM University Delhi-NCR, Sonapat, Rajiv Gandhi Education City, Haryana, India** has presented a paper (Invited Talk) at the International Online Conference on Nanomaterials (ICN-2022) held at Mahatma Gandhi University, Kottayam, Kerala, India. from 12th -14th, August 2022

**Prof. Dr. Sabu Thomas
CHAIRMAN ICN 2022**

Sponsored by:



Dated: 13-Jan-2022

ORDER

Subject: Financial Sanction under Teachers Associateship for Research Excellence (TARE) to **Dr. Prashant Kumar, SRM University , Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex,Post Office Ps.rai, Sonipat, Sonapat, Haryana-131029**- under the mentorship of Dr. Brajendra K Singh, at **University of Delhi New Delhi, Delhi - 110007**- Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned grant at a total cost of **Rs. 18,30,000/- (Rs. Rupees Eighteen Lakh Thirty Thousand only Only)** for a duration of 36 months.

The date of start of the project will be 04 December, 2021. The items of expenditure for which the total allocation of **Rs. 18,30,000/-** has been approved are given below:

The following budget is proposed for
SRM University , Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex,Post Office Ps.rai, Sonipat, Sonapat, Haryana-131029 (Parent)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 0 (@0/- per month (consolidated))
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

University of Delhi New Delhi, Delhi - 110007 (Host)

Sl. No.	Budget Head	Amount
1.	Fellowship	Rs. 60,000 (on completion of 90 days mandatory attendance in the host institute every year)
2.	Research Grant	Rs. 2,50,000/- per annum
3.	Overheads	Rs. 25,000/- per annum

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only)** to **SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office P.S.Rai, Sonipat, Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only)** to **University of Delhi New Delhi, Delhi - 110007** being the first installment of the grant for the year 2021-2022 for implementation of the said research project.

3. The expenditure involved is debitable to

Fund for Science & Engineering Research (FSER)

This release is being made under Teachers Associateship For Research Excellence (TARE). (Organic Chemistry)

4. The Sanction has been issued to with the approval of the competent authority vide Diary No. **SERB/F/6635/2021-2022** dated **04 January, 2022**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

8. The release amount of **Rs. 2,75,000/- (Rupees Two Lakh Seventy Five Thousand only)** will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

SRM University , Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex,Post office p.s.rai, sonipat, Sonapat, Haryana-131029 (Parent) :

PFMS Unique Code	SRMUH
Account Name	SRM University Haryana
Account Number	35723701835
Bank Name & Branch	State Bank of India MLNS of Sports Rai Motilal Nehru Sports School Village Rai Sonapat Haryana 131029
IFSC/RTGS Code	SBIN0006838
Email address of PI	prashanttomar972@gmail.com
Email id of A/C Holder	registrar@srmuniversity.ac.in
Email address of concerned officer	ms_tare@serbonline.in

The release amount of Rs. 3,35,000/- (Rupees Three Lakh Thirty Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

University of Delhi New Delhi, Delhi - 110007 (Host) :

PFMS Unique Code	duuniv
Account Name	The Registrar, University of Delhi Minor Project Young Scientists
Account Number	10851298593
Bank Name & Branch	State Bank of India Utility Centre Delhi University Branch, SBI Utility Centre DU Delhi 110007
IFSC/RTGS Code	SBIN0001067
Email address of PI	prashanttomar972@gmail.com
Email id of A/C Holder	registrar@du.ac.in
Email id of Mentor	Dr. Brajendra K Singh

9. Both the institutes will furnish Utilization certificate (UCs) financial year wise to the SERB and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

10. The institute will maintain separate audited accounts for the fellowship. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.


11. The File no. TAR/2021/000201 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.

12. As this is the first grant for the fellowship, no previous U/C is required.

13. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

14. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board, a statutory body of the Department of Science & Technology (DST), Government of India should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.

15. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board, a statutory body of Department of Science & Technology (DST), Government of India.


(Dr. T. Thangaradjou)
Scientist F
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi.
3.	File Copy
4.	<p>(i) Dr. Prashant Kumar Chemistry SRM University, Plot no.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post office P.S. Rai, Sonapat, Sonapat, Haryana-131029 Email: prashanttomar972@gmail.com Mobile: 918527011424</p> <p>(ii) Dr. Brajendra K Singh University of Delhi New Delhi, Delhi - 110007</p> <p>(Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)</p>
5.	<p>(i) Registrar, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office P.S. Rai, Sonapat</p> <p>(ii) Registrar University of Delhi New Delhi, Delhi - 110007</p> <p>(Receipt of Grant may be intimated by name to the undersigned)</p>


(Dr. T. Thangaradjou)
Scientist F
msls@serb.gov.in



Dr. Sudip Kumar Halder <sudip.k@srmuniversity.ac.in>

SERB-Notification

1 message

SERB_Administrator@serbonline.in <SERB_Administrator@serbonline.in>
To: serbinfo1@gmail.com

Thu, Dec 2, 2021 at 3:39 PM

**Science and Engineering Research Board**
(Statutory Body Established Through an Act of Parliament : SERB Act 2008)
Department of Science and Technology, Government of India

SCIENCE & ENGINEERING RESEARCH BOARD (SERB)

(Statutory Body Established Through an Act of Parliament : SERB Act 2008)

Science and Engineering Research Board
3rd & 4th Floor, Block II
Technology Bhavan, New Mehrauli Road
New Delhi - 110016

File Number: TAR/2021/000136

Dated: 02-Dec-2021

Subject: Project titled "A search for a suitable physical system for realising quantum technologies."

Dear Dr. Sudip Kumar Halder,

We are happy to inform you that your application cited above has been approved by the Science and Engineering Research Board for funding under **Teachers Associateship for Research Excellence (TARE)**. The following are the approved items for a period of three years.

Research Grant ? As per SERB-TARE norms

Fellowship ? As per SERB-TARE norms

Overhead Charges ? As per SERB-TARE norms

1. This approval letter is valid subject to the fulfilment of all the eligibility criteria for the TARE and submission of required documents.
2. You are requested to submit the joining report in the host institute and submit relevant documents within one month from the date of receipt of this letter. Projects requires ethical / biosafety / stem cell / wildlife clearances etc. candidate will be allowed to join the host institute only after acquiring such clearances.
3. The grant will be effective from the date of joining in the host institution.
4. Follow the norms of host and parent institutions while implementing the project. Please visit our website www.serbonline.in for the terms & conditions of the grant.

Kindly quote the reference number in all future correspondence. The reference no. **TAR/2021/000136** should be mentioned in all research outputs(publications/patent etc.) arising from the TARE grant.

Kindly follow the below steps only then you will be able to acknowledge the approval letter:

1. Go to www.serbonline.in through your credentials
2. Go to Menu --> Proposal submission --> View submitted proposals

A certificate stating that any visit abroad for a period more than eight weeks would be undertaken after due permission from SERB, may also be submitted.

Kindly upload RTGS details of the parent as well as host institute to facilitate transfer of the fund as per the template

Yours sincerely,

(Dr. T Thangaradjou)

Scientist F

Dr. Sudip Kumar Haldar

Physics

SRM University , Plot No.39, Rajiv Gandhi Education City Delhi-ncr, Sonapat – Kundli Urban Complex, Post Office P.s.rai, Sonapat, Sonapat, Haryana-131029

***** LEGAL DISCLAIMER *****

Please do not reply to this mail !!

[SERB is now on Social-Media. Kindly follow us on Twitter: @serbonline <https://www.twitter.com/serbonline>]

This is a system generated information and does not require any signature. This E-Mail may contain Confidential and/or legally privileged Information and is meant for the intended recipient(s) only. If you have received this e-mail in error and are not the intended recipient/s, kindly notify us at info@serbonline.in and then delete this e-mail immediately from your system. Any unauthorized review, use, disclosure, dissemination, forwarding, printing or copying of this email or any action taken in reliance on this e-mail is strictly prohibited and may be unlawful. Internet communications cannot be guaranteed to be timely, secure, error or virus-free. The sender does not accept any liability for any errors, omissions, viruses or computer problems experienced by any recipient as a result of this e-mail.

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FOCIS GOES SOUTH 2021



This certificate is granted to:

Ramendra Pati Pandey, Pawan Sharma

For having participated with a presentation in the **ICGEB Workshop and FOCIS Course: FOCIS Goes South 2021**, which took place between November 15 and November 18, 2021.

The Translational Prospective of secretory proteins of Mycobacterium tuberculosis encapsulated in Bio-polymeric nanoparticles: An Interplay of Immune Response and Oxidative stress

Dr. Alexis Kalergis

Director,
Millennium Institute on Immunology and Immunotherapy,
FOCIS Center of Excellence
Full Professor,
Facultad de Ciencias Biológicas
Facultad de Medicina
Pontificia Universidad Católica de Chile

Dr. Pablo González

Associate Investigator,
Millennium Institute on Immunology and Immunotherapy,
FOCIS Center of Excellence
Associate Professor,
Facultad de Ciencias Biológicas
Pontificia Universidad Católica de Chile

**Membership and Qualifications**

Thomas Graham House
Science Park, Milton Road
Cambridge CB4 0WF, UK

Tel +44 (0) 1223 420066

Fax +44 (0) 1223 432359

Email membership@rsc.org

www.rsc.org

Professor Tom Welton OBE CChem FRSC
President

Professor V S Raj
SRM University (NCR Region)
Sonapat
Haryana 131029
India

Ref: LITF 2021

17 November 2021

Dear Professor Raj

Invitation to become a Fellow of the Royal Society of Chemistry

The Royal Society of Chemistry is the world's leading chemistry community, advancing excellence in the chemical sciences, thanks to the contributions and support of our 47,000 members worldwide.

In recognition of your significant contributions to the chemical sciences, in particular your extensive work in coordinating all of C4D's impressive International Collaborations on drug discovery, I invite you to become a Fellow of the Royal Society of Chemistry. With your support, we can continue to promote the development, practice and application of the chemical sciences across the world. In particular, I am eager to encourage – as I am sure you are – the wider participation of students and young people in our subject.

To accept this invitation to become a Fellow of the Royal Society of Chemistry, please complete the electronic acceptance form which was attached alongside this invitation and return either by clicking on the 'submit' button on the form, or by return email. There will be no subscription fee to pay for the first year of membership.

As an invited Fellow, your personal contact at the Royal Society of Chemistry will be Dr Helen Pain, Chief Executive. Helen will be able to facilitate your engagement and involvement with the Royal Society of Chemistry, and can be contacted at: painh@rsc.org

I do hope that you decide to join the Royal Society of Chemistry and contribute your support to our network of chemical scientists worldwide.

Yours sincerely

Professor Tom Welton OBE CChem FRSC
President

This communication (including any attachments) is intended for the use of the addressee only and may contain confidential, privileged or copyright material. It may not be relied upon or disclosed to any other person without the consent of the RSC. If you have received it in error, please contact us immediately. Any advice given by the RSC has been carefully formulated but is necessarily based on the information available, and the RSC cannot be held responsible for accuracy or completeness. In this respect, the RSC owes no duty of care and shall not be liable for any resulting damage or loss. The RSC acknowledges that a disclaimer cannot restrict liability at law for personal injury or death arising through a finding of negligence.

FILE NO. CVD/2020/000447
SCIENCE & ENGINEERING RESEARCH BOARD(SERB)
(A statutory body of the Department of Science & Technology, Government of India)

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 26-Oct-2020

ORDER

Subject: Financial Sanction of the research project titled **"Drug repurposing against key COVID-19 Drug Targets using advance Machine Learning based algorithms "** under the guidance of Dr. Manoj Kumar Yadav, Department of Bioinformatics, SRM University, Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex, Post office p.s.ra, sonipat, Sonapat, Haryana-131029 - Release of 1st grant.

Sanction of **Science and Engineering Research Board (SERB)** is hereby accorded to the above mentioned project at a total cost of **Rs. 1229920/-** (Rs. Twelve Lakh Twenty Nine Thousand Nine Hundred and Twenty Only) with break-up of **Rs. 250000/- under Capital (Non-recurring) head** and **Rs. 979920/- under General (Recurring) head** for a duration of 12 months. The items of expenditure for which the total allocation of **Rs. 1229920/-** has been approved are given below:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment -> Thinkpad P1 gen2 Mobile Workstation	250000
A'	Total (Non-Recurring)	250000
B	Recurring Items	
1	Recurring - I : (Manpower) Recurring - II : (Consumables, Travel, Contingencies) Recurring - III : Scientific Social Responsibility	401760 466350 0
2	Recurring - IV : (Overhead Charges)	111810
B'	Total (Recurring)	979920
C	Total cost of the project (A' + B')	1229920

2. Sanction of the **SERB** is also accorded to the payment of **Rs. 250000/-** (Rupees Two Lakh Fifty Thousand only) under 'Grants for creation of capital assets' and **Rs. 855000/-** (Rupees Eight Lakh Fifty Five Thousand only) under 'Grants-in-aid General' to **Vice Chancellor, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office PS.Rai, Sonipat** being the first installment of the grant for the year 2020-2021 for implementation of the said research project.

3. The expenditure involved is debitable to **Fund for Science & Engineering Research (FSER)**
This release is being made under CRG Short-term special call on COVID-19. (COVID-19 Life Sciences)

4. The Sanction has been issued to SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex, Post Office P.S.Rai, Sonipat with the approval of the competent authority under delegated powers on **21 October, 2020** and vide Diary No. **SERB/F/4312/2020-2021** dated **22 October, 2020**

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in).

6. Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-II, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.

8. Budget sanctioned under Scientific Social Responsibility (SSR) is meant only for activities enlisted under SSR norms and under no circumstances it can be reappropriated.

9. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.

10. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.

11. The release amount of **Rs. 1105000/-** (Rupees Eleven Lakh Five Thousand only) will be drawn by the Under Secretary of the SERB and will be disbursed by means of RTGS transaction as per their Bank details given below:

PFMS Unique Code	SRMUH
Account Name	SRMUH SERB
Account Number	39502288126
Bank Name & Branch	STATE BANK OF INDIA Branch Name-Motilal Nehru Sports School Rai Address- Motilal Nehru School of Sports, Post-Rai, Sonapat, Haryana, Pin-131029
IFSC/RTGS Code	SBIN0006838
Email id of A/C Holder	registrar@srmuniversity.a.in
Email id of PI	manojiids@gmail.com

12. The institute will furnish to the SERB, separate Utilization certificate(UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.

13. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.

14. The project File no. CVD/2020/000447 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.


15. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any. beyond the duration of the project

16. As this is the first grant being released for the project, no previous U/C is required.

17. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

18. The organization/institute/university should ensure that the technical support/financial assistance provided to them by the Science & Engineering Research Board should invariably be highlighted/ acknowledged in their media releases as well as in bold letters in the opening paragraphs of their Annual Report.


19. In addition, the investigator/host institute must also acknowledge the support provided to them in all publications, patents and any other output emanating out of the project/program funded by the Science & Engineering Research Board.


(Dr. Thangaradjou T)
Scientist E
msls@serb.gov.in

To,
Under Secretary
SERB, New Delhi

Copy forwarded for information and necessary action to: -

1.	The Principal Director of Audit, A.G.C.R.Building, IIIrd Floor I.P. Estate, Delhi-110002
2.	Sanction Folder, SERB , New Delhi.
3.	File Copy
4.	Dr. Manoj Kumar Yadav Department of Bioinformatics SRM University , Plot no.39, rajiv gandhi education city delhi-ncr, sonapat – kundli urban complex,Post office p.s.ra, sonipat, Sonapat, Haryana-131029 Email: manojiids@gmail.com Mobile: 917581911917 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in .)
5.	Vice Chancellor, SRM University, Plot No.39, Rajiv Gandhi Education City Delhi-NCR, Sonapat – Kundli Urban Complex,Post Office PS.Rai, Sonipat (Receipt of Grant may be intimated by name to the undersigned)


(Dr. Thangaradjou T)
Scientist E
msls@serb.gov.in

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

From: **Meenu Jain** <meenudrde@gmail.com>

Date: Sat, Apr 4, 2020 at 10:22 AM

Subject: ICMR_Extramural Adhoc proposal_2020-4077

To: <directorcd4@srmuniversity.ac.in>

Cc: Kamini Walia <waliakamini@yahoo.co.in>, Madhu Mathi
<madhurachel@gmail.com>

Dear Dr. S R Vethakkani,

Greetings!!

This is with reference to your Ad-hoc proposal submitted to ICMR under extramural scheme. We are glad to inform you that your proposal (Project ID: 2020-4077) entitled "Management of multidrug resistant pathogens causing Urinary Tract Infection" has been recommended for funding in the review held by ICMR, New Delhi.

The **expert's comments** are mentioned below:

- The proposal addresses important aspect of AMR and involves novelty.
- The study would help in planning management protocol in future.

To initiate the process of funding, kindly provide following documents for **codal formalities**:

1. Declaration and attestation form (Format attached)
2. Mandate Form (Format attached) and cancelled cheque of Institute account (**Important Note:** As per GFR, details of saving account should be provided. If your institute does not have a saving bank account, then the existing account should be interest bearing account or PI can avail the CTLD facility on already existing account. In such case, PI is requested to submit a signed undertaking to ICMR stating that interest incurred would be credited to ICMR account).
3. Undertaking for staff -Part I (Format Attached)
4. Certificate of Non-availability of equipment (Format attached)
5. No pending UC certificate (Format attached).
6. Institutional Ethical Clearance (IEC); Note: If IEC is not applicable please give a certificate/undertaking mentioning IEC is not applicable and justification for the same.
7. DSIR certificate of the institute (If it is a Non-Government institute).
8. Names of Statutory Auditors of host institute and panel number in case of private CA along with complete address (A copy of resolution of Institute appointing the Auditors as Statutory Auditors may be enclosed). (Format attached)
9. Year wise breakup of contingencies (Format attached)
10. Undertaking that PI does not have more than 5 ICMR ad-hoc projects at a time (Format attached)
11. Justification for travel (If applicable) (Format attached)

The format of documents for codal formalities are attached for your reference. Kindly send the codal formalities, listed in 1-11 (all documents in **one Pdf file**). If you are not able to submit the documents immediately due to COVID-19 situation in India, you may submit the same after lockdown.

Thanks,
With Regards,
Meenu

--

Dr. Meenu Jain

Scientist 'C'

ICMR-AMR Diagnostics Taskforce,

ECD Division,

Indian Council of Medical research,

Ansari Nagar, New Delhi-110029

Name of PI : PROF. SAMUEL RAJ VETHAKKANI

ICMR : ADHOC APPLICATION

Date of Submission : 2020-01-14 18:11:38.0

Proposal ID : 2020-4077

Indian Council of Medical Research
APPLICATION FOR AD-HOC PROPOSAL

Name (IN BLOCK LETTERS):	PROF. SAMUEL RAJ VETHAKKANI
Gender:	M
Date of Birth of PI:	04-Jun-1967

DSIR Certificate Validity Date:	31/03/2020	Nature of Employment	Permanent
superannuation:	04/06/2032	Type of Institute:	Private
Have you received any funding for research project for ICMR as Principal Investigator:			NO
Have you received any funding for research project as Principal Investigator from any other Govt agency/Private Organization either national or international:			YES

Title of proposed research project:		Management of multidrug resistant pathogens causing Urinary Tract Infection			
Duration of project proposed (in Months):		36			
Six Keywords:		N.A			
Major Discipline:		ANTIMICROBIAL RESISTANCE			

General Information of Principal Investigator

Name	Designation	Department	Institute/Organization's address	Email	Mobile No
Prof. Samuel Raj Vethakkani	Professor & Dean Academics	N.A	SRM University,Sonepat	directorcd4@srmuniversity.ac.in	7082000112

Academic details of Principal Investigator

S.NO	Academic Qualifications	Year	Institute
1	Ph. D.	1993	Banaras Hindu University, Varanasi
2	PDF	1998	Academia Sinica, Taiwan
3	PDF	1999	Chiba University, Japan
4	PDF	2001	Thomas Jefferson University, USA
5	Visiting Scientist	2002	Thomas Jefferson University, USA

Advanced Training relevant to this project

Publications Details

S.No	Authors	Title of article	Journal Name	Year	Indexed/Non-Indexed	Impat factor	No. of citations	ISSN No.
1	Lun S, Tasneen R, Chaira T, Stec J, Onajole OK, Yang TJ, Cooper CB, Mdluli K, Converse PJ, Nuermberger EL, Raj VS, Kozikowski A, Bishai WR.	Advancing the Therapeutic Potential of Indoleamides for Tuberculosis.	Antimicrob Agents Chemother.	2019	Indexed	4.70	0	0066-4804
2	Barman TK, Kumar M, Chaira T, Dalela M, Gupta D, Jha PK, Yadav AS, Upadhyay DJ, Raj VS, Singh H.	In vivo efficacy and pharmacokinetics of bi-aryl oxazolidinone RBx 11760 loaded polylactic acid-polyethylene glycol nanoparticles in mouse hematogenous bronchopneumonia and rat groin abscess caused by Staphylococcus aureus	Nanomedicine	2018	Indexed	6.50	0	1748-6963
3	Barman TK, Kumar M, Mathur T, Chaira T, Ramkumar G, Kalia V, Rao M, Pandya M, Yadav AS, Das B, Upadhyay DJ, Hamidullah, Konwar R, Raj VS, Singh H.	In Vitro and In Vivo Activities of a Bi-Aryl Oxazolidinone, RBx 11760, against Gram-Positive Bacteria.	Antimicrob Agents Chemother.	2016	Indexed	4.70	0	0066-4804

S.No	Authors	Title of article	Journal Name	Year	Indexed/Non-Indexed	Impat factor	No. of citations	ISSN No.
4	Shrestha B, Singh W, Raj VS, Pokhrel BM, Mohapatra TM.	High prevalence of Panton-Valentine leukocidin (PVL) genes in nosocomial-acquired Staphylococcus aureus isolated from tertiary care hospitals in Nepal.	Biomed Res Int.	2014	Indexed	2.60	9	2314-6141
5	Raj VS, Barman TK, Kalia V, Purnapatre K, Dube S, G R, Bhateja P, Mathur T, Chaira T, Upadhyay DJ, Surase YB, Venkataramanan R, Chakrabarti A, Das B, Bhatnagar PK.	A novel ketolide, RBx 14255, with activity against multidrug-resistant Streptococcus pneumoniae.	Antimicrob Agents Chemother.	2014	Indexed	4.70	0	0066-4804
6	1. Barman, T.K., Kumar, M., Chaira, M., Ramkumar, G., Singhal, S., Rao, M., Mathur, T., Bhateja, P., Pandya, M., Ramadass, V., Chakrabarti, A., Das, B., Upadhyay, D.J., and Raj, V. S.	Potential of the fluoroketolide RBx 14255 against Streptococcus pneumoniae, Neis	J Antimicrob Chemother.	2019	Indexed	5.20	0	1460-2091
7	Kozikowski AP, Onajole OK, Stec J, Dupont C, Viljoen A, Richard M, Chaira T, Lun S, Bishai W, Raj VS, Ordway D, Kremer L.	Targeting Mycolic Acid Transport by Indole-2-carboxamides for the Treatment of Mycobacterium abscessus Infections.	J Med Chem.	2017	Indexed	6.00	11	1520-4804
8	Mathur T, Kalia V, Barman TK, Singhal S, Khan S, Upadhyay DJ, Rattan A, Raj VS.	Anti-anaerobic potential of ranbezolid: insight into its mechanism of action against Bacteroides fragilis.	Int J Antimicrob Agents.	2012	Indexed	4.60	2	0924-8579

Books/Chapters Details

S.No	Title of book/Chapter	Year of publication	Name of Publisher
1	Recent Advances in the Discovery and Development of New Drugs against Gram-Nega	2014	Frontiers in Clinical Drug Research

Patents/copyrights Details

S.No	Title	Year	Patent/Copyright Number
1	Benzothiazole and aza-analogues thereof use as antibacterial agents: International	2009	PCTIB2009052753
2	Pyrrole carboxylic acid derivatives as antibacterial agents	2009	PCTIB2009053331

Awards and/or Honours Details

S.No	Awards and honours	Year
1	Invited as Mentor for the Indo-UK Sandpit meeting on AMR by Department of Biotechnology	2017
2	Invited as peer reviewer to review the UKIndia projects on Antimicrobial resistance (AMR)	2018
3	Invited by the CEO of Royal Society of Tropical Medicine and Hygiene (RSTMH) as one of the subject expert and had a special meeting with the British High Commissioner at his residence in New Delhi	2017
4	Organizing Secretary of International Conference on Antimicrobial Resistance, Novel Drug Discovery and Development Challenges and Opportunities	2015
5	International organizing committee member as well as the invited speaker in the 1st Drug Discovery Workshop in Neglected and Orphan Diseases, University of Siena, Siena, Italy	2010
6	Invited to participate in the Next Generation Leaders Meet organized by Stein am Rhein Symposium, Switzerland	2009

* Please ignore sections which shows only heading's followed by line. Its because you haven't provided any data in corresponding sections.

Details of CO-PI

Name	Designation	Department	Institute/Organization's address	Email	Mobile No
Prof. Samuel Raj Vethakkani	Professor & Dean Academics	N.A	SRM University,Sonepat	directorcd4@srmuniversity.ac.in	7082000112

Details of Co-Investigators

S.No	Name	Designation	Department/Institute/ Organization's	Email	Mobile No.	Academic Qualifications	Total number of publications
1	Dr. Anjali Priyadarshini	Assistant Professor	Srm University,Sonepat, Sonepat, Haryana	anjali.p@srmuniversity.ac.in	8447773811	PhD	6
2	Dr. Poornima Sheba Samuel Raj	Senior Medical Officer	Srm University,Sonepat, Sonepat, Haryana	samuelpoornima@gmail.com	8053270832	MPH	0
3	Dr. Ramendra Pati Pandey	Assistant Professor	Srm University,Sonepat, Sonepat, Haryana	ramendra.pandey@gmail.com	9818790558	PhD	22
4	Prof. Ashok Rattan	Adviser	Srm University,Sonepat, Sonepat, Haryana	drashokrattan@gmail.com	9560272576	MD	23

Headwise Breakup

Salary Details

	Year 1	Year 2	Year 3	Total year
Salary Details	372000.00	372000.00	372000.00	1116000.00

Year	PI/CO-PI Details	Salary (Amount)	No. of Manpower	Designation
1.0	SAMUEL RAJ VETHAKKANI	372000.00	1.0	Junior Research Fellow
2.0	SAMUEL RAJ VETHAKKANI	372000.00	1.0	Junior Research Fellow
3.0	SAMUEL RAJ VETHAKKANI	372000.00	1.0	Junior Research Fellow

Recurring Contingency Details

	Year 1	Year 2	Year 3	Total Budget
Recurring Contingency	1025000.00	825000.00	625000.00	2475000.00

Year	PI/CO-PI Details	Expense Type	Recurring Amount
1.0	samuel835	Other	0.00
1.0	samuel835	Contingencies	1025000.00
2.0	samuel835	Other	0.00
2.0	samuel835	Contingencies	825000.00
3.0	samuel835	Other	0.00
3.0	samuel835	Contingencies	625000.00

Equipment Details

	Year 1	Total Budget
Equipment Amount	650000.00	650000.00

Year	PI/CO-PI Details	Equipment Name	Equipment Amount
1.0	samuel835	(-80oC Deep Freezer	650000.00

Overhead Charges Details (5% of staff and Recurring contingency)

	Year 1	Year 2	Year 3	Total Budget
Overhead Charges	60000.00	60000.00	50000.00	170000.00

Year	PI/CO-PI Details	Over Head Amount
1.0	samuel835	60000.00
2.0	samuel835	60000.00
3.0	samuel835	50000.00

Travel Details

	Year 1	Year 2	Year 3	Total Budget
Travel Amount	150000.00	200000.00	200000.00	550000.00

Year	PI/CO-PI Details	Travel Amount
1.0	samuel835	150000.00

Year	PI/CO-PI Details	Travel Amount
2.0	samuel835	200000.00
3.0	samuel835	200000.00

MANDATE FORM

ELECTRONIC CLEARING SERVICE (CREDIT CLEARING)/ REAL TIME
GROSS SETTLEMENT FACILITY FOR RECEIVING PAYMENT

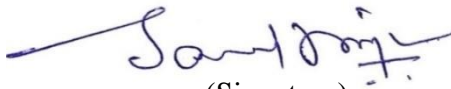
DETAILS OF ACCOUNT HOLDER: -

1	NAME OF ACCOUNT HOLDER	SRM EDUCATION & RESEARCH INSTITUTE
2	COMPLETE CONTACT ADDRESS	SRM University Delhi-NCR, Sonapat Rajiv Gandhi Education City Sonapat - 131 029, Haryana
3	TELEPHONE NUMBER FAX E-MAIL	+91-130-2203756 deanacademic@srmuniversity.ac.in
4	NAME ADDRESS OF PROJECT INVESTIGATOR/FIRM	Prof. V. Samuel Raj Director (C4D) & Dean Academics SRM University Delhi-NCR, Sonapat Rajiv Gandhi Education City Sonapat - 131 029, Haryana Ph. +91-130-2203756/57
5	TITLE OF THE PROJECT	“Management of multidrug resistant pathogens causing Urinary Tract Infection”

BANK ACCOUNT DETAILS:

1 2	BANK NAME BRANCH NAME COMPLETE ADDRESS TELEPHONE NUMBER E-MAIL	CITY UNION BANK LTD KAROL BAGH KAROL BAGH, NEW DELHI- 110005 011 – 2875 8696, +91 9312927967 Cub102@cityunionbank.in
3	WHETHER THE BRANCH IS COMPUTERISED?	YES
4	WHETHER THE BRANCH IS RTGS ENABLED? IF YES, THEN WHAT IS THE BRANCH'S <u>IFSC CODE</u>	CIUB0000102
1	IS THE BRANCH ALSO NEFT ENABLED?	YES
2	TYPE OF BANK ACCOUNT (SB/CURRENT/CASH CREDIT)	CURRENT ACCOUNT
3	COMPLETE BANK ACCOUNT NUMBER (LATEST)	510909010045723
4	MICR CODE OF BANK	110054002

I hereby declare that the particular given above are current and complete. If the transaction is delayed or not effected at all for reasons of incomplete of incorrect information, I would not hold the used Institution responsible.


(Signature)
(Seal of PI/Firm)

Date: 17th May, 2020
Phone No.: +91-130-2203756/57

Certificate that the particulars furnished above are correct as per our records.



[Manoj Madhavan Kutty] (Signature)
(Seal AO of the Concerned Division/DDO)

Date: 17th May, 2020
Phone No.: 0130-2203700-708

Note: Please attach a photocopy of cancelled cheque for purpose of verification of the concerned bank account where money is to be remitted.

Names of Statutory Auditors of host institute and Panel Number in case of private CA along with complete address

(A copy of resolution of Institute appointing the Auditors as Statutory Auditors may be enclosed).

1. The name of Govt. Statutory Auditors with address of host institute

B. Purushottam & Co., Chartered Accountants, 3DPioneerhomes 23/A, North Boag Road, Pioneer Homes T Nagar Chennai, Tamil Nadu, 600017, India

2. The name of Private CA with panel number and Address (Enclose copy of the order)

B.S.Purshotham
Membership no.- 026785
Registration no.- 0028085



Signature and seal of Principal Investigator

Undertaking I

Proposal ID: 2020-4077

Study Entitled: “Management of multidrug resistant pathogens causing Urinary Tract Infection”

Under: Ad-hoc proposal submitted to ICMR under extramural scheme



(Principal Investigator)

UNDERTAKING

ICMR funds all extra-mural projects on the condition that the staff employed by the project will be recruited as per the rules and procedure of the host institute. ICMR has appraised us of this rule and we have carefully noted it. It is confirmed that during the currency of the project as well as on its termination, ICMR will have no legal liabilities relating to staff.



Signature of the Head of the Institution with seal

Date:11/05/2020

REGISTRAR

**SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029**



Government of India
Ministry of Science & Technology
Department of Scientific & Industrial Research
Technology Bhawan, New Mehrauli Road, New Delhi-110016
<http://www.dsir.gov.in>



No. DSIR/RDI & SIRO/Renewal/2020

Dated: 02.04.2020

ORDER

Please refer to the order and further the guidelines issued by Ministry of Home Affairs vide No. 40-3/2020-DM-I(A), dated 24th March 2020 and further to the guidelines issued, pursuant to a decision to impose a complete lock down in view of the threat imposed by the spread of COVID-19.

2 In view of the above, current COVID-19 pandemic and countrywide lockdown, it has been decided to extend the **validity of recognition** of existing In-house R&D unit(s) of Industries and Scientific and Industrial Research Organisations(SIROs) recognised by Department of Scientific & Industrial Research (DSIR) valid up to 31.03.2020 further for a period of 90 days i.e. **upto 30.06.2020**.

3. It has also been decided to extend the **validity of registration** of existing In-house R&D unit(s) of Industries and Scientific and Industrial Research Organisations(SIROs) registered with Department of Scientific & Industrial Research (DSIR) valid upto 31.03.2020 further for a period of 90 days i.e. **upto 30.06.2020** for the purpose of availing customs duty exemption in terms of Government Notification No. 51/96-Customs dated 23.07.1996; No. 24/2007-Customs dated 01.03.2007; No. 43/2017-Customs dated 30.06.2017; No. 45/2017-Central Tax (Rate) & 47/2017- Integrated Tax (Rate) dated 14.11.2017; No. 9/2018 – Central Tax (Rate), No. 09/2018 Union Territory Tax (Rate) & No.10/2018-Integrated Tax (Rate) dated 25.01.2018; and State Tax (Rate) as applicable and all notifications as amended from time to time.

4. Terms and conditions pertaining to DSIR recognition and registration remains same as earlier.

5. Renewal of recognition and registration of R&D units of Industries and SIROs beyond 30.06.2020 would be accorded as per the existing guidelines and procedures laid down by the Department.


6. This Order is issued with the approval of competent authority.

Dr S. K Deshpande
Scientist- 'G' & Head RDI
skdpande@nic.in
Phone. 011 26518019, 011 26590387

UNDERTAKING

This is certified that I, **Prof. V. Samuel Raj** as a principal investigator have submitted the proposal entitled “**Management of multidrug resistant pathogens causing Urinary Tract Infection**” only to ICMR for extramural research funding. Further I declare that as a PI, I do not have more than 5 ICMR ad-hoc projects at a time.


Date: 11.05.2020



Signature and seal of
Principal Investigator

UNDERTAKING

This is certified that I, **Prof. V. Samuel Raj** as a Principal Investigator have submitted the project proposal entitled “**Management of multidrug resistant pathogens causing Urinary Tract Infection**” to ICMR for extramural research funding. Further I declare that at present animals and human subjects are not involved in the project. Therefore, Institutional Ethical Clearance (IEC) is not applicable for the project now. As per the project timeline, the patients’ plasma samples will be used for the estimation of drug concentration (WP2) in the third year. Since the University hospital as well as the University is closed due to the lockdown, the Institutional Ethical Clearance will be obtained after the lockdown.



Signature and seal of
Principal Investigator

DEAN ACADEMICS
SRM University Haryana
Plot No. 39, R.G.E.C. Rai,
Sonapat-131029(HR.)

Date: 26.05.2020

Utilization Certificate

No Utilization certificate and final report is pending under the PI for earlier projects.



Signature of PI



Signature of Head of Institution with Seal

REGISTRAR
SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

Declaration & Attestation

- i. I/We have read the terms and conditions for ICMR Research Grant. All necessary Institutional facilities will be provided if the research project is approved for financial assistance.
- ii. I/We agree to submit within one month from the date of termination of the project the final report and a list of articles, both expendable and non-expendable, left on the closure of the project.
- iii. I/We agree to submit audited statement of accounts duly audited by the auditors as stipulated by the ICMR.
- iv. It is certified that the equipment(s) is/are not available in the Institute/Department or these are available but cannot be spared for the project.
- v. It is further certified that the equipment(s) required for the project have not been purchased from the funds provided by ICMR for another project(s) in the Institute.
- vi. I/We agree to submit (online) all the raw data (along with descriptions) generated from the project to the ICMR Data Repository within one month from the date of completion /termination of the project.

If any equipment already exists with the Department/Institute, the investigator should justify purchase of equipment.

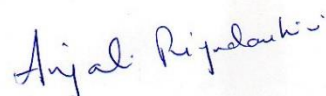
Signature of the:



Principal Investigator



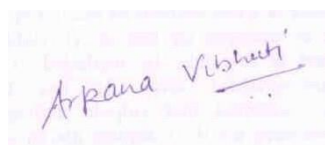
Co-Investigator(s)



Co-Investigator(s)



Co-Investigator(s)



Head of the Department



Signature of the Head of the Institution
with seal

REGISTRAR

SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

Date: 11/05/2020

Declaration & Attestation

- i. I/We have read the terms and conditions for ICMR Research Grant. All necessary Institutional facilities will be provided if the research project is approved for financial assistance.
- ii. I/We agree to submit within one month from the date of termination of the project the final report and a list of articles, both expendable and non-expendable, left on the closure of the project.
- iii. I/We agree to submit audited statement of accounts duly audited by the auditors as stipulated by the ICMR.
- iv. It is certified that the equipment(s) is/are not available in the Institute/Department or these are available but cannot be spared for the project.
- v. It is further certified that the equipment(s) required for the project have not been purchased from the funds provided by ICMR for another project(s) in the Institute.
- vi. I/We agree to submit (online) all the raw data (along with descriptions) generated from the project to the ICMR Data Repository within one month from the date of completion /termination of the project.

If any equipment already exists with the Department/Institute, the investigator should justify purchase of equipment.

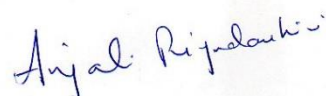
Signature of the:



Principal Investigator



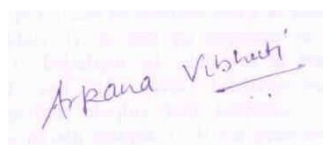
Co-Investigator(s)



Co-Investigator(s)



Co-Investigator(s)



Head of the Department



Signature of the Head of the Institution
with seal

REGISTRAR

SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

Date: 11/05/2020

Undertaking I

Proposal ID: 2020-4077

Study Entitled: “Management of multidrug resistant pathogens causing Urinary Tract Infection”

Under: Ad-hoc proposal submitted to ICMR under extramural scheme



(Principal Investigator)

UNDERTAKING

ICMR funds all extra-mural projects on the condition that the staff employed by the project will be recruited as per the rules and procedure of the host institute. ICMR has appraised us of this rule and we have carefully noted it. It is confirmed that during the currency of the project as well as on its termination, ICMR will have no legal liabilities relating to staff.



Signature of the Head of the Institution with seal

Date:11/05/2020

REGISTRAR
SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

NON-AVAILABILITY CERTIFICATE FOR EQUIPMENT

Title of the Project: Management of multidrug resistant (MDR) pathogens causing Urinary Tract Infection (UTI).

This is to certify that the equipment: are not available in the Institution or the said equipment are available with the Institution but these cannot be spared for this project.



Signature of PI



Signature of Head of Institution with Seal

REGISTRAR
SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

Utilization Certificate

No Utilization certificate and final report is pending under the PI for earlier projects.



Signature of PI



Signature of Head of Institution with Seal

REGISTRAR
SRM University, Delhi-NCR Sonapat,
Plot no. 39, R.G.E.C., P.S. Rai,
Sonapat (HR.)- 131029

BIOGRAPHICAL SKETCH OR PROFESSOR V. SAMUEL RAJ

Name: Prof. V. Samuel Raj
Designation: Director (C4D) & Dean Academic Affairs
Department/Institute/University: SRM University, Delhi-NCR, Haryana
Email: deanacademic@srmuniversity.ac.in
Mobile: 91-7082000112

Date of Birth: June 4, 1967 **Sex (M/F):** M

Education (Post-Graduation onwards & Professional Career)

Sl No.	Institution/ Place	Degree Awarded	Year	Field of Study
1	Banaras Hindu University, Varanasi	M. Sc.	1989	Zoology
2	Banaras Hindu University, Varanasi	Ph. D.	1993	Microbiology
3	Jawaharlal Nehru University, New Delhi	Research Associate	1996-1998	Parasitic Diseases
4	Academia Sinica, Taiwan	PDF	1998-1999	Gene Therapy of HIV
5	Chiba University, Japan	PDF	1999 - 2001	Bacteriology & Drug Targets
6	Thomas Jefferson University, USA	PDF	2001 - 2002	Bacterial Translation (Ribosome Factors)
7	University of Pennsylvania, USA	Visiting Scientist	2002 - 2004	Bacterial Translation & Drug Targets

Position and Employment (Starting with the most recent employment)

Sl No.	Institution Place	Position	From (Date)	To (date)
1	SRM University, Delhi-NCR, Sonapat, Haryana	Professor & Director, C4D & Dean Academic Affairs	November 2014	Till date
2	Daiichi Sankyo India Pharma Pvt Ltd, Gurgaon	Sr. Group Leader & Assistant Director (Microbiology)	July 2010	October 2014
3	Ranbaxy Research Laboratories, Gurgaon	Group Leader (Microbiology)	November 2004	June 2010
4	University of Pennsylvania, Philadelphia, USA	Visiting Scientist (Microbiology)	August 2002	Sept. 2004

Honors/Awards/Recognition:

RSTMH Fellow (2017); Karmaveer Chakra Award (2012); REX Global Fellow (2012); Best Alumni of Microbiology, IMS, BHU (2010); STARS Fellow (Next Generation Leader), Switzerland (2009); Tokyo Biochemical Research Foundation (TBRF) Award, Japan (1999)

International Conference on AMR: Organizing Secretary of two International Conferences on “Antimicrobial Resistance, Novel Drug Discovery and Development: Challenges and Opportunities” on 2-3 March 2015 & 17-19 March 2019

Reviewer: Peer reviewer and mentor of AMR project of DBT-UKRI (Indo-UK) and reviewer of ICMR-Norway project on AMR.

Publications:

Research Papers, Reports: **42**. Books: **2** General articles: **1** (1 report in Hindustan Times)
Posters: **15** International Patents: **2**

Prof. V. Samuel Raj has vast R&D experience in 2 major pharmaceutical industries Ranbaxy and Daiichi Sankyo for more than 10 years. He has completed many new drug discovery projects to tackle the AMR. He has established the drug discovery laboratory at SRM University, Delhi-NCR with the aim of tackling the AMR. He is an active researcher in the field of Antimicrobial resistance since 2005 and he is an invited speaker for UK-India workshops/meetings on AMR. He is the invited mentor & peer reviewer for AMR Sandpit meeting organized by DBT-UKRI and reviewer of the projects on AMR (Indo-UK projects) and ICMR-Norway projects on AMR. He regularly organizes international events on AMR. He organized 2 major International Conferences on AMR and many world renowned scientists including the Nobel Laureate participated and delivered lectures. He is one of the pioneers in the AMR research in India. He is the first scientist to report the ciprofloxacin resistance in the *N.meningitidis* in Delhi outbreak in 2005.

Ongoing Research Project as Principal Investigator:

1. **Genomics driven Dissection of Susceptibility and Drug Resistance to Pulmonary tuberculosis with a Geographical focus on NER.**

Funding Department: Department of Bio Technology

Total Project Cost (In Rs.): 82,128,980.00

Role: As one of the Principal Investigators (This is a consortium project)

2. **Management of multidrug resistant (MDR) pathogens causing Urinary Tract Infection (UTI)**

Funding Department: Indian Council of Medical Research (ICMR)

Total Project Cost (In Rs.): 4,960,000.00 (2020-2023)

Application for Ad-hoc Research Projects

**Management of multidrug resistant (MDR) pathogens
causing Urinary Tract Infection (UTI)**

Principal Investigator (PI)

Prof. V. Samuel Raj

**Centre for Drug Design Discovery & Development (C4D)
Department of Microbiology & Biotechnology
SRM University, Delhi-NCR,
Rajiv Gandhi Education City,
Sonepat, Haryana 131 029, India**

Co- Investigators

**Dr. Ramendra Pati Pandey
Dr. Anjali Priyadarshini
Dr. Poornima Sheba Samuel Raj
&
Prof. Ashok Rattan (Pathkind Labs, Gurugram)**



Indian Council of Medical Research

**V. Ramalingaswami Bhawan, Ansari Nagar, P.Box No. 4911
New Delhi – 110029**

Summary:

Urinary tract infection (UTI) is the most common bacterial infection in humans and it is more common in patients with type 2 diabetes mellitus. It has been estimated that at least one-third of all women are diagnosed with a UTI by the time they reach 24 years of age. UTIs are predominantly caused by Gram-negative pathogens (70%) and *E. coli* is the most common pathogen. Diabetics and other immunocompromised patients are at higher risk for UTI and its complications. The common pathogen in UTI is *Escherichia coli* and the other pathogens are *Klebsiella spp.*, *Proteus mirabilis*, and *P. aeruginosa*, etc. Unfortunately, the antibiotics used to treat the infections are not responding to these pathogens. Since the menace of Antimicrobial resistance (AMR) is very serious, the outcome of the proposal especially redefining the MIC values and repurposing of drugs against these critical multi drug resistant (MDR) pathogens will be very crucial. It is very important to highlight the importance of rationalizing the antibiotic use to limit the antibiotic resistance in India. If we allow the ongoing AMR to continue, it will result in difficulties in managing the multidrug resistant infectious diseases and will render healthcare services ineffective. The most important objective is the repurposing of the drugs against these MDR pathogens. This will bring new combination of drugs against these critical pathogens causing complicated and uncomplicated UTI. The outcome will set a new technological benchmark.

Key words: Antimicrobial Resistance, Urinary tract infection, *Escherichia coli*, Repurposing of drugs, Pharmacokinetics (PK), Pharmacodynamics (PD)

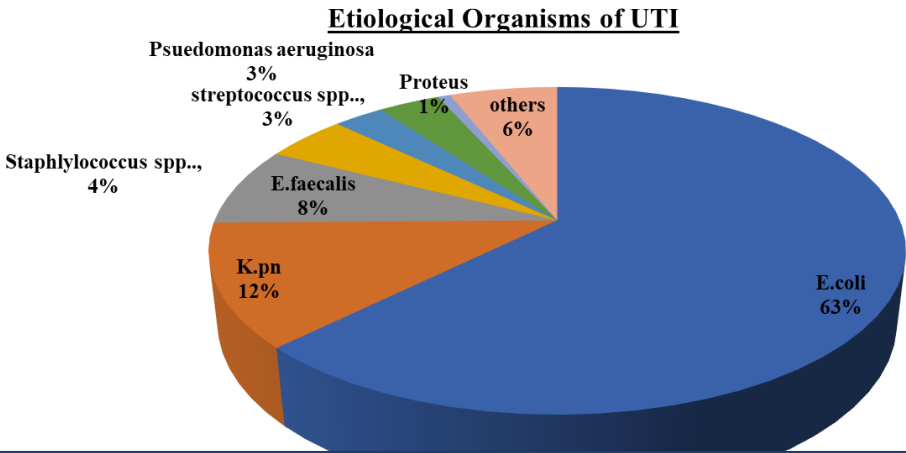
Background:

Antimicrobial Resistance (AMR) received the worldwide attention on 21 September 2016, when the heads-of-state met at the UN general assembly in New York City to take action at the UN high-level meeting on antimicrobial resistance. In India, the infectious disease burden is among the highest in the world and there are recent scanty reports about the inappropriate and irrational use of antibiotics against the infectious diseases lead to increasing AMR. It is very important to highlight the importance of rationalizing the antibiotic use to limit the antibiotic resistance in India. If we allow the ongoing antimicrobial resistance to increase, it will result in difficulties in controlling the multidrug resistant infectious diseases and ineffective healthcare services and lead to loss of lives.

In countries including India, suggestions and recommendations have been proposed and scientific reports have been published on antimicrobial resistance. But there are no systematic studies being done especially on the antimicrobial resistance and methods to tackle AMR in UTI. The lack of systematic review and studies on the antimicrobial resistance and the mechanism of antimicrobial resistance is a huge problem for the clinicians to handle the patients with infectious diseases. Recently, antimicrobial resistance has alarmingly increased due to the uncontrolled use of antibiotics in food industry, animal husbandry, agriculture and aquaculture.

Antibiotic resistance occurs when bacteria change in response to the use of these antimicrobial agents. Antibiotic resistance is rising to dangerously high levels in all parts of the world. Antibiotic resistance leads to higher medical costs, prolonged hospital stays, and increased mortality and economic loss to the country. The emergence of resistance to last-resort antibiotics is a public health concern of the world. Antibiotics are overused in treating patients even with coughs and colds that do not require antibiotic treatment. In many places, antibiotics are overused and misused in people and animals, and often given without professional oversight. Drug resistant-microbes are found in people, animals, food, and the environment (in water, soil and air). They can spread between people and animals, and from person to person. Poor infection control, inadequate sanitary conditions and inappropriate food-handling encourage the spread of antimicrobial resistance. That is the reason, the World Health Organization sent a red alert to all the member countries to pay immediate attention to all these dangerous pathogens and tackle AMR.

Pilot Study data (4-year data in our laboratory):



Antimicrobial Susceptibility pattern of antimicrobials of Escherichia coli causing UTIs								
S. No	Name of Antimicrobial agent	Total Isolates	Sensitivity	Value in %	Intermediate	Value in %	Resistance	Value in %
1	Ampicillin	1950	257	13.17	7	0.3	1686	86.46
2	Amoxicillin-Clavulonic acid	1950	567	29.07	170	8.17	1213	62.2
3	Cefazolin	1950	106	5.43	226	11.58	1618	11.58
4	cephalexin	1950	110	5.64	228	11.69	1262	64.71
5	cefoperazone - Sulbactam	403	200	49.62	22	21.83	183	45.4
6	Cefotaxime	403	63	15.63	0	0	340	84.36
7	Ceftazidime	1950	530	27.19	15	0.76	1406	72.1
8	Ceftriaxone	1500	240	16	25	1.66	1175	78.33
9	Cefepime	1900	493	32.86	29	1.52	1378	72.52
10	Aztreonam	1950	514	26.35	11	0.56	1425	73.07

Literature Review:

Urinary tract infection (UTI) is the most common bacterial infection especially in women. UTIs are the common condition seen both in nosocomial and the community setting. They are predominantly caused by Gram-negative pathogens and *E. coli* is the most common pathogen. Any abnormality of the urinary tract that interferes with the drainage of urine e.g., kidney stones or an enlarged prostate sets the stage for UTI. The same is true for foreign bodies in the bladder, such as catheters and tubes. Diabetics and other immunocompromised patients are at higher risk for UTI and its complications. The most common acquired conditions causing deterioration in host defence mechanisms are Diabetes Mellitus, Chronic kidney diseases, end-stage renal disease, and solid organ transplantation specifically kidney transplantation. Infection-related complications in kidney transplant recipients are associated with higher morbidity and mortality. In India, the infectious disease burden is among the

highest in the world and more recently there have been reports about the inappropriate and irrational use of antibiotics against the infectious diseases leading to increase in the development of antimicrobial resistance. It is very important to highlight the importance of rationalizing the antibiotic use to limit the antibiotic resistance in India. If we allow the ongoing AMR to increase, it will result in difficulties in managing the multidrug resistant infectious diseases and will render healthcare services ineffective. The potential application areas are health, especially in the field of diagnosis of resistant markers in infectious diseases. Since the menace of AMR is very serious, the outcome of the proposal especially a new diagnostic method to detect the AMR in the pathogen is very important. In 2015, Laxminarayan et al reviewed AMR in India for the drivers of antibiotics and the possible opportunity for action. Extreme level use of antibiotics is a major driver of resistance. In 2010, India was the world's largest consumer of antibiotics for human health. Access to antibiotics is rising, which signifies well for the large proportion of India's population that has thus far had poor access to these life-saving drugs. Over-the-counter (OTC), non-prescription sales of carbapenems (imipenem, doripenem and meropenem) in India are among the highest in the world and contribute to growing carbapenem resistance among Gram negative organisms (*Enterobacteriaceae* species including *E.coli*, *Klebsiella pneumoniae*, *Pseudomonas aeruginosa* and *Acinetobacter baumannii*).

Recently the World Health Organization (WHO) published a special warning on AMR and classified 12 antibiotic resistant bacteria as “priority bacteria” as they pose greatest threat to human health (WHO, 2017). This has been widely published by Hindustan Times newspaper on 2nd March 2017. In this context, the study on the AMR and this project proposal on AMR in India is very relevant and it is of importance.

Novelty:

Antimicrobial Resistance (AMR) is a global concern as it is significantly affecting the mortality/morbidity rate as well as posing a great economic burden on health care system especially in India. In most of the cases the AMR profile is not generated. The novelty of our project lies in the fact that we propose the use of 2 drugs or 3 drugs new combination for the effective treatment of UTI and tackle the MDR pathogens causing UTI. As of now, we simply follow the CLSI guidelines and consider many existing antibiotics as obsolete and consider it as not useful. In this project, we are planning to redefine the MIC values based on the PK/PD clinical correlation. This antibiotic stewardship is very essential. Thus, this work can be used to inform and optimize antimicrobial use which is in accordance with the

objectives outlined by WHO in 2015, stating the need to develop evidence-based therapy in case of AMR which would curb the inappropriate use of antibiotics which is among the major contributor of AMR. Redefining the MIC values for the pathogens causing UTI will extend the life of available drugs at present to treat the patients, Repurposing of drugs and combination/synergy studies against the pathogens causing UTI will come up with a new drug combination through a possible strategy will be proposed to combat AMR through expert meetings.

Objectives:

1. Phenotypic and genotypic characterization of antimicrobial resistance (AMR) in the clinical isolates isolated from patients suffering from UTI.
 - a. To collect the clinical strains of *E. coli*, *Klebsiella spp*, *Proteus mirabilis*, *P. aeruginosa*, etc., from patients suffering with complicated/uncomplicated Urinary Tract Infections in the hospital settings or in the microbiology laboratories.
2. To estimate the concentration of drugs in patients and redefine the MIC values for the drugs used against UTIs to enable the extension of life for the available drugs.
 - a. To perform pharmacokinetics (PK) studies for the patients' plasma samples collected from the hospitals.
 - b. To redefine the MIC (resistance cut off) of the drugs against these pathogens.
3. Repurposing of the antimicrobial agents used to treat UTI and other FDA approved drugs against these pathogens.
 - a. To perform the synergy studies (*in vitro*) to bring a new combination of drugs against these pathogens (using 2 drugs and 3 drugs).
4. To study cytotoxicity of combination of drugs on the human cell lines.

Methodology:

Work Package (WP) 1: Phenotypic and genotypic characterization of antimicrobial resistance (AMR) in the clinical strains isolated from patients suffering from UTI.

a. Collection of clinical isolates:

The clinical isolates of *E. coli*, *Klebsiella spp*, *Proteus mirabilis*, *P. aeruginosa* etc. from the SRM University Hospital of Sonepat, Haryana, and Pathkind labs, Gurugram will be collected under the supervision of senior doctors. The clinical isolates will be collected from the urine samples of the patients suffering from UTIs with complete clinical history. The

strains from the urine samples of the patients suffering from diabetes will also be collected. Clinical isolates with patients' history will be collected from Pathkind lab and SRM Hospital.

b. *In vitro* susceptibility testing (MIC) and other *in vitro* studies:

The minimum inhibitory concentrations (MICs) of carbapenems and other drugs used to treat the UTIs will be determined against the clinical isolates using micro-broth dilution method recommended by Clinical and Laboratory Standards Institute (CLSI) guidelines. MIC_{50/90} will be defined as the minimum inhibitory concentration for 50%/90% of the clinical isolates.

WP2: Estimation of drug concentration in patients and Redefining the MIC (cut off for resistance) to extend the life of the available antimicrobial agents:

The plasma samples from patients will be quantified and the pharmacokinetics (PK) parameters will be determined to confirm if fluids are leading to sub-therapeutic concentrations.

a. Measurement of AUC, C_{max}, T_{1/2}, and other PK parameters of carbapenems and other drugs in the blood samples of the patients going through the treatment for the complicated and uncomplicated Urinary Tract Infections (UTI).

b. The pharmacokinetics (PK) and Pharmacodynamic (PD) parameters will be characterized by area under the concentration-time curve above the MIC (AUC/MIC) with a target 24-h AUC/MIC respectively (Duhani *et al*, 2010; Sandri *et al*, 2013; Lepak *et al*, 2017). The time-dependent pharmacodynamic parameter will be used for the meropenem with %fT>MIC of ≥40%. The fT>MIC (%) will be calculated using the following equation (Kuti *et al*, 2005).

c. Redefining MIC values in the clinical strains using the simulation studies from the available PK data.

The free concentration of drugs in the plasma of patients will be calculated first. The simulation studies will be carried out using the standard protocol to find out the available free drugs and correlated with present MIC values suggested in CLSI guidelines. If the available free drugs are more in the plasma samples, the MIC will be redefined to extend the life of the drugs used for treating UTIs. The same drugs can be used, though the MIC values mentioned in the CLSI guidelines indicate that the drug is resistant or intermediate resistant to the pathogen. Based on the data, the MIC value will be redefined at least for the drugs which

have the resistance mechanism through chromosomal mediated resistance and the free drug concentration significantly above the MIC values.

WP3: *In vitro* combination/ synergy studies:

Repurposing of drugs – for antimicrobial agents, anti-inflammatory drugs. The combinations of drugs, synergy studies, kill kinetics studies, etc. will be done to find out the potential new combination of drugs.

WP4: To assess cell cytotoxicity of combination of drugs on human cell lines using the standard method for the new combination of drugs.

WP5: Workshop/ Review meetings to discuss the strategy to combat AMR. The experts will be invited for the workshop and the results will be discussed for the way forward and the application of the point-of care technologies for future use.

Sample size -250-300 clinical isolates will be collected for the phenotypic and genotypic characterization.

Inclusion criteria: 1. Patient suffering from UTI both male and female including children.
2. Diabetes patients suffering from complicated UTI.

Exclusion criteria: 1. Patient suffering from other chronic disease. 2. Patients suffering from parasitic, viral, and other bacterial diseases.

➤ **Project implementation plan:**

Experimental Plan	1 st Year	2 nd Year	3 rd Year
1. Phenotypic and genotypic characterization of antimicrobial resistance (AMR) in the clinical isolates isolated from patients suffering from UTI.	X		
2. To estimate the concentration of drugs in patients and redefine the MIC values for the drugs used against UTIs to enable the extension of life for the available drugs.			X
3. Repurposing of the antimicrobial agents used to treat UTI and other FDA approved drugs against these pathogens.		X	
4. To study cytotoxicity of combination of drugs on the human cell lines.		X	

Ethics review: As per ICMR guidelines and University procedures.

Data collection & statistical analysis plan:

1000 samples representing different target groups will be subjected in this study for AMR quantification. At least 250-300 clinical isolates with complete clinical history will be further processed for phenotypic and genotypic characterization. Data collected will be analysed at bigger scale using well known statistical software package like MINITAB/R/SPSS, etc.

Expected outcomes:

- 1. Current status on the menace of AMR in the Urinary tract infection in Delhi region.
- 2. New treatment options (combination of 2 drugs or 3 drugs) to manage the Urinary tract infection due to MDR pathogens.
- 3. Antibiotic stewardship- The studies on PK/PD will redefine the MIC of the drugs before we consider these drugs are completely obsolete.

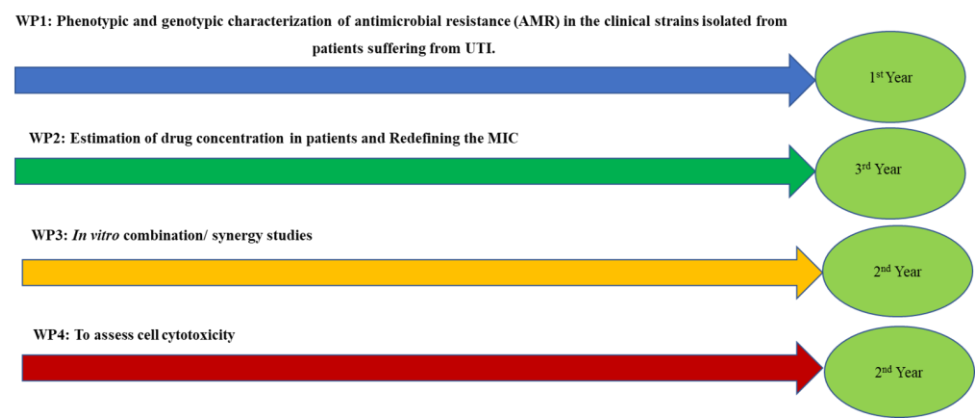
Limitations of this study:

The study will mainly focus on the *in vitro* characterization of AMR in pathogens causing UTI. With the limited budget, it is not possible to carry out any clinical trials in patients with the outcome of the results especially with the new combination of drugs.

Future plans based on expected outcomes if any:

- 1. Redefining the MIC values for the pathogens causing UTI will extend the life of available drugs at present to treat the patients.
- 2. Proposing a possible strategy to combat AMR through the point of care diagnostics, redefined MIC values and discussion with experts.
- 3. The new combinations of drugs with synergistic effect will be used for the treatment of complicated UTI and will be recommended to the ICMR & Ministry of Health for necessary action.

Timelines:



Institutional support: Infrastructure, equipment, given in the list and office support, 24x7 power supply, project management

List of facilities being extended by parent institution(s) for the project implementation:

1. Biosafety cabinets
2. BSL2 pressure system (by Blue Star)
3. Specially designed drug discovery labs
4. PCR machines
5. RT-PCR machines
6. Gel doc system (Bio-rad)
7. DNA gel electrophoresis systems (Bio-rad)
8. Protein SDS PAGE system (Bio-rad)
9. Western blotting system (Bio-rad)
10. Microscope with photography system
11. Cold Centrifuges & other centrifuges
12. BOD incubator
13. CO₂ Incubator
14. ELISA Reader/ Plate Reader
15. Autoclaves
16. Dryers & Mixers & hot plates
17. Water bath
18. Balances
19. Freezers
20. Deep freezers
21. All other necessary basic facilities for Microbiology & Biotechnology laboratories
22. Computers and internet and supporting office
23. Supporting staff
24. Uninterrupted Power supply for 24 hours
25. Meeting rooms/ facility for workshop
26. Bioinformatics Lab
27. Any other facility is needed will be provided by the University.

Budget:				
Budget Heads	Year 1	Year 2	Year 3	Total
Manpower (ICMR norms)				
Junior Research Fellow- 1	3,72,000	3,72,000	3,72,000	11,16,000
Equipments (-80°C Deep Freezer)	6,50,000	-	-	6,50,000
Recurring	9,25,000	7,25,000	5,25,000	21,75,000
Travel	1,50,000	2,00,000	2,00,000	5,50,000
Overhead (10%)	2,09,700	1,29,700	1,09,700	4,49,100
Total (in Rupees)	23,06,700	14,26,700	12,06,700	49,40,100

Publications of the Principal Investigator (Selected publications in last 5 years):

1. Barman, T.K., Kumar, M., Chaira, M., Ramkumar, G., Singhal, S., Rao, M., Mathur, T., Bhateja, P., Pandya, M., Ramadass, V., Chakrabarti, A., Das, B., Upadhyay, D.J., and **Raj, V. S.*** (2019). Potential of the fluoroketolide RBx 14255 against *Streptococcus pneumoniae*, *Neisseria meningitidis* and *Haemophilus influenza* in an experimental murine meningitis model. *Journal of Antimicrobial Chemotherapy* 74(7):1962-1970
2. Lun, S., Tasneen, R., Chaira, T., Stec, J., Onajole, O.K., Yang, T.J., Cooper, C.B., Mdluli, K., Converse, P., Nueremberger, E., **Raj, V.S.**, Kozikowski, A., Bishai, W.R. (2019). Advancing the therapeutic potential of indoleamides for tuberculosis. *Antimicrobial Agents and Chemotherapy* (Volume 63 Issue 7 e00343-19) doi:10.1128/ AAC.00343-19.
3. Rosa UA, Ribeiro GO, Villanova F, Luchs A, Milagres FAP, Komninakis SV, Tahmasebi R, Lobato MCABS, Brustulin R, Chagas RTD, Abrão MFNDS, Soares CVDA, Tinker RJ, Pandey RP, **Raj VS**, Sabino EC, Deng X, Delwart E, Costa ACD, Leal É. First identification of mammalian orthoreovirus type 3 by gut virome analysis in diarrheic child in Brazil. *Sci Rep.* 2019 Dec 9;9(1):18599. doi: 10.1038/s41598-019-55216-5.
4. Barman TK, Kumar M, Chaira T, Dalela M, Gupta D, Jha PK, Yadav AS, Upadhyay DJ, **Raj, V.S.**, Singh H. *In vivo* efficacy and pharmacokinetics of bi-aryl oxazolidinone RBx 11760 loaded polylactic acid- polyethylene glycol nanoparticles in mouse hematogenous bronchopneumonia and rat groin abscess caused by *Staphylococcus aureus*. *Nanomedicine.* 2018 Jun;14(4):1213-1225. doi: 10.1016/j.nano.2018.02.003.
5. Kozikowski, A.P., Onajole, O.K., Stec, J., Dupont, C., Viljoen, A., Richard, M., Chaira, T., Lun, S., Bishai, W.R., **Raj, V.S.**, Ordway, D., and Kremer, L. (2017). Targeting Mycolic Acid Transport by Indole-2- carboxamides for the Treatment of *Mycobacterium abscessus* Infections. *J. Med. Chem.* 60(13):5876-58882.
6. Barman, T.K., Kumar, M., Mathur, T., Chaira, T., Ramkumar, G., Kalia, V., Rao, M.,

Pandya, M., Yadav, A.S., Das, B., Upadhyay, D.J., Hamidullah, Konwar, R., **Raj, V.S.*** and Singh, H. (2016). *In vitro* and *in vivo* activities of a bi-aryl oxazolidinone RBx 11760 against Gram positive bacteria. Antimicrobial Agents and Chemotherapy 60 (12): 7134 – 7145.

7. **Raj, V.S.***, Barman, T.K., Kalia, V., Purnapatre, K., Dube, S., Ramkumar, G., Bhateja, P., Mathur, T., Chaira, T., Upadhyay, D.J., Surase, Y.B., Venkataramanan, R., Chakrabarti, A., Das, B., and Bhatnagar, P.K. (2014). A novel ketolide RBx14255 with activity against multi-drug resistant Streptococcus pneumoniae. Antimicrobial Agents and Chemotherapy 58 (8):4283-4289.

8. Shrestha B, Singh W, **Raj VS**, Pokhrel BM, Mohapatra TM. High prevalence of Pantone-Valentine leukocidin (PVL) genes in nosocomial-acquired Staphylococcus aureus isolated from tertiary care hospitals in Nepal. Biomed Res Int. 2014; 2014:790350. doi: 10.1155/2014/790350.



TELEGRAM .
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http://www.dsir.gov.in

26565687, 26562144

. 26562134, 26562122
FAX 26529745

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन, नया महरौली मार्ग,
नई दिल्ली - 110 016

MINISTRY OF SCIENCE AND
TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan, New Mehrauli Road
New Delhi - 110 016

GOVERNMENT OF INDIA



F.No. 11/637/2014-TU-V

Date: 1st May, 2017

The Director
SRM University
Plot No. 39, Rajiv Gandhi Education City,
P.S. Rai (Post Office),
Sonapat - 131 029
Haryana

Subject : Renewal of Recognition of Scientific and Industrial Research Organisations (SIROs).

Dear Sir,

This has reference to your application for renewal of recognition of SRM University, Sonapat, Haryana as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord renewal of recognition to SRM University, Sonapat, Haryana from 01.04.2017 upto 31.03.2020. The recognition is subject to terms and conditions mentioned overleaf.

3 Receipt of this letter may kindly be acknowledged.

Yours faithfully,

(Dr. S.K. Deshpande)
Scientist - 'G'

DECLARATION AND ATTESTATION

- i. I/We have read the terms and conditions for ICMR Research Grant. All necessary Institutional facilities will be provided if the research project is approved for financial assistance.
- ii. I/We agree to submit within one month from the date of termination of the project the final report and a list of articles, both expendable and non-expendable, left on the closure of the project.
- iii. I/We agree to submit audited statement of accounts duly audited by the auditors as stipulated by the ICMR.
- iv. It is certified that the equipment(s) is/are not available in the Institute/Department or these are available but cannot be spared for the project
- v. It is further certified that the equipment(s) required for the project have not been purchased from the funds provided by ICMR for another project(s) in the Institute.
- vi. I/We agree to submit (online) all the raw data (along with descriptions) generated from the project to the ICMR Data Repository within one month from the date of completion /termination of the project.

If any equipment already exists with the Department/Institute, the investigator should justify purchase of the another equipment.

Signature of the:

a) Principal Investigator Sant Singh

b) Co-Investigator(s) Ramendra Prasad Pandey

Ajmal Rijada

Poonima

c) Head of the Department Ajmal Rijada

Sant Singh

Signature of the Head of the Institution with seal

Date: 09.01.2020



DEAN ACADEMICS
SRM University Haryana
Plot No. 39, R.G.E.C. Rai,
Sonapat-131029(HR.)

052375



The Institution of Engineers (India)

MEMBERSHIP CERTIFICATE

This Certificate of
Fellow is Granted to


RANJIT ROY

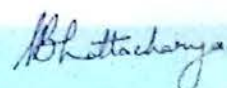
on the Twentysecond day of
July TWO ZERO TWO ZERO

In witness where of the said Institution has caused
its Common Seal to be affixed this Twentysecond
day of July TWO ZERO TWO ZERO



F-1267880


President


Secretary and Director General

Membership No. F -501935

Certificate No. 4894

**THE INSTITUTION OF ELECTRONICS AND
TELECOMMUNICATION ENGINEERS**



This Certificate is granted to

Dr Ranjit Roy

*on election as
Fellows*

of the Institution on the 05th day of October 2020

Witness our hand and seal at New Delhi

this 8th day of October 2020



President

Secretary General

This Certificate is the property of the Institution



Dr Qadar Pasha

November 06, 2019

Dr ARPANA VIBHUTI, Ph.D.
Associate Professor &
Head, Department of Biomedical Engineering & Biotechnology
SRM University Sonapat, Haryana

Dear Dr Arpana Vibhuti,

It gives me immense pleasure to let you know that we are organizing a one-day symposium namely, the National Leh Symposium 2019 at IGIB, Mall Road on November 15, 2019. It is primarily on cardiopulmonary diseases. This symposium is decided at a very short notice; it will start at 9:30am.

For this symposium, I would like you along with your colleagues to grace the occasion with active participation. The symposium will focus on cardiopulmonary diseases covering both clinical aspects and progress in basic research under normobaric and hypobaric hypoxia. Importantly, this symposium being in Delhi, I would like that you should consent to your participation. Please advise your PhD scholars to make poster presentation and compete for best poster award. I am equally confident that you wouldn't disappoint us.

Dr Bhuvnesh Kumar Director DIPAS, Prof Dr SS Kothari and Prof Dr Anita Saxena from AIIMS, Dr Prashant Bobhate, Kokila hospital, Mumbai, Prof Dr Ashok Shah, ex- faculty, VP Chest Instt and Dr T Norboo, Leh Ladakh are among the speakers. Other speakers would be from DIPAS, PGIMER, VPCI, CDRI & IGIB and also from SNM hospital, Leh, Ladakh etc. The scientific program has yet to be given final touches.

An early response will help us make the arrangements on time.

Warmly,

Qadar Pasha

Qadar Pasha, PhD
President, Asian-Pacific Society for Mountain Medicine
President, Hypobaric Hypoxia Society
Co-chair, High-altitude research taskforce PVRI, UK
Mob: +91 9818216390
Off: +91 11 27002249
Email: qpasha@igib.in; qadarpasha@hotmail.com



ramendra pati pandey <ramendra.pandey@gmail.com>

Welcome to Chennai

3 messages

Siva Kumar Shanmugam <shanmugamsiva27@gmail.com>

Sat, Jun 1, 2019 at 9:14 PM

To: drraghuveervarma@gmail.com, "Dr. Himadri Bhusan Bal" <drhbba@gmail.com>, ramendra pati pandey <ramendra.pandey@gmail.com>, Tamilazhagan S <tamilazhagan@gmail.com>, boopathi <bioboopathi@gmail.com>, Sabitha Ajit <sabithababy@gmail.com>, Sridhar Srinivasan <sridharsri@iisc.ac.in>, Kandarp Joshi <kandarpbioinfo@gmail.com>, Bhushan Toley <bhushan@iisc.ac.in>, dharitri.rath@yahoo.com, Sutapa_14@iitb.ac.in, dharitri@iisc.ac.in, spatil@nariindia.org, sutapac300@gmail.com, Marilyn Mary Ninan <marilyn@cmcvellore.ac.in>
Cc: VENKATESWARAN Seshasailam <sesha.venkateswaran@ed.ac.uk>, "Uma Devi K R." <umadevi.r@nirt.res.in>, "krumadevi@gmail.com" <krumadevi@gmail.com>, Srikanth Tripathy <srikanthtripathy@gmail.com>, Srikanth Prasad Tripathy <srikanth.p@nirt.res.in>

Dear All,
Hope all of you have packed your bags for chennai.

We have arranged a transport from airport to hotel Crown Plaza,

How to find your Vehical: A person from Crown Plaza with your name placards will be waiting at the airport arrival for you. He will put you in the hotel car.

Once you reach the hotel, you can check in with the hotel reception, introduce your self as UK -India work shop participants.

If you have any problem you can reach me at : 9600028149

Wish you all happy journey.

Regards

Dr. S Siva Kumar

Scientist C, Bacteriology Division

National Institute For Research in Tuberculosis, Chennai

Mobile: 9600028149

raghuveer varma pemmadi <drraghuveervarma@gmail.com>

Sat, Jun 1, 2019 at 9:16 PM

To: Siva Kumar Shanmugam <shanmugamsiva27@gmail.com>
Cc: "Dr. Himadri Bhusan Bal" <drhbba@gmail.com>, ramendra pati pandey <ramendra.pandey@gmail.com>, Tamilazhagan S <tamilazhagan@gmail.com>, boopathi <bioboopathi@gmail.com>, Sabitha Ajit <sabithababy@gmail.com>, Sridhar Srinivasan <sridharsri@iisc.ac.in>, Kandarp Joshi <kandarpbioinfo@gmail.com>, Bhushan Toley <bhushan@iisc.ac.in>, dharitri.rath@yahoo.com, Sutapa_14@iitb.ac.in, dharitri@iisc.ac.in, spatil@nariindia.org, sutapac300@gmail.com, Marilyn Mary Ninan <marilyn@cmcvellore.ac.in>, VENKATESWARAN Seshasailam <sesha.venkateswaran@ed.ac.uk>, "Uma Devi K R." <umadevi.r@nirt.res.in>, "krumadevi@gmail.com" <krumadevi@gmail.com>, Srikanth Tripathy <srikanthtripathy@gmail.com>, Srikanth Prasad Tripathy <srikanth.p@nirt.res.in>

Thanks a lot Dr.

cordially
Raghuveer
[Quoted text hidden]

ramendra pati pandey <ramendra.pandey@gmail.com>

Sun, Jun 2, 2019 at 2:55 PM

To: Siva Kumar Shanmugam <shanmugamsiva27@gmail.com>
Cc: drraghuveervarma@gmail.com, "Dr. Himadri Bhusan Bal" <drhbba@gmail.com>, Tamilazhagan S <tamilazhagan@gmail.com>, boopathi <bioboopathi@gmail.com>, Sabitha Ajit <sabithababy@gmail.com>, Sridhar Srinivasan <sridharsri@iisc.ac.in>, Kandarp Joshi <kandarpbioinfo@gmail.com>, Bhushan Toley <bhushan@iisc.ac.in>, dharitri.rath@yahoo.com, Sutapa_14@iitb.ac.in, dharitri@iisc.ac.in, spatil@nariindia.org, sutapac300@gmail.com, Marilyn Mary Ninan <marilyn@cmcvellore.ac.in>, VENKATESWARAN Seshasailam <sesha.venkateswaran@ed.ac.uk>, "Uma Devi K R." <umadevi.r@nirt.res.in>, "krumadevi@gmail.com" <krumadevi@gmail.com>, Srikanth Tripathy <srikanthtripathy@gmail.com>, Srikanth Prasad Tripathy <srikanth.p@nirt.res.in>

Dear Dr. Siva,
Thank you very much for your kind arrangement. Many many thanks!!
With Best Regards!

Ramendra

[Quoted text hidden]

--

Ramendra Pati Pandey

Assistant Professor

Biotechnology
SRM University
Delhi-NCR, Rajiv Gandhi Education City
Sonapat - 131 029, Haryana, India



UGC-DAE Consortium for Scientific Research

(Formerly: Inter University Consortium for DAE Facilities; IUC-DAE (An Autonomous Institution under University Grants Commission, New Delhi) (A Society Registered Under M.P. Society Registrations Act, 1973) Registered Office and Head Office : UGC-DAE Consortium, University Campus, Khandwa Road, Indore-452 017. Phone 0731-2463913/2762267/2463913 Fax: 0731-2462294/2465437

No. CSR/Accts/2017-18/ 274

13 June 2018

Speed Post

To
Registrar,
SRM University,
Sonapat,
Haryana - 131029

Sub. : Collaborative research titled "Effect of annealing temperature on ferrites" sanctioned to Dr. Anu Rana, Assistant Professor, Department of Physics, SRM University, Sonapat, Haryana - 131 029 (India)

Ref: Our letter No. CSR-IC/TIMR-08/CRS-275/2017-18/1281 dated 31 March 2018

Dear Sir,

An amount of Rs. 45,000/- has been deposited on 29-05-2018 in your Account No. 510909010045723 in City Union Bank, Karol Bagh, New Delhi - 110 005 towards grants sanctioned for year 2017-18 to CRS project mentioned above. UTR No. of above transaction is SBINR918145919949. Detail of sanction is as follows:

S. No.	Particulars	Amount (Rs.)
1.	Contingency	15,000.00
2.	Consumables	30,000.00
	Total Deposited Amount	45,000.00

The next instalment of money, if any sanctioned, will be released only on production of a statement of account and a utilization certificate (photo-copy of the format is enclosed herewith) from your institution.

The conditions for the award of the grant in aid have been set out in our earlier letter cited above.

Please acknowledge receipt of this letter and send us a stamped receipt by return of post.

Yours sincerely,

Administrative Officer-I (Accounts)

Encl. as above.

Copy to : 1. ✓ Dr. Anu Rana, Assistant Professor, Department of Physics, SRM University, Sonapat, Haryana - 131 029 (India)

2. Centre-Director, UGC-DAE CSR, Indore:



Leh Symposium 2018

Respiration under hypobaric hypoxia: Clinical and molecular portrayal

November 15-19, 2018

Lehsymp2018/Invitation/Nov/79

July 26, 2018

Dr. Arpana Vibhuti, Ph.D.
Associate Professor & Head
Department of Bioinformatics
SRM University, Sonipat, Haryana

Dear Dr. Arpana Vibhuti,

We are pleased to invite you to the 5th International Leh Symposium 2018 entitled 'Respiration under hypobaric hypoxia: Clinical and molecular portrayal'. The symposium is scheduled for November 15-19, 2018 in Gangtok, Sikkim, India.

We invite you to deliver a talk of about 20 mins duration on a topic of your choice. In addition, we would appreciate if you could lead the discussions and also the question hours after a talk. Your valuable observations & suggestions will be of much relevance to us for our future endeavors. Let one of your research scholars present a poster on your ongoing research.

The symposium will focus on fields like clinical, physiological and therapeutics with respect to both pulmonary (arterial) hypertension and health at high-altitude. A large number of national and international experts would share their research. One of our objectives of organizing this symposium has been to work towards inspiring the participants both young and senior clinicians and researchers to build research collaborations, national or international. We understand you have keen interest to understanding the respiratory dynamics and physiological alterations under high-altitude environment. It is here that, we strongly believed, an active researcher like you would benefit immensely.

We are pleased to offer you a maximum of 4 nights' accommodation for the symposium duration. Please visit the symposium website: www.lehsymposium.com for details and action. We seek your understanding and kind cooperation.

We look forward to welcoming you in Gangtok, Sikkim, India.

With warm wishes,

Qadar Pasha
Organizing Secretary
Lehsymposium2018

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