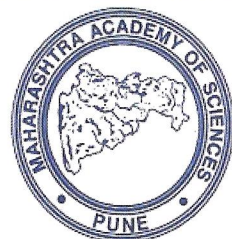


# MAHARASHTRA ACADEMY OF SCIENCES



*This is to certify that **Dr. Guleria Apurav** has been elected as a **Young Associate of Maharashtra Academy of Sciences** for his significant contributions in the field of **Chemical Sciences** in the year 2021.*

**Prof. G. D. Yadav**  
President

**Date: November 12, 2021**  
**Young Associateship No.: BYA124**

**Dr. Bharat B. Kale**  
Secretary

# The National Academy of Sciences, India



*Certified that **Dr. Brindaban Modak**, Scientific Officer-E, BARC, Mumbai, has been selected as a **Member of The National Academy of Sciences, India (NASI) in the year 2021.***

*We wish him success in every walk of life.*

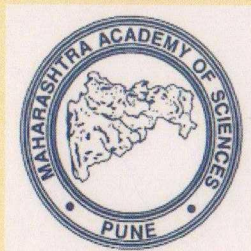
*Satya Deo*

*Prof. Satya Deo  
General Secretary(HQ),  
NASI, Prayagraj*

*Niraj Kumar*

*Dr. Niraj Kumar  
Executive Secretary,  
NASI, Prayagraj*

# MAHARASHTRA ACADEMY OF SCIENCES



*This is to certify that **Dr. Modak Brindaban** has been elected as a **Young Associate of Maharashtra Academy of Sciences** for his significant contributions in the field of **Chemical Sciences** in the year 2021.*

Prof. G. D. Yadav  
President

Date: November 12, 2021  
Young Associateship No.: BYA123

Dr. Bharat B. Kale  
Secretary



JAPAN SOCIETY FOR THE PROMOTION OF SCIENCE

日本学術振興会

(Award Letter)

JSPS/OF188

August 13, 2021

Fellowship ID S21114

Re: FY2021 JSPS Invitational Fellowships for Research in Japan (Short-term)

Dear Dr. CHILAKAPATI Murali krishna

I am pleased to inform you that the Japan Society for the Promotion of Science (JSPS) has decided to approve the application of Prof. NOOTHALAPATI Hemanth, Shimane University, and to invite you to Japan under the "FY2021 JSPS Invitational Fellowships for Research in Japan (Short-term)" to conduct research with your host researcher for a period of 32 consecutive days. Regarding the terms of the fellowship, please refer to the attached "Certificate of Financial Support."

For this Fellowship award to be valid, you must start your tenure in Japan within the period of October 1, 2021 through March 31, 2022.

After reading the enclosed booklet "Program Guidelines," if you agree to all of the conditions stipulated therein and decide to accept the Fellowship, please sign Form 1 "Notice of Acceptance and Agreement" to JSPS via your host researcher.

In the future correspondence with JSPS, please use your above-indicated Fellowship ID number.

Sincerely yours,

Dr. SATOMI Susumu

President

Japan Society for the Promotion of Science

- Enclosures:
1. Certificate of Financial Support
  2. Program Guidelines (FY2021)
  3. Air Ticket Application Information
  4. A Guide to the Insurance Policy

cc: Prof. NOOTHALAPATI Hemanth, Shimane University (Host Researcher)

経費負担証明書  
(CERTIFICATE OF FINANCIAL SUPPORT)

学振交第 188 号  
令和 3 年 8 月 13 日  
August 13, 2021  
Fellowship ID S21114

氏名 (Name) : CHILAKAPATI Murali krishna  
国籍 (Nationality) : インド (INDIA)  
生年月日 (Date of Birth) : 1967 年 3 月 4 日 (March 4, 1967)

本会は、外国人研究者招へい事業（外国人招へい研究者（短期））により、下記受入研究者が招へいする上記の者に対し、下記のとおり、支給経費の援助を行う。

なお、上記の者は採用期間中、日本に滞在し、受入研究機関において討議・意見交換・講演等を行う。

The Japan Society for the Promotion of Science (JSPS) has awarded a fellowship to the above named person (Fellow) under the "JSPS Invitational Fellowships for Research in Japan (Short-term)." The fellowship is granted based upon the invitation of the Japanese host researcher.

The Fellow will participate in discussions, attend seminars, give lectures or perform similar duties at the host institution indicated below. The terms of the fellowship are as follows:

記

受入研究者： 島根大学  
農生命科学系  
助教 ノータラパティ ヘマンス  
Host Researcher: Prof. NOOTHALAPATI Hemanth  
Institute of Agricultural and Life Sciences  
Shimane University

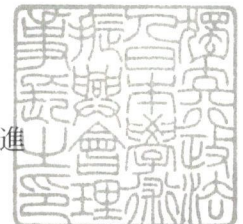
採用期間： 令和 3 年度中（令和 3 年 10 月 1 日から令和 4 年 3 月 31 日まで）に来日し、32 日間  
Fellowship Tenure: 32 consecutive days from the arrival date in Japan, which must be within the Japanese 2021 fiscal year (from October 1, 2021 to March 31, 2022)

支給経費： 1) 往復渡航費 本会の規程による。  
Financial Support: Round-trip air ticket issued according to JSPS regulations  
2) 滞在費 日額 18,000 円  
Maintenance allowance: ¥18,000 per day  
3) 調査研究費 上限 150,000 円  
Research support allowance: Up to ¥150,000  
4) 海外旅行保険  
Overseas travel insurance

\* ただし、採用期間開始前から既に日本国内に居住している場合は、本会は来日に係る渡航費は支給しない。

If the Fellow is already residing in Japan when the fellowship commences, the above-mentioned air ticket to Japan will not be provided.

独立行政法人日本学術振興会  
理事長 里見 進



Dr. SATOMI Susumu  
President

(印影印刷)

Japan Society for the Promotion of Science



**CHEMICAL RESEARCH SOCIETY OF INDIA**



*The CRSI Bronze Medal*

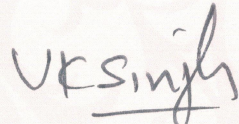
*was conferred on*

**Dimple P. Dutta**

BARC, Mumbai

*for Significant Contributions  
to the Studies of Nanomaterials*

Sept. 2021



President  
CRSI



**CHEMICAL RESEARCH SOCIETY OF INDIA**



*The CRSI Silver Medal  
was conferred on*

**Dr. Hirendra N. Ghosh**

INST, Mohali

*for "Outstanding Contributions  
in the Field of Ultrafast Spectroscopy"*

*U K Singh*

President  
CRSI

July 2022



Shot on OnePlus

By m.j mm

Date: 31.03.2022

**Manimala Mitra**  
**Institute of Physics, Bhubaneswar, India**

**IPPP DIVA Award 2022-2023**

Dear Manimala,

I am happy to inform you that you have been awarded an **IPPP DIVA Award** spanning the period from today until 31<sup>st</sup> March 2023 with a cash value of £5000 to facilitate your visits to the UK and to collaborate with Jessica Turner. The IPPP contact person for your award will be Michael Spannowsky.

We hope that the DIVA Award will help to support the collaboration between the beneficiary, the beneficiary's Institution and the UK community. In order to make the announcement of the DIVA Award can you please let us know if you will accept the award by 15<sup>th</sup> April 2022. Please include a photograph of yourself which we can include with the announcement and which can be displayed on our webpage.

For financial claims of your expenses please contact Joanne Bentham ([joanne.bentham@durham.ac.uk](mailto:joanne.bentham@durham.ac.uk)). At the end of the DIVA, we would appreciate a short report, describing the impact of the award and a brief description of how the award has been spent.

Congratulations on your award. We look forward to welcoming you in the coming year,

Yours Sincerely,



**Professor M. Spannowsky**  
**Director**  
Institute for Particle Physics Phenomenology  
Ogden Centre for Fundamental Physics  
Science Laboratories South Road Durham DH1 3LE

Telephone +44 191 3343811 Fax +44 191 3343658  
[www.ippp.dur.ac.uk](http://www.ippp.dur.ac.uk)





प्रोफेसर चंद्रिमा शाहा  
अध्यक्ष

**Prof. Chandrima Shaha**  
**President**

भारतीय राष्ट्रीय विज्ञान अकादमी  
बहादुर शाह ज़फ़र मार्ग, नई दिल्ली-110002  
INDIAN NATIONAL SCIENCE ACADEMY  
Bahadur Shah Zafar Marg, New Delhi-110002

No. CC/  
05 October, 2021

### INSA Medal for Young Scientist (2021)

Dear Dr Haque,

It gives me a great pleasure to inform that you have been awarded the prestigious INSA Medal for Young Scientist (2021). You have shown great potential to be a leader in research. I sincerely hope that you will continue to strive hard to reach your potential and to prove your leadership in the coming years. Please accept my heartiest congratulations. I am sure you will rise high and win many laurels in coming years.

INSA Young Scientist Medal award carries a bronze medal, certificate and honorarium of Rs. 1,00,000/-.

Once again I congratulate you for winning this prestigious award of INSA Medal for Young Scientist (2021).

With best wishes and regards,

Yours sincerely,

*Chandrima Shaha*  
(Chandrima Shaha)

To:

**Dr Najmul Haque**

Room No. FC 120

**National Institute of Science Education and Research (NISER)**

PO- Bhipur-Padanpur, Jatni

Bhubaneswar- 752050

# THE NATIONAL ACADEMY OF SCIENCES, INDIA



**PROF. OISHEE CHAKRABARTI**

has been elected

**Fellow**

of

**The National Academy of Sciences, India (NASI)**

in the year 2021

for her pioneering work involving

**Molecular and Cell Biology/  
Neurodegeneration/Organellar Dynamics.**

*Satyadeo*

GENERAL SECRETARY

*Ashutosh*  
PRESIDENT



**NELSON MANDELA  
NOBLE PEACE AWARD - 2021**

*Presented to.*

**DR. RAJENDRA A. BADWE**

*(HUMANITARIAN SERVICES & CORPORATE BUSINESS)*

*For His Nobel & Excellent Contribution For Peace Building,  
Peace Loving, Peace Living to Serve the humanity  
beyond all boundaries through Social Welfare Activities.*

*Awarded On.*

*30th October, 2021, At Hotel Sahara Star, Nehru Road,  
Opp. Domestic Airport Navpada, Vile Parle (East),  
Vile Parle, Mumbai, Maharashtra - 400099.*



*TRUSTEE AND PRESIDENT*  
**DR. RAJKUMAR TAK**  
IIRM & NMSPA



**NELSON MANDELA  
PEACE UNIVERSITY**  
*— HUMANITY DIVINITY —*

*FOUNDER & CHAIRMAN*  
**BISHOP DR. K. JOHNSON**  
B.A., M.DIV., D.D., Ph.D., LLB



सत्यमेव जयते

**SHRI. SHRIPAD NAIK**  
MINISTER OF STATE FOR  
PORTS, SHIPPING, WATERWAYS & TOURISM,  
GOVERNMENT OF INDIA



# St. Mother Theresa University



J&B Registrars  
HARVARD

Digital Education Excellence and Sustainability Development and World Peace

Accredited by World Sign JBR HARVARD, USA

Affiliated to Cambridge School of Distance Education, UK

The Evaluation Board of Education Standard Accreditation Council  
On the recommendation of the Faculty and by virtue of  
the Authority vested in them have conferred on

**Dr. Rajendra A Badwe**

Having successfully completed the requirements and therefore

He is awarded

**Honorary Doctorate**

(Honoris Causa) in

**Humanitarian Services & Corporate Business**

With the rights and privileges there unto appertaining on the

"Thirtieth October Twenty Twenty One @ Mumbai, Maharashtra, INDIA"



Prof. James Francis Kerr  
Vice-Chancellor SMTU  
AUSTRALIA



Dr. R. Vijaya Saraswathy  
Founder President &  
Pro- Vice Chancellor, SMTU



**CHEMICAL RESEARCH SOCIETY OF INDIA**



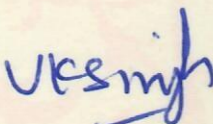
*The CRSI Bronze Medal  
was conferred on*

**Dr. R.S. Ningthoujam**


BARC, Mumbai

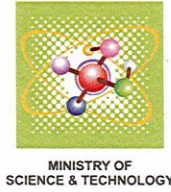
*for "Notable Contributions  
in the Area of Nanomaterials"*

March 2022



President  
CRSI





भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
बायोटेक्नोलॉजी विभाग  
ब्लॉक-2, 7 वां तल, सी० जी० ओ० कम्पलेक्स  
लोदी रोड, नई दिल्ली-110003

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
Block-2, 7th Floor C.G.O. Complex  
Lodi Road, New Delhi-110003

Dr. (Mrs.) Meenakshi Munshi  
Adviser/Scientist 'G'  
Ph. 011-24361035  
Email: [rlsfellowship@dbt.nic.in](mailto:rlsfellowship@dbt.nic.in)

D.O. NO. BT/HRD/35/02/2006

Dated: 30<sup>th</sup> March, 2021.


Dear Dr. Khadilkar,

I am pleased to inform you that you have been selected for 'Ramalingaswami Re-entry Fellowship' of the Department of Biotechnology, Govt. of India for the year 2020-2021. This is one of our most prestigious fellowships and I congratulate you on being selected for the same.

During the tenure of your fellowship, you will receive a fellowship amount of Rs.1,00,000/- per month, House Rent Allowance (HRA) @ Rs.18,500/- P.M., Research/Contingency grant of Rs.10,00,000/- for 1<sup>st</sup> & 2<sup>nd</sup> year, Rs. 7,50,000/- for 3<sup>rd</sup> & 4<sup>th</sup> year and Rs. 5,00,000/- for 5<sup>th</sup> year. In addition, an institutional overhead @ Rs. 50,000/- per year will also be provided.

The terms and conditions for availing the fellowship are enclosed. Kindly send your acceptance along with the terms & conditions duly forwarded by the head of the host institute to **DBT-HRD PMU, Regional Centre for Biotechnology, NCR Biotech Science Cluster, Haryana -121001 Faridabad** (Tel. Phone No. +91-129-2848775, 2848539, Email: [rfr.dbt@rcb.res.in](mailto:rfr.dbt@rcb.res.in)). Once you join the host institute, you may submit a copy of your joining report as 'Ramalingaswami Re-entry Fellow' duly forwarded by the Host Institute (HI) along with the bank account details of your HI as per the attached format to enable us to issue a formal sanction order. Please note that you have to join your host institute within **Nine Months** from the date of issue of this letter.

With best wishes,

Yours Sincerely  
  
(Meenakshi Munshi)

Dr.Rohan Jayant Khadilkar  
Scientific Officer D,  
ACTREC –  
Tata Memorial Center, Navi Mumbai  
[rkhadilkar@actrec.gov.in](mailto:rkhadilkar@actrec.gov.in), [rohan.res@gmail.com](mailto:rohan.res@gmail.com)



डॉ. रेणु स्वरूप  
DR. RENU SWARUP

सचिव  
भारत सरकार  
विज्ञान और प्रौद्योगिकी मंत्रालय  
जैव प्रौद्योगिकी विभाग  
ब्लॉक-2, 7वां तल, सी० जी० ओ० काम्पलेक्स  
लोधी रोड, नई दिल्ली-110003  
SECRETARY  
GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE & TECHNOLOGY  
DEPARTMENT OF BIOTECHNOLOGY  
Block-2, 7th Floor, C.G.O. Complex  
Lodhi Road, New Delhi-110003

COMP.N.12433/9769

17<sup>th</sup> February, 2021

Dear Dr. Rohan Khadilkar

I am pleased to inform you that you have been selected for the **"Har Gobind Khorana- Innovative Young Biotechnologist Award for the year 2020"**. This is a Prestigious Award of Department of Biotechnology, Govt. of India to identify and nurture outstanding young scientists with innovative ideas for pursuing research in frontier areas of Biotechnology. I extend my heartiest congratulations to you for selection to this Award.

You may send your acceptance to Dr. Deo Prakash Chaturvedi, Scientist 'C', Department of Biotechnology, Govt. of India at his email id [deo.prakash@dbt.nic.in](mailto:deo.prakash@dbt.nic.in).

With best wishes,

Yours sincerely,

(Renu Swarup)

**Dr. Rohan Jayant Khadilkar**

Scientific Officer D

Advanced Centre for Treatment Research and Education in Cancer (ACTREC),

Tata Memorial Centre,

Mumbai-410210

Email: [rkhadilkar@actrec.gov.in](mailto:rkhadilkar@actrec.gov.in), [rohan.res@gmail.com](mailto:rohan.res@gmail.com)



डॉ. शेखर चिं. मांडे

एफएनए, एफएएससी, एफएनएससी

सचिव

वैज्ञानिक और औद्योगिक अनुसंधान विभाग तथा

महानिदेशक

**Dr. Shekhar C. Mande**

FNA, FASc, FNASc

Secretary

Department of Scientific & Industrial Research and  
Director General



भारत सरकार

विज्ञान और प्रौद्योगिकी मंत्रालय

वैज्ञानिक तथा औद्योगिक अनुसंधान परिषद

वैज्ञानिक और औद्योगिक अनुसंधान विभाग

Government of India

Ministry of Science and Technology

**Council of Scientific & Industrial Research**

Department of Scientific & Industrial Research

DG/HRD/SSB-21/Awardee(8)

26 September 2021

Dear Dr. Saurabh,

I am happy to inform that you have been selected for the award of **"Shanti Swarup Bhatnagar (SSB) Prize"** for the year 2021 in Mathematical Sciences.

Please accept my heartiest Congratulations !

It is a rare distinction conferred upon scientists, who have demonstrated exceptional potential in Science and Technology. The award derives its value from its rich legacy of those who won this award before and added enormous value to Indian Science. I am certain that this recognition would encourage you and your group to scale new heights in the years to come. Now, the Nation will look upon you with higher expectation.

The SSB Prize comprising a citation, a plaque and cash prize of Rs. 500000/- (Five lakh rupees) would be presented to you at a formal function, generally presided over by the Hon'ble Prime Minister of India, who is the President, CSIR. In addition, CSIR will grant a special honorarium of Rs 15000/- p.m. with effect from 1<sup>st</sup> January 2022. I enclose a draft citation to be read at the Award Ceremony. Kindly verify the citation for factual accuracy. In case there is any inaccuracy in it, please intimate the same immediately.

On behalf of CSIR and on my own behalf, I extend to you very best wishes for a glorious future.

With warm regards,

Yours sincerely,

[Shekhar C Mande]

**Dr. Saket Saurabh**

**The Institute of Mathematical Sciences**

Chennai 600 113

Email: [saket@imsc.res.in](mailto:saket@imsc.res.in); [saket.sa@gmail.com](mailto:saket.sa@gmail.com)



## Citation

The Shanti Swarup Bhatnagar Prize for the year 2021 in **Mathematical Sciences** has been awarded to **Dr Saket Saurabh** of **Institute of Mathematical Sciences, Chennai**. Dr Saurabh has made fundamental contributions to the area of Parameterized Complexity and for leading the field by initiating new research directions to the community

# MAHARASHTRA ACADEMY OF SCIENCES



*This is to certify that **Dr. Gupta Santosh Kumar** has been elected as a **Young Associate of Maharashtra Academy of Sciences** for his significant contributions in the field of **Chemical Sciences** in the year 2021.*

**Prof. G. D. Yadav**  
President

Date: November 12, 2021  
Young Associateship No.: BYA115

**Dr. Bharat B. Kale**  
Secretary



**Approval Letter**

**File Number: SB/SJF/2021-22/14**

**Dated: 01-12-2021**

**Subject:** Project titled “Scattering Amplitudes and Flat Space Holography”.

Dear **Dr. Shamik Banerjee,**

We are pleased to inform your selection to the **Swarnajayanti Fellowship 2020-21**. Many congratulations on behalf of Science and Engineering Research Board (SERB) on your achievement. The above referred research proposal submitted alongside your Swarnajayanti Fellowship application has been recommended by the SERB for funding. The following are the items recommended for a period of five years.

Budget Head	Details
Non-recurring:	Rs. 5 Lakhs; (a) Desktops/Laptops
Recurring:	
Swarnajayanti Fellowship	As per norms
Manpower	R.A-I (01 No.), Emoluments as per norms
Consumables	Rs. 1.0 Lakhs
Travel	Rs. 6 Lakhs
Contingencies	As per norms
Other costs	Nil
Overheads	As per norms

As you are aware, you will receive the fellowship of Rs.25000/- pm, in addition to your monthly salary from your institute, for a period of 5 years, and this amount will be built in the project grant. It may be noted that the Swarnajayanti Fellowship amount is taxable.

The final budget to be sanctioned and released will be based on quotations received, existing norms, fund availability etc. We request you to send your acceptance of the above budgetary allocation along with the requisite documents (*See Annexure – I enclosed*) by email.

These documents may please be sent by email to the undersigned at [prasanna@serb.gov.in](mailto:prasanna@serb.gov.in) before **10.12.2021**.

Kindly note that this is not a sanction order. Upon receipt of your documents, SERB will issue a sanction order, itemising the final budget, and terms and conditions of the project grant. It may be noted that the Swarnajayanti Fellowship is now completely integrated into the portfolio of SERB’s programs. SERB will be funding both the fellowship and the project component.

You may call 011 – 26511081, 26511173 or write to us for any clarifications.

Best wishes,

(**Dr. S.V. Prasanna**)  
Scientist, SERB-DST  
Email: [prasanna@serb.gov.in](mailto:prasanna@serb.gov.in)  
Tel: 011 – 26511081

To,

**Dr. Shamik Banerjee**  
Institute of Physics  
Sachivalaya Marg, Bhubaneswar – 751005, Odisha

List of Documents to be submitted

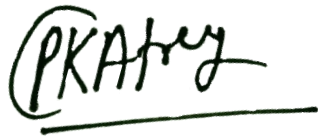
1. Lowest quotation for the approved equipment(s) (including freight, insurance, customs charges etc.,) (if any). If the quotation submitted exceeds the initially recommended budget, it is kindly requested to send an email stating that any excess costs will be met from other sources.
2. Salary structure for the project staff as per your host institution norms (including HRA), if any. (**Template enclosed**)
3. RTGS details of the implementing institute to facilitate transfer of the fund as per the template (**template enclosed**).
4. A certificate stating that any visit abroad for a period more than eight weeks continuously would be undertaken after due permission from SERB.
5. An undertaking on 'Plagiarism' (**template enclosed**).
6. Endorsement Certificate (**template enclosed**).

# Jaidutt Saraswati Sodha PSSI Plasma Award 2021

*Certificate Of Merit*

The Jaidutt Saraswati Sodha PSSI Plasma Award for the year 2021 is awarded to **Shantanu Kumar Karkari** of the **Institute for Plasma Research, Gandhinagar** for his significant research contributions through publications in reputed journals in plasma physics.

This award is presented to him/her at the 36th National Symposium on Plasma Science & Technology (PLASMA-2021) organized by the Plasma Science Society of India (PSSI) and the Birla Institute of Technology, Mesra, Jaipur Campus, from 13-15 December, 2021.



Dr. P. K. Atrey  
President, PSSI

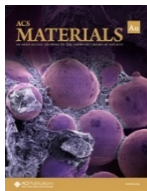


Plasma Science Society of India

14-Dec-2021  
Jaipur



Dr. Anand Kumar Srivastava,  
Convener, PLASMA-2021



Stephanie L. Brock, Deputy Editor  
Maksym V. Kovalenko, Associate Editor  
Mary Ann Meador, Associate Editor  
*ACS Materials Au*

January 16, 2022

Sudip Chakraborty, Reader

Harish-Chandra Research Institute (HRI) Allahabad

RE: Invitation to submit an Article, Letter, or Perspective to *ACS Materials Au* for our 2022 **Rising Stars** Virtual Special Issue.

Dear Sudip,

You may be aware that ACS has launched a suite of nine gold open access journals publishing in specific areas of chemistry and interfacing areas. These titles meet the publishing needs of researchers who choose or are required by their funders to publish in fully open access journals. Shelley Minter will lead the suite of titles as the inaugural Editor-in-Chief, and we will serve as Deputy Editor and Associate Editors for *ACS Materials Au*. You can find more information in Shelley's editorial: "Funding Mandates and the Launch of Nine Fully Open Access ACS Au Journals" (<https://pubs.acs.org/doi/10.1021/acsmaterialsau.1c00003>).

*ACS Materials Au* is a fully open access journal that aims to publish high-quality research at the forefront of fundamental and applied materials research and at the interface between materials and other disciplines, such as chemistry, engineering and biology. Our scope encompasses that of the ACS hybrid journals *Chemistry of Materials*, *ACS Applied Materials and Interfaces*, and *ACS Materials Letters*, and our mission includes ensuring the quality of work published in *ACS Materials Au* meets the standards set by these sister journals. We have published three issues, which you can access from the journal homepage (<https://pubs.acs.org/journal/amacgu>), but are already looking to the future. In particular, we are planning a virtual special issue in 2022 comprising the work of **Rising Stars** in Materials Research. This collection will be populated by contributions from outstanding early-career researchers; the contributions will be published throughout the year, then gathered into a virtual collection. Both the research and the Rising Star will be highlighted, and the collection will be widely publicized by ACS Publications.

We had an open call for nominations, and yours were among the 300+ nominations we received. Based on your record of accomplishment and future promise, we would like to invite you to join the inaugural cohort of *ACS Materials Au* **Rising Stars**. You may choose to submit a Perspective (preferred), Letter, or Article. Please see the author guidelines ([https://publish.acs.org/publish/author\\_guidelines?coden=amacgu](https://publish.acs.org/publish/author_guidelines?coden=amacgu)) for more information about these publication types. To facilitate your participation, I am happy to offer you a full waiver of the Article Publication Charges (via an APC voucher) so that you can publish gold open access at no out-of-pocket cost to you.

If you plan to accept this invitation, please do let us know within the next two weeks so we can set aside an APC voucher for you. If you can also tell us the manuscript type and estimated submission date, that would be helpful for planning purposes. For an accompanying editorial in the virtual collection, and for general advertising, we will also request a suitable photograph of you. This may be included with the manuscript submission, or emailed directly to me.

In the meantime, should you have any questions about the process or the journal, please don't hesitate to reach out.

With best regards,

A handwritten signature in blue ink that reads "Stephanie L. Brock".

Stephanie L. Brock, *On behalf of Stephanie L. Brock, Maksym Kovalenko, and Mary Ann Meador*



**CHEMICAL RESEARCH SOCIETY OF INDIA**



**The CRSI Bronze Medal**

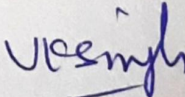
*was conferred on*

**Dr. U. Lourderaj**

NISER Bhubaneswar

*for "Notable Contributions  
in the Area of Chemical Reaction Dynamics"*

March 2022



President  
CRSI



# THE NATIONAL ACADEMY OF SCIENCES, INDIA



**DR. SUDARSAN VASANTHAKUMARAN**

has been elected

**Fellow**

of

**The National Academy of Sciences, India (NASI)**

in the year 2021

for his pioneering work involving

**Solid State Chemistry/ Luminescence.**

*Salya Deo*

GENERAL SECRETARY

*Ashtak*

PRESIDENT



# MAHARASHTRA ACADEMY OF SCIENCES



*This is to certify that **Dr. Gupta Vinita Grover** has been elected as **a Fellow of Maharashtra Academy of Sciences** for her significant contributions in the field of **Chemical Sciences** in the year 2021.*

Prof. G. D. Yadav  
President

Date: November 12, 2021  
Fellowship No.: BLF 1121

Dr. Bharat B. Kale  
Secretary



JNCASR



जवाहरलाल नेहरू  
उन्नत वैज्ञानिक  
अनुसंधान केंद्र

Jawaharlal Nehru  
Centre For Advanced  
Scientific Research

प्रो. जी. यु. कुलकर्णी  
अध्यक्ष

December 29, 2021

Prof. G. U. Kulkarni FASc, FNASc.  
President

Prof. A.K. Tyagi, FNASc, FRSC  
Associate Director, Chemistry Group  
Sr. Professor, Homi Bhabha National Institute  
Bhabha Atomic Research Centre (BARC)  
Mumbai 400 0094  
Email: [aktyagi@barc.gov.in](mailto:aktyagi@barc.gov.in)

Sub : A.V. Rama Rao Foundation Lectures in Chemistry

Dear Prof. Tyagi,

The A.V. Rama Rao Foundation, Hyderabad, has instituted a lecture series in Chemistry at the Centre during the year 1989. The Centre invites eminent scientists to deliver the lecture, annually.

I am pleased to inform you that you have been selected to deliver A.V. Rama Rao Foundation Lecture in Chemistry for the year 2022. The Foundation Lecture carries a token honorarium of Rs.50,000/- instituted by Dr. A.V. Rama Rao of AVRA Laboratories.

The lecture will be on a topic of your choice. We plan to schedule this lecture in January/February, 2022 and it would be a pleasure for us to host you at the Centre. However, keeping in mind the current pandemic situation, we shall keep you informed about the exact date, time and mode of lecture (physical or online). In the meanwhile, I would appreciate to receive your acceptance.

With best regards,

G U Kulkarni

Prof. Tyagi,  
Wish you & your family  
a very Happy New Year!

जक्कूर, बेंगलुरु - 560064  
कर्नाटक, भारत  
Jakkur, Bengaluru - 560064  
Karnataka, INDIA

+91 80 2208 2752  
+91 80 2362 2762

[president@jncasr.ac.in](mailto:president@jncasr.ac.in)

[www.jncasr.ac.in](http://www.jncasr.ac.in)

विज्ञान एवं प्रौद्योगिकी विभाग,  
भारत सरकार के अधीन  
एक स्वायत्त संस्था  
मान्यता प्राप्त विश्वविद्यालय

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Technology, Govt. of India.

Deemed-to-be-University



## THE NATIONAL ACADEMY OF SCIENCES, INDIA (NASI)

(A Scientific Professional Body financially supported by  
Department of Science & Technology, Government of India)

**Prof. Satya Deo**

Ph.D. (Arkansas, USA), FNASc

**General Secretary (HQ), NASI**

**Formerly Vice Chancellor**

**APS University, Rewa (M.P.)**

5, Lajpatrai Road,

Prayagraj - 211 002

Phone: +91 532 2640224 (0)

Emails : nasi.prayagraj@gmail.com

नासि/219/10/2021

October 19, 2021

**Dr. Avesh K. Tyagi**

Associate Director, Chemistry Group

**BARC, Mumbai-400085**

and Senior Professor (Chemical Sciences)

Homi Bhabha National Institute

Anushaktinagar,

Mumbai-400094

Dear Dr. Tyagi,

**Greetings from the NASI !**

I am happy to inform that you have been selected by the Academy for **Prof. N.R. Dhar Memorial Lecture Award 2021.**

Heartiest congratulations for this coveted award, which was instituted in the year 1990; Prof. N.R. Dhar Memorial Lecture award may be delivered in an area of Chemistry, preferably having an impact on agriculture. The award comprises a gold medal, a citation and a cash award of Rs. 50,000/-

After receiving your kind consent/ acceptance, we will mutually decide the date of holding the aforesaid award lecture. You are also requested to provide a written script of your lecture which the Academy would suitably publish.

With best wishes and regards,

Yours sincerely

(Satya Deo)  
General Secretary (HQ)

# Prof. De Aditi Sen

---

Ph.D. (Gdansk)

Elected into the fellowship in 2022 under the Physics section

Specialization: Quantum Information & Computation, Condensed Matter Physics, Quantum Optics



## Contact:

Last known address:

Professor H, Harish Chandra Research Institute, Chhatnag Road, Jhansi  
Allahabad 211 019, U.P.

Office: (0532) 227 4410

Preferred Email: [aditi@hri.res.in](mailto:aditi@hri.res.in)

Web page: <http://www.hri.res.in/~aditi/>



## **CITATION BROCHURE**

**Infosys Prize 2021 | Physical Sciences**

\*These writeups will be used in our brochure, citation certificate, and website

## **BEDANGADAS MOHANTY**

### **Short citation (57/60 words)**

The Infosys Prize in Physical Sciences is awarded to Bedangadas Mohanty for investigations of the nuclear force. At the Brookhaven National Laboratory and the European Organization for Nuclear Research he determined the transition temperature of the quark-gluon plasma to hadronic matter, observed heavy antimatter nuclei, observed nuclear spin-orbital angular momentum interactions, and other effects in quark-gluon plasma.

### **Expanded citation (134/140 words)**

Bedangadas Mohanty expanded our understanding of the strong nuclear force. He is a leader in the STAR experiment at the Brookhaven National Laboratory and the ALICE experiment at the European Organization for Nuclear Research. When a quark-gluon plasma (QGP) is formed in high energy nuclear collisions, it “coagulates” into ordinary hadronic matter via a phase transition. From these experiments Mohanty measured the temperature at which this happens and elucidated various other properties of the QGP.

Additionally, Prof. Mohanty was the first to observe heavier-than-hydrogen nuclei made of antimatter, to first to observe the formation of a QGP fluid with the largest known vorticity, and to study the physics of particle-production mechanisms, fragmentation processes and parton energy loss in the QGP medium. Finally, we note his contributions to searches for fractionally charged particles and Disoriented Chiral Condensates.

### **Bio (135/140 words)**

Prof. Bedangadas Mohanty is an experimental high energy physicist at the National Institute of Science Education and Research in Bhubaneswar and at the Homi Bhabha National Institute in Mumbai. He earned his B.Sc. and his M.Sc. in Physics from Utkal University, Bhubaneswar, placing first in both cases, and his Ph.D. from the Institute of Physics, Bhubaneswar.

Prof. Mohanty is a Fellow of the Indian National Science Academy, New Delhi, of the Indian Academy of Sciences, Bangalore, of the National Academy of Sciences, India, and of the American Physical Society in the USA.

He has held Fellowships and post-doctoral positions at the Variable Energy Cyclotron Centre (Kolkata) and at the Lawrence Berkeley National Laboratory (USA). He has won the Shanti Swarup Bhatnagar Award (2015), the Swarna Jayanti Fellowship (2010-11), and the INSA Young Scientist Medal (2003).

### **Scope and Impact of work (232/240)**

Prof. Bedangadas Mohanty's contributions have pushed the frontiers of our knowledge of the strong nuclear force.

Known as an energetic leader, he has driven the programs in the STAR experiment at Brookhaven National Lab (USA) and at the ALICE experiment at the European Organization for Nuclear Research (CERN, Switzerland) where he directed efforts towards elucidating important physics results. The quark-gluon plasma (QGP) formed at high nuclear densities and high temperatures cools down to ordinary hadronic matter via a phase transition. By studying, for instance, swings in the net baryon number at the critical point, Prof. Mohanty measured the temperature (around a trillion Kelvin) at which this happens. The implications of this measurement are far-reaching and go beyond nuclear physics, particularly in astrophysics and cosmology.

Prof. Mohanty's work that demonstrated various aspects of the QGP is likely to be emulated by experimenters who follow. His observations of nuclei made of antimatter that are heavier than hydrogen, specifically anti-helium and anti-hypertriton, provide conclusive evidence for these exotic particles after earlier results from experiments in satellites in orbit. Similarly, the uniquely powerful suggestion from Prof. Mohanty to exploit the very high magnetic fields in high-impact parameter nuclear collisions has undoubtedly paved the way for a new class of experiments. Finally, he has established new techniques in his studies of particle-production mechanisms, and in his contributions to searches for fractionally charged particles and Disoriented Chiral Condensates.

### **Congratulatory message from Jury Chair (66/60 words)**

The Infosys Prize recognizes your novel contributions to knowledge of the nuclear force. Your leadership and intellectual steering of the STAR (BNL) and ALICE (CERN) collaborations led to measurement of the transition temperature from quark-gluon plasma to hadronic matter. You observed the heaviest antimatter nucleus, searched for and observed spin-orbital angular momentum interactions and found re-scattering and collective effects in quark-gluon plasma. Congratulations, Prof. Bedangadas Mohanty.



presents

**INSPIRING  
HEALTHCARE LEADERS  
OF INDIA 2021**



*This is to recognize*

*Dr. C. S. Pramesh*

*As one of The Economic Times Inspiring Healthcare Leaders of India 2021*

*On the occasion of Doctors Day*

*Wednesday, June 30, 2021*





**14<sup>th</sup> ISCR ANNUAL AWARDS 2022**

**Clinical Research 2.0:  
Redefining Patient Centricity Through Innovation, Decentralization And Technology**

Indian Society for Clinical Research confers

**The "LIFETIME ACHIEVEMENT" Award  
(ACADEMIA)**

to

**Dr. C. S. Pramesh**

for

**Exemplary contributions towards building the Clinical Research ecosystem in India  
Awarded on the day of 4th March 2022**

at

**15th Annual Conference of Indian Society for Clinical Research**

**Dr. Sanish Davis**  
President, ISCR

**Dr. Seema Pai**  
Chair, Scientific Committee  
Hon. General Secretary, ISCR



# PEARLINE GLOBAL CANCER RESEARCH HUMANITARIAN AWARD

PRESENTED TO

C. S. PRAMESH

FOR OUTSTANDING CONTRIBUTIONS TO  
GLOBAL CANCER RESEARCH AND CONTROL

MARCH 24, 2022

A handwritten signature in black ink, appearing to read 'Norman E. Sharpless', is centered on the page.

NORMAN E. SHARPLESS, M.D.  
DIRECTOR, NATIONAL CANCER INSTITUTE

# Lifetime Achievement Award for Dr C. S Pramesh

Published on: March 11, 2022



Dr C. S Pramesh received Lifetime Achievement Award at the [Indian Society for Clinical Research \(ISCR\)](#) annual conference in appreciation of his role as a change agent in the field of healthcare, research and patient care.

Dr Pramesh (Director, Tata Memorial Hospital, Mumbai) leads the [National Cancer Grid \(NCG\)](#), a collaborative of 264 cancer centres in India and a few from abroad.

As the NCG Convener, he leads the grid towards providing uniform standards of cancer care across the country, reducing inequities and making cancer treatment accessible to all geographic regions and strata of society. The NCG has a proven record of being a major factor in humanising cancer care in India by creating universally accepted guidelines for treatment, guiding need-based research, and facilitating educational programmes.

The NCG is a network of major cancer centres, research institutes, patient groups and charitable institutions across India with the mandate of establishing uniform standards of patient care for prevention, diagnosis, and treatment of cancer. It promotes uniform evidence based guidelines for management of patients, and collaborative clinical research, which ensures same quality of care to patients in all centres from any part of the country.

Dr Pramesh is also a visiting professor at the Division of Cancer Studies, King's College London and the Institute of Cancer Policy, King's Health Partners, London. He has written more than 200 peer-reviewed journal articles, including topics such as collaborative research and cancer policy. The ISCR is an association of Indian clinical research professionals and provides a forum for exchange of information and learning.

Congratulations, Dr C. S Pramesh!

- [Overview](#)
- [Call for Proposals](#)
- [Pearline Award](#)

# 11th Annual Symposium on Global Cancer Research



## Rachel Pearline Award Nomination Form

The Rachel Pearline Award honors Rachel Pearline, MD, MPH. Dr. Pearline was a revered oncology fellow who received the award named in her memory in 2016 following her death at the age of 38, in November 2015, from gastric cancer. While in medical school, she completed rotations in South Africa, Haiti, Romania, and rural China where she learned to speak Mandarin fluently. For her work, she received a prestigious Fogarty International Clinical Research Fellowship and Tulane University's award for "Outstanding International Relationships." Dr. Pearline was virtuously committed to global cancer control and provided quality care to her patients. She viewed the practice of medicine as a privilege, always striving to serve her patients better.

In honor of Dr. Rachel Pearline, the 11<sup>th</sup> Annual Symposium on Global Cancer Research Steering Committee would like to invite nominations for the 2023 Annual Rachel Pearline Award. As part of the Symposium each year, we recognize one outstanding professional who embodies virtue and eminence in cancer research, practice, and/or training in a low- and middle-income country (LMIC) setting. The theme of the 2023 Symposium is "Closing the Research-to-Implementation Gap" and the Steering Committee invites nominations of individuals, at any stage in their career, who have made major contributions to global cancer research, practice, and training. The nominee should be affiliated with an institution from a LMIC and their work should focus on cancer research, practice, and/or training in an LMIC setting.

The nominee will be recognized at the virtual Annual Symposium on Global Cancer Research on April 6, 2023. The nominee will be expected to take part in the award presentation ceremony as well as to give a keynote address that highlights their contributions to cancer research, practice, and/or training in an LMIC setting, and their future perspectives.

The Steering Committee will review nominations based on the following criteria:

1. Demonstration of commitment to and excellence in cancer research, practice, and/or training
2. Focus on reducing inequities through cancer research, practice, and/or training
3. Affiliation with an institution based in an LMIC
4. Cancer control research, practice, and training activities either entirely or predominantly implemented in LMICs
5. Career stage and potential to contribute to cancer control in LMICs in the future

Additional eligibility criteria:

1. Nominations submitted in previous years are accepted

2. Self-nominations are accepted

3. Nominee must confirm willingness/ability to accept the award and deliver a keynote address, virtually, at the Symposium in advance of nomination submission (confirmation to be stated within the nomination form).

## Timeline

The nomination period is **September 26, 2022 through November 27, 2022**.

The nominee will be selected and notified in **January 2023**.

## Rachel Pearline Award Nomination Form

Click [here](#) to access the Rachel Pearline Award Nomination Form. Submit the form by November 27, 2022. Contact [douglas.puricelliperin@nih.gov](mailto:douglas.puricelliperin@nih.gov) with any questions.

### Previous Rachel Pearline Award Winners:

2022 **C. S. Pramesh, MD**, Director, Tata Memorial Hospital, Professor and Head of Thoracic Surgery, Tata Memorial Centre, Mumbai, India

2021 **Karla Alfaro, MD, MPH**, Medical Director, Basic Health International, San Salvador, El Salvador

2020 **Frederick Chite Asirwa, MD**, Consultant Physician, Medical Oncologist & Hematologist, CEO, International Cancer Institute (ICI), Eldoret, Kenya

2018 **You-lin Qiao, MD, PhD**, professor and Director for Department of Cancer Epidemiology, Cancer Institute, Chinese Academy of Medical Sciences and Peking Union Medical College Beijing, China.

2017 **Carlos Rodriguez-Galindo, MD**, Executive Vice President and Chair of the Department of Global Pediatric Medicine and Director of the International Outreach Program

2016 **Rachel Pearline, MD, MPH**, Diplomate of Medical Oncology

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[U.S. Department of Health and Human Services](#) | [National Institutes of Health](#) | [National Cancer Institute](#)  
| [USA.gov](#)

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## SOCIETY OF NUCLEAR MEDICINE, INDIA

C/O RADIATION MEDICINE CENTRE, TMC ANNEX, TATA MEMORIAL HOSPITAL, PAREL, MUMBAI-400012

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Sl.No.	MemberID	Name	Home Address	Membership Type																					
1	A -48	AJITKUMAR A	A-48 Ananthakrishnan Ajit kumar Nuclear medicine Department INHS Asvini, Colaba , Mumbai-400 005	Life Member																					
2	A-1	Achar V.S. Dr.	A-1 Dr.V.S.Achar	Life Member																					
3	A-10	Agrawal M.S. Dr.	A - 10 Dr. M.S. Agrawal 9/3 Kabir Nagar, Durga Kund, Varanasi - 221 005	Life Member																					
4	A-11	Agrawal S.S. Dr.	A - 11 Dr. S.S. Agrawal Director, Gamma Imaging & RIA Centre Pvt. Ltd., Narayan Singh Road, Trimurti Circle, Jaipur - 302004 (Rajasthan)	Life Member																					
5	A-12	Argrwalla D. Dr.	A - 12 Dr. D. Agrawalla Regional Centre for Cancer, Research & Treatment, Cuttack - 753 007	Life Member																					
6	A-13	Ahmad Shahahla dr	A - 13 Mrs. Shahla Ahmad Dept Of Medical Physics, Kamala Nehru Memorial Hospital, Allahabad - 211 002	Life Member																					
7	A-14	Ahmed Kamaluddin Dr.	A - 14 Dr. Kamaluddin Ahmed Atomic Energy Commission, Head, Inst. Of Nuclear Medicine, P.O. Box 158, Raamna, Dacca - 2, Bangaladesh.	Life Member																					
8	A-15	Ahmed Syed Mushtaq Dr	A - 15 Dr. Sayed Mushtaq Ahmed Mehtan Road, Lalnagar, Srinagar, Kashmir - 190 015	Life Member																					
9	A-16	Ahuja K.K. Dr.	A - 16 Dr. K. K. Ahuja Belle Vue Clinic, Dr. U.N. Brahmachari Street, Kolkatta - 700 017	Life Member																					
10	A-17	Ajay Kumar Dr.	A - 17 Dr. Ajaykumar L/1 Sarita Vihar, New Delhi - 110 044	Life Member																					

			Sion-Trombay Road, Mumbai-400 088	<b>Member</b>
334	G-18	Grover M.S. Dr.	G - 18 Dr. M. S. Grover 25/22, Tilak Nagar, New Delhi-110 018.	<b>Life Member</b>
335	G-19	Gunasekhar S.B. Mr.	G - 19 Mr. Gunasekhar R.T. Department, Jaslok Hospital & Research Centre, 15, Peddar Road, Mumbai-400 026.	<b>Life Member</b>
336	G-2	Gajraj A. Dr.	G - 2 Dr. A. Gajraj Department of Radiology and Imaging Sciences, APOLLO HOSPITAL Greames Lane off Greams Road Chennai 600006	<b>Life Member</b>
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339	G-22	Gupta M.M. Mr.	G - 22 Mr. M. M. Gupta Emeritus Medical Scientist (ICMR), Institute Of Nuclear Medicine & Allied Sciences, Lucknow Road, Delhi-110 054.	<b>Life Member</b>
340	G-23	Gupta N.K. Dr.	G - 23 Dr. N. K. Gupta	<b>Life Member</b>
341	G-24	Gupta P.S. Dr.	G - 24 Dr. P. S. Gupta Prof. & Head, Dept. Medicine, M.A. Medical College & J.P. Hospital, New Delhi-110 002.	<b>Life Member</b>
342	G-25	Gupta R.K. Mr..	G - 25 Mr. R. K. Gupta C/o. Prof. D.K. Hazra, Nuclear Medicine and RIA Unit, S.N. Medical College, Agra-282 003.	<b>Life Member</b>
343	G-26	Gupta S.K. Dr.	G - 26 Dr. S. K. Gupta E-880, Saraswati Vihar, Delhi110 034.	<b>Life Member</b>
344	G-27	Gupta Sunil Dr.	G - 27 Dr. Sunil Gupta 38, Jhotwara Road, Behind Zanna Hospital, Jaipur-302 006.	<b>Life Member</b>
345	G-28	Gurinder M.S. Dr.	G - 28 Dr.M. S. Gurinder General Medical Service, 3/5, West Patel Nagar, New Delhi-110 008.	<b>Life Member</b>
346	G-29	Goyal Vinay Dr.	G - 29 Dr. Vinay Goyal, A-102,Chitrakut Appartment., Opp. AJIT Nagar, Riddhi Vinayak Temple Lane,S.V.Road, Mumbai - 400 064	<b>Life Member</b>
347	G-3	Gambhir Sanjay Dr.	G - 3 Dr. Sanjay Gambhir Prof. & Head, Deptt. of Nuclear Medicine, SGPGIMS, Raebareli Road, Lucknow - 226 014	<b>Life Member</b>
348	G-30	GUPTA DR. RAJEEV	G - 30 Dr. Rajeev Gupta, 16 Hospital Road, Jaipur 302 001	<b>Life Member</b>
349	G-31	GILL DR. BALRAJ SINGH	G - 31 Dr. Balraj Singh Gill, Department of Nuclear Medicine, INHS ASVINI, RC Church, Colaba, Mumbai-400005	<b>Life Member</b>
350	G-32	GHORPADE MRS. MANGALA	G - 32 Mrs. Mangala Ghorpade, F - 3/1, Sector 7, Vashi, Navi Mumbai - 400 703	<b>Life Member</b>
351	G-33	GUPTA DR. ABHISHEK	G 33 Dr. Abhishek Gupta B-18 first floor kailash colony New Delhi-110 048	<b>Life Member</b>
352	G-34	GAURAV MALHOTRA DR	G34 DR GAURAV MALHOTRA RADIATION MEDICINE CENTRE TMC ANNEXE, Jebai Wadia Road PAREL,MUMBAI,400012	<b>Life Member</b>
353	G-35	GIRIDHARAN IYER	G35 GIRIDHARAN IYER Kirloskar Theratronics Pvt. Ltd., 305, GOKUL ARCADE `B' BUILDING, SUBHASH ROAD, VILE PARLE (EAST), MUMBAI-400057	<b>Life Member</b>
354	G-36	GULJHARI LAL MEENA DR	G36 DR GULJHARI LAL MEENA III/3; SP MEDICAL COLLEGE CAMPUS, BIKANER, RAJASTHAN	<b>Life Member</b>
355	G-37	GUPTA.L.C. DR	G-37 DR L C GUPTA, B-18, 1ST FLOOR, KAILASH COLONY,	<b>Life Member</b>

Vividhlaxi Audyogik Samshodhan Vikas Kendra



## MATERIAL AND METALLURGICAL SCIENCE & TECHNOLOGY 2020

The VASVIK award for the year 2020 in the field of  
Material & Metallurgical Science & Technology is given to:

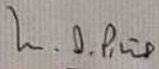
***Dr. Kinshuk Dasgupta***

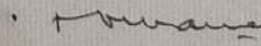
**Head, G & AMD, Materials Group, Bhabha Atomic Research Centre, Mumbai**

Dr. Kinshuk Dasgupta has developed the lightest and the most economical AK-47-HSC (hard steel core) bullet resistant level III + bullet proof jacket – Bhabha Kavach, using in house developed Carbon nanotubes and boron carbide composites. This indigenously developed jacket is an import substitute and has been inducted in Central Armed Police Forces at a one-third of the import cost, resulting in saving of precious foreign exchange. Dr. Dasgupta has made significant contribution towards large-scale synthesis of Carbon Nanotubes (CNTs). The single walled CNT, Multi walled CNT and CNT Aerogels have been successfully deployed in various strategic and societal applications.



Mumbai - 400 063  
21st May 2022

  
**Dr. M T Patel**  
Chairman  
Board of Directors

  
**Prof. M M Sharma**  
Chairman  
Board of Advisors





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**FELLOWSHIP**

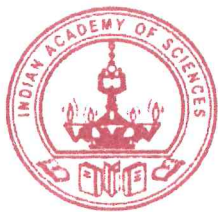
This is to certify that

*Meena B Mahajan*

was elected to the Fellowship  
of the Indian Academy of Sciences  
in the year 2022 in recognition of  
outstanding contributions to science.

*V. Umesh Anand*  
Secretaries

*S. H. Chakravarty*  
President



# भारतीय विज्ञान अकादमी

(विज्ञान एवं प्रौद्योगिकी विभाग भारत सरकार के तत्वावधान में एक वृत्तिक के निकाय)

डाक पेटी सं. 8005, सी.वी. रामन अवेन्यू, बेंगलुरु – 560 080, भारत

## INDIAN ACADEMY OF SCIENCES

(A Professional body under the aegis of Dept. of Science & Technology, Govt. of India)

P.B No. 8005, CV. Raman Avenue, Bengaluru – 560 080, INDIA

**Professor Partha P. Majumder**

**President**

5 January 2022

**Professor Meena B Mahajan**

**The Institute of Mathematical Sciences**

CIT Campus

Taramani

Chennai 600 113

Dear Professor Mahajan,

The Council of the Indian Academy of Sciences in its meeting held in December 2021 has recommended your election to the Fellowship of the Academy. Please accept my warmest congratulations!

Since its inception in 1934, nearly 2000 of the leading scientists of India (as well as some from outside India) have been elected Fellows of the Indian Academy of Sciences. Through its various activities, our Academy plays a major role in furthering the cause of science in the country, and Fellows of the Academy not only act as spokespersons for their disciplines, but also for the science at the national level.

The activities of the Academy come under three major categories: scholarly publication, science education, and science dissemination. The Academy publishes 13 scientific journals on different subjects, including Current Science (in association with Current Science Association) and organizes several discussion meetings on important topics of scientific interest. In addition, we have a vibrant visitors' programme whereby distinguished colleagues from across the world can be invited to occupy the Raman, Janaki Ammal, Jubilee and Academy-Springer Nature Chair Professorships. Detailed information on these activities is available on our website ([www.ias.ac.in](http://www.ias.ac.in)).

The Academy has an extensive and active science education programme in which the Fellowship and the scientific community of the country play an important role. There are refresher courses of up to three weeks, summer research mentorship as well as short discussion meetings that are held all across the country. The Academy also selects a few outstanding younger scientists as Associates each year. Both these programmes have been undergoing considerable restructuring in order to help us achieve our objectives in a more equitable manner. A matter that has received particular attention over the past year has been summarised in the document "Scientific Values: Ethics Guidelines and Procedures", the revised guidelines for ethical conduct that we expect all Fellows to uphold.

The Academy meets twice a year, the mid-year meeting being in late June/early July, and an annual meeting held in the first week of November. I hope that it will be possible for you to attend one of the meetings of the Academy during this year, and also regularly in subsequent years. Your participation in the activities of the Academy and your help in promoting its programmes will be crucial.

I look forward to your active involvement and will be happy to hear from you as to how we can strengthen these activities. With best wishes for a very happy New Year 2022, and with my personal regards,

Sincerely,

Partha P. Majumder



(080) 2266 1200



(080) 2361 6094



[www.ias.ac.in](http://www.ias.ac.in)



[office@ias.ac.in](mailto:office@ias.ac.in)



# INDIAN CHEMICAL SOCIETY, KOLKATA, INDIA

58<sup>th</sup> Annual Convention of Chemists

&

International Conference on  
Recent Trends in Chemical Sciences  
(ACC-RTCS - 2021)

Date : 21<sup>st</sup> - 24<sup>th</sup> December, 2021



**Professor J N Mukherjee Memorial Award, 2020**

This to certify that **Dr. P A Hassan, Bhabha Atomic Research Centre, Mumbai** is the recipient of **Professor J N Mukherjee Memorial Award 2020** of the Indian Chemical Society, Kolkata in the 58<sup>th</sup> Annual Convention of Chemists, 2021 & International Conference on “Recent Trends in Chemical Sciences (RTCS-2021)” organized by the Indian Chemical Society, Kolkata during December 21 – 24, 2021.

*Chittaranjan Sinha*

Professor Chittaranjan Sinha  
Honorary Secretary  
Indian Chemical Society

*G D Yadav*

Professor G D Yadav  
President  
Indian Chemical Society



प्रोफेसर चंद्रिमा शाहा  
अध्यक्ष  
Prof. Chandrima Shaha  
President

भारतीय राष्ट्रीय विज्ञान अकादमी  
बहादुर शाह ज़फ़र मार्ग, नई दिल्ली-110002  
**INDIAN NATIONAL SCIENCE ACADEMY**  
Bahadur Shah Zafar Marg, New Delhi-110002

No. CC/  
5<sup>th</sup> October, 2021

**Election as Fellow**

Dear Professor Mukherjee,

I am delighted to inform that you have been elected as a Fellow of the Indian National Science Academy at the Annual General Meeting on October 5, 2021. My hearty congratulations to you for this recognition. The Fellowship will become effective from January 1, 2022.

The Academy derives its strength in meeting its objectives from its Fellowship. I sincerely hope that you will take active interest in the programmes and activities of the Academy.

I shall appreciate if you can acknowledge receipt of this communication and confirm your acceptance of the Fellowship.

With warmest regards,

Yours sincerely,

*Chandrima Shaha*

(Chandrima Shaha)

**Professor PK Mukherjee**

Scientific Officer H, Professor and  
Head, Environmental Biotechnology Section  
Nuclear Agriculture and Biotechnology Division  
Bhabha Atomic Research Centre, Trombay  
Mumbai-400085



# **IOP** Institute of Physics

*This is to certify that  
in October 2021, Council approved*

***Sandip Dhara***

*to be elected as a Fellow of  
The Institute of Physics*

President

Vice-President, Membership



## भारतीय विज्ञान अकादमी

(विज्ञान एवं प्रौद्योगिकी विभाग भारत सरकार के तत्वावधान में एक वृत्तिक के निकाय)

डाक पेटी सं. 8005, सी.वी. रामन अवेन्यू, बेंगलुरु - 560 080, भारत

### INDIAN ACADEMY OF SCIENCES

(A Professional body under the aegis of Dept. of Science & Technology, Govt. of India)  
P.B No. 8005, CV. Raman Avenue, Bengaluru - 560 080, INDIA

**Professor Partha P. Majumder**  
**President**

5 January 2022

Professor Satyaki Bhattacharya  
Saha Institute of Nuclear Physics  
1/AF, Bidhan Nagar  
Kolkata 700 064

Dear Professor Bhattacharya,

The Council of the Indian Academy of Sciences in its meeting held in December 2021 has recommended your election to the Fellowship of the Academy. Please accept my warmest congratulations!

Since its inception in 1934, nearly 2000 of the leading scientists of India (as well as some from outside India) have been elected Fellows of the Indian Academy of Sciences. Through its various activities, our Academy plays a major role in furthering the cause of science in the country, and Fellows of the Academy not only act as spokespersons for their disciplines, but also for the science at the national level.

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I look forward to your active involvement and will be happy to hear from you as to how we can strengthen these activities. With best wishes for a very happy New Year 2022, and with my personal regards,

Sincerely,

Partha P. Majumder



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[www.ias.ac.in](http://www.ias.ac.in)



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# AMERICAN SURGICAL ASSOCIATION

2020 - 2021

June 5, 2020

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[shailesh.shrikhande@pancreaticcancerindia.org](mailto:shailesh.shrikhande@pancreaticcancerindia.org)

Dear Professor Shrikhande:

It gives me great pleasure to inform you that the Council of the American Surgical Association has unanimously voted to elect you to Honorary Fellowship. This is the highest recognition that the American Surgical Association can bestow upon a surgical colleague from a foreign country. At present, there are ninety-nine (99) Honorary Fellows from throughout the world. Dr. Robin S. McLeod joins me and the membership in sending you our congratulations. I have attached a [brief history](#) of the American Surgical Association for your information.

I hope you will be able to attend the upcoming 141st Annual Meeting of the American Surgical Association at the Hyatt Regency Seattle in Seattle, Washington from April 15-17, 2021. For the first Annual Meeting that you attend, the Association will provide hotel accommodations for three nights as well as complimentary registration for you and your spouse, which includes tickets for the Annual Banquet on Friday. Please note that the Association is not able to underwrite your travel; furthermore, for any subsequent Annual Meetings that you attend, the ASA provides only complimentary registration for you. We request that you let us know by return email ([lkcoughlin@prri.com](mailto:lkcoughlin@prri.com)) by June 15th whether you are able to attend the Annual Meeting. We will make your hotel reservation for you and will be in touch with you again once housing opens. Also, whether or not you are attending, please provide a photo and an abbreviated CV or biosketch.

Please note that your election to Honorary Fellowship will only be activated upon attendance at an Annual Meeting. We hope you will be able to attend in Seattle, WA, so that President McLeod may welcome you as an Honorary Fellow and introduce you to the membership at the Opening Session of the Annual Meeting at 8:15 AM on Thursday morning, April 15, 2021, at which time she will ask you to present very brief remarks to the membership. Then, that Thursday afternoon, your presence is requested at a luncheon for Honorary Fellows hosted by Dr. McLeod.

Please complete the attached Honorary Fellowship Record Verification Form to ensure the information we have on file is accurate, and return by email to [lkcoughlin@prri.com](mailto:lkcoughlin@prri.com).

Once again, our sincere congratulations; if I can be of assistance to you in any way, please do not hesitate to contact me. We look forward to welcoming you to the American Surgical Association and to seeing you in Seattle, WA, next April.

Yours truly,

Mary T. Hawn, M.D., Secretary

Nos Praeses et Secretarius

**Societatis Chirurgicae Americanae**

Omnibus ad quos hae Literae pervenerint

**SALUTEM.**

Testamur **Shailesh V. Shrikhande, M.D.** Virum doctum  
peritumque Chirurgiae Socium Majorem nostrae Societatis  
adscriptum et omnes Honores Privilegiaque ad eandem pertinentia consecutum esse.  
In Cujus Rei fidem Literis hisce Societatis Sigillo munitis Nomina nostra subjecimus.  
Decimo Quinto Aprilis Anno Domini M.MXXI



R. M. Chesel Praeses.

May 2<sup>nd</sup> 1921 M.D. Secretarius.





# INDIAN CHEMICAL SOCIETY, KOLKATA, INDIA

## 58<sup>th</sup> Annual Convention of Chemists & International Conference on Recent Trends in Chemical Sciences (ACC-RTCS - 2021)

Date : 21<sup>st</sup> - 24<sup>th</sup> December, 2021



This to certify that **Professor Sharmila Banerjee**, Nuclear Medicine & Project-In-Charge, Radiological Research Unit, ACTREC, Tata Memorial Centre, Kharghar, Navi Mumbai is the recipient of **Marie Curie Memorial Award** of the 58<sup>th</sup> Annual Convention of Chemists, 2021 & International Conference on “Recent Trends in Chemical Sciences (RTCS-2021)” organized by the Indian Chemical Society, Kolkata during December 21 – 24, 2021.

*Chittaranjan Sinha*

Professor Chittaranjan Sinha  
Honorary Secretary  
Indian Chemical Society

*G D Yadav*

Professor G D Yadav  
President  
Indian Chemical Society



*Issue No. 07 | June 2022*

# अणुविद्या

**HBNI NEWSLETTER**

होमी भाभा राष्ट्रीय संस्थान

**Homi Bhabha National Institute**

( परमाणु ऊर्जा विभाग की सहायता प्राप्त संस्था और यूजीसी अधिनियम 1956 की धारा 3 के तहत विश्वविद्यालय माना जाता है )

( An Aided Institution of the Department of Atomic Energy and a Deemed-to-be University Under Section 3 of the UGC Act. 1956 )

# Awards and Honours received by HBNI Faculty and Students

1. Prof. Shailesh V. Shrikhande. Has been awarded the Honorary Fellowship of the American Surgical Association (ASA) in 2021. He is the First Indian Cancer Surgeon and the only second Indian ever to be awarded the Honorary Fellowship of the American Surgical Association (ASA) in its 141-year-old history
2. Dr. Subhankar Mishra, NISER has been awarded Fulbright-Nehru Academic & Professional Excellence Award by United States- India Educational Foundation.
3. Dr. M. Vasudevan, IGCAR has been elected as a Fellow of Indian Institute of Metals in 2021.
4. Dr. Oishee Chakrabarti, SINP has been elected as a Fellow of the National Academy of Sciences.
5. Prof. Sanoli Gun, IMSc, has been elected a member of the Asia-Pacific association for Women in Mathematics.
6. Prof. Meena Mahajan, IMSc, has been elected as a Fellow of Indian Academy of Sciences.
7. Dr. C. Murali Krishna, TMC has been elected as a Fellow of Royal Society of Chemistry (FRSC) in 2021.
8. Prof. Aditi Sen De, HRI has been elected a Fellow of the Indian Academy of Sciences. She has been also awarded Rupa Chakravarty Memorial Silver Medal as a distinguished ex-Bethunite from Bethune College for the year 2021.
9. Dr. Vinita Gupta, BARC has been elected as a Fellow of Maharashtra Academy of Sciences.
10. Dr. Santosh Gupta, BARC has been elected as a Young Associate of Maharashtra Academy of Sciences.
11. Dr. Brindaban Modak, BARC has been elected as a Young Associate of Maharashtra Academy of Sciences.
12. Dr. A. Guleria, BARC has been elected as a Young Associate of Maharashtra Academy of Sciences.
13. Dr. Sunita Sonavane, RMC-BARC has been awarded European Fellowship in Nuclear Medicine in the year 2021.
14. Prof. A. K. Tyagi, BARC has been selected for the prestigious A V Rama Rao Foundation Lecture Award in Chemistry for the year 2022 by Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bengaluru. He has also received N R Dhar Memorial Award from National Academy of Sciences in 2021.
15. Prof. P. A. Hassan, BARC has received Prof. J. N. Mukherjee Memorial Award from Indian Chemical Society.
16. Dr. S. N. Achary, Dr. R. Tripathi, and Dr. Deb Mukhopadhyay, BARC, all faculty of HBNI have received the prestigious Homi Bhabha Science & Technology Award for the year 2020.

17. Dr. Manimala Mitra, IoP has been awarded Institute for Particle Physics Phenomenology (IPPP) DIVA Award 2022-2023.
18. Prof. Vijay Kodiyalam, IMSc has received V. Ramaswamy Aiyer Memorial Award Lecture by the Indian Mathematical Society.
19. Prof. Sitabhra Sinha, IMSc, has been awarded P. C. Mahalanobis National Award for the year 2021, by the Government of India's Ministry of Statistics Programme Implementation.
20. Prof. Amritanshu Prasad, IMSc. was recognized in the Book "75 under 50: Scientists Shaping Today's India" published by VigyanPrasar, Department of Science and Technology, Government of India
21. Dr. Shantanu Kumar Karkari, IPR has been awarded JaiduttSaraswatiSodha PSSI Plasma Award 2021 by Plasma Society of India for "Laboratory Experiments and Modelling of Low Temperature Magnetized Plasmas."
22. Dr. Mainak Bandopadhyay and Dr. Sarveshwar Sharma, IPR have received IOP Outstanding Reviewer Award.
23. Prof. C. S. Pramesh, TMC has been elected the Board of Directors, Union for International Cancer Control (UICC). He has also received Lifetime Achievement award for clinical research by Indian Society of Clinical Research, Inspiring Healthcare Leaders of India award and Rachel Pearline Global Cancer Research Humanitarian award by National Cancer Institute, USA
24. Prof. Shripad D. Banavali, TMC has received "Dr. GS Bhattacharyya Memorial Oration" from Carcinogenesis Foundation, India. He has also been elected as President of Indian Society of Pediatric Hematology-Oncology.
25. Dr. Rohan Jayant Khadilkar, TMC has received Har Gobind Khorana-Innovative Young Biotechnologist Award for 2021. He has also been awarded prestigious Ramalingaswami Re-entry Fellowship by the Department of Biotechnology, Government of India
26. Prof. Sharmila Banerjee, TMC has received Marie Curie Memorial Award by The Indian Chemical Society in 2021.
27. Dr. Vibhuti Bhushan Tiwari, Dr Alok Dube, Dr. P. K. Mukhopadhyay, Prof. K. S. Bindra, Prof. S. R. Mishra and Prof. J. A. Chakera, RRCAT were awarded Best Poster Awards in the National Laser Symposium held at RRCAT in January 2022.
28. Mr. Vivek Singh, PhD (Engg. Sci.), RRCAT has been awarded Best Poster Award in the National Laser Symposium held at RRCAT in January 2022.
29. Dr. Abhishek Chaterjee, PhD (Engg. Sci.), RRCAT has been awarded Best Thesis Award by Indian Laser Association during the National Laser Symposium held at RRCAT in January 2022.
30. Dr. A. N. Jinoop, PhD (Engg. Sci.), RRCAT has been awarded Best Thesis Award by Indian Laser Association during the National Laser Symposium held at RRCAT in January 2022.
31. Ms. Samruddhi Deolekar, HBNI Student from TMC, Mumbai has won the overall Gold Medal (435 kg) along with Gold Medal in squat (180 kg), Silver Medal in bench press (90 kg) and Gold Medal in deadlift (165 kg) in the Junior National Powerlifting Championship held at Udaipur, Rajasthan during January 2 to January 6, 2022.

# Theme: Sustainable Development Goals (SDGs)-2: End Hunger, Achieve Food Security and Improved Nutrition and Promote Sustainable Agriculture

Posted On: 29 JUN 2021 3:11PM by PIB Delhi

Recognizing the importance of Statistics in day-to-day life and to popularize its use, the Government of India has been celebrating birth Anniversary of the legendary Statistician, late Prof. P. C. Mahalanobis, on 29<sup>th</sup> June, as “Statistics Day”.

Due to the prevailing Covid-19 pandemic, the Ministry of Statistics and Programme Implementation (MoSPI) celebrated Statistics Day, 2021 in virtual mode, through video conferencing. The event was also live streamed through various social media platforms of the Ministry. The theme selected for the “Statistics Day” 2021 was Sustainable Development Goal (SDG) - 2 (End Hunger, Achieve Food Security and Improved Nutrition and Promote Sustainable Agriculture).

Minister of State (Independent Charge), Ministry of Statistics and Programme Implementation (MoSPI) and Ministry of Planning, Rao Inderjit Singh graced the occasion as Chief Guest of the event and addressed the participants through virtual mode. Prof. Bimal Kumar Roy, Chairman, National Statistical Commission (NSC), Dr. G. P. Samanta, Chief Statistician of India & Secretary, MoSPI, Prof. Sanghamitra Bandyopadhyay, Director, Indian Statistical Institute also addressed the audience. The representatives of international agencies namely, Mr. Pietro Gennari, Chief Statistician, Food and Agriculture Organization (FAO) of the United Nations; Ms. Renata Lok-Dessallien, UN Resident Coordinator, conveyed their message on the occasion. Senior officers of Central/ State/UT Governments, representatives of various National and International agencies etc., also joined the event.

During the event, the winners of the National awards instituted by the Ministry were announced and they were felicitated virtually. Prof. P. C. Mahalanobis National Award in Official Statistics-2021 for the lifetime achievements was conferred upon Dr. R. B. Barman, Former Chairman, National Statistical Commission. Prof. P. C. Mahalanobis National Award in Official Statistics-2021 in the category of in-service Official Statistician above 45 years of age, was conferred upon Dr. Sitabhra Sinha, Professor, Institute of Mathematical Sciences, Chennai. Prof. C.R. Rao National Award in Statistics for Young Statisticians-2021 was given to Dr. Kiranmoy Das, Associate Professor, Indian Statistical Institute, Kolkata. The winners of these National Awards also expressed their views during the occasion. The winners of ‘On the Spot Essay Writing Competition’ for Post-Graduate Students on the subject relevant to Statistics as organized by the Ministry at All India level were also felicitated during the event virtually.

A brief presentation was also made by the Ministry on the theme of the Statistics Day. Further, as a part of celebrations of Azadi ka Amrit Mahotsav, an initiative of the Government, Ministry also released Sustainable Development Goals (SDGs) - National Indicator Framework (NIF)-Version 3.1, NIF Progress Report 2021, and Data Snapshot on SDGs’ NIF Progress Report 2021 (Version 3.1).

\*\*\*\*\*

(Release ID: 1731128)



October 18, 2021

Dr. Subhankar Mishra

Reader-F

School of Computer Sciences

National Institute of Science Education and Research (NISER)

Bhubaneswar, Odisha

Mobile: 78947 31144

E-mail: [smishra@niser.ac.in](mailto:smishra@niser.ac.in)

Dear Dr. Mishra,

Congratulations on your selection for 2021-2022 Fulbright-Nehru Academic and Professional Excellence Fellowship for a period of seven months on a research and teaching category on a project titled: "Secure, Private and Fair Machine Learning for Insider Threat Detection," at the University of Florida, Gainesville, FL beginning January 1, 2022. Dr. My T. Thai, UF Research Foundation Professor, Department of Computer and Information Science and Engineering, University of Florida, Gainesville will be your faculty host.

It gives us immense pleasure to send you the Fulbright-Nehru grant document (**Award No. 2701/F-N APE/2021**). If you accept the award, please sign, scan, and return an electronic copy to USIEF.

As part of your Fulbright grant benefits, you will receive roundtrip transportation via economy class from your place of residence in Bhubaneswar, Odisha to the University of Florida, Gainesville, FL and back in accordance with Fulbright guidelines. You will receive a monthly maintenance allowance (MMR) of \$2,850 per month for a period not exceeding seven months beginning January 1, 2022; one-time payment of \$500 as settling-in allowance; \$1,000 professional allowance; \$100 transit allowance and \$500 baggage allowance. You will also receive an accident and sickness coverage for the grant period (Please see ASPE guide for details regarding coverage). If required, USIEF will provide supplemental university health insurance.

**Visa Instructions:** You must appear personally before the Visa Consular Officer in Hyderabad to obtain your visa. You will be required to produce the following documents at that time:

1. Original USIEF grant document
2. Passport (s) valid for six months beyond your grant end date and old passports
3. The Certificate of Eligibility for Exchange of Visitor Status (DS-2019)
4. Photograph (2 inches X 2 inches)
5. Confirmation Page of your DS 160 (visa application form)
6. A letter from the appropriate authority sanctioning your leave of absence, if employed

Your DS-2019 will be couriered to you directly. USIEF-Hyderabad office will facilitate your visa. **Ms. Monika Setia, Regional Officer** will contact you with regard to your visa formalities. She can be reached through email [smonika@usief.org.in](mailto:smonika@usief.org.in) and telephone (040) 4033 8300.

**United States-India Educational Foundation**

**United States-India Educational Foundation is a binational organization established by treaty in 1950**

12 Hailey Road, New Delhi 110 001 Tel.: +91-11-4209 0909, 2332 8944 E-mail: [info@usief.org.in](mailto:info@usief.org.in)

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To,  
Prof Vijay Kodiyalam,  
I. M. Sc., Chennai

Dear Prof. Vijay Kodiyalam,  
Greetings from Indian Mathematical Society,

We are happy to inform you that the 87th Annual Conference of the Indian Mathematical Society (IMS) - an International Meet will be held under the auspices of the Mahatma Gandhi Mission (MGM) University, Aurangabad, Maharashtra (India), during December 4 - 7, 2021.

In this connection, the Academic Planning Committee of the IMS has empowered us to request you to deliver the 32nd V. Ramaswamy Aiyer Memorial Award Lecture (of one hour duration) during the Conference. We do hope that you will kindly accept this invitation.

In view of the pandemic COVID-19 situation prevailing in the country, the option of organizing the Conference in offline (Physical) mode is kept open and a decision will be taken as and when the situation improves.

We look forward to your positive response at the earliest, preferably by June 7, 2021.

With best regards,

Peeyush Chandra.

Satya Deo.

Academic Secretary, IMS.

General Secretary, IMS

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