Extension Activities

Department of Genetics

Mentorship of the Indian Olympiad team (Biology), Tehran – July 2018

• The team won 4 silver medals



CERTIFICATE of participation



International Biology Olympiad

This is to certify that

Pradeep Kumar Burma

from **India**

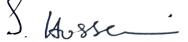
has participated as a

Jury

at the 29th International Biology Olympiad, Shahid Beheshti University, Tehran, Iran, July 15-22, 2018

Prof. Saman Hosseinkhani

Chairman of IBO Organization



Dr. Fatemeh Mohajerani

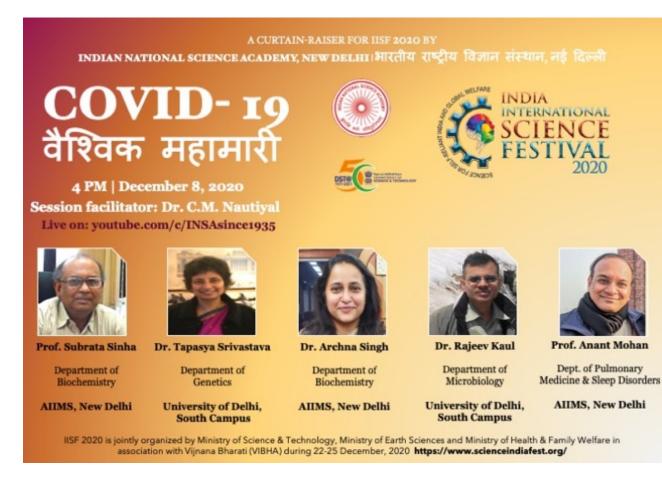
Vice Minister of Education

Prof. Hassan Sadough

Chancellor of Shahid Beheshti University



Curtain Raiser event organized in an online mode by INSA for the India International Science Festival 2020 on COVID-19 - वैश्विक महामारी



YouTube link: https://youtu.be/4B79qB21nDc

Session

- 1. Prof Subrata Sinha (30 minutes) मानवजाति और महामारी
- 2. Dr Tapasya Srivastava (20 minutes) कोरोना वायरस - संक्रमण और रोकथाम
- 3. Dr Archna Singh (20 minutes) COVID19 संक्रमण में मास्क की भूमिका
- 4. Dr Rajeev Kaul (20 minutes) कोविड19 वैश्विक महामारी –पहचान, रोकथाम और वैक्सीन
- 5. Prof Anant Mohan (30 minutes) कोविड19 -लक्षण और उपचार (आक्सीजन थेरेपी और वेंटिलेटर)

Faculty - Prof Tapasya Srivastava (Session Speaker and Co-Convener)

Visited Al Ain University, UAE to mentor and interact with the Academic Team hosting the International Junior Science Olympiad at Dubai in December 2021.



UNITED ARAB EMIRATES MINISTRY OF EDUCATION



اولمبياد العلوم الدولي للناشئين الثام*ن عشر* 18th International Junior Science Olympiad ددي. الإمارك العربية المنحد 8 Oubal UAE

Certificate Of Appreciation

Presented To

Prof. Pradeep Burma

(Academic Committee Member)

in recognition of successful participation

Ву

in the 18th edition of the International Junior Science Olympiad (Hybrid) held from 12th to 21st December 2021 in Dubai UAE The Ministry of Education



(H.E) Dr. Amna Al Dahak Al Shamsi Assistant Undersecretary for Care and Capacities Building, MoE, UAE

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Dr. Paresh Joshi President, IJSO

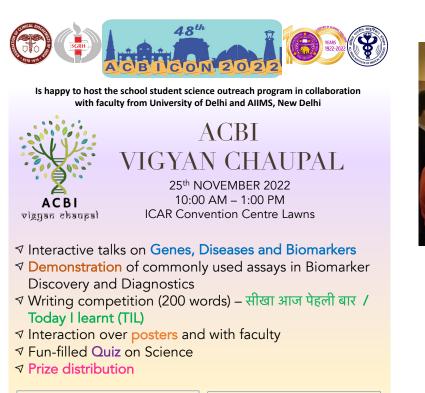
Gargi college workshop at UDSC; 14th October 2022



25 students Lectures Demonstration and hand-on

Faculty: Prof Tapasya Srivastava

VIGYAN CHAUPAL FOR GOVT. & PVT SCHOOL STUDENTS (WITH ACBI & AIIMS) – 25th November 2022



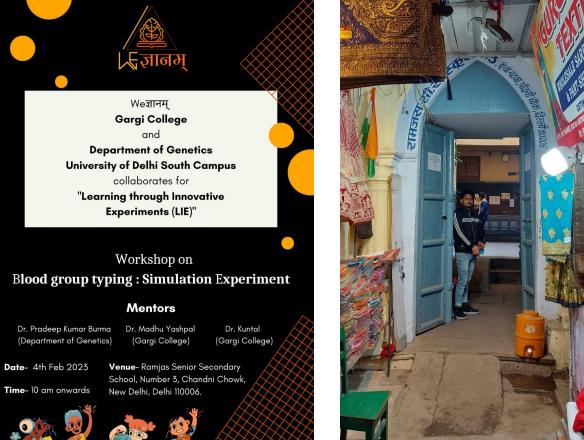
Conveners: Prof Tapasya Srivastava Department of Genetics, University of Delhi Prof Kunzang Chosdol Department of Biochemistry, AIIMS New Delhi Participating scientists: from UDSC-Dr. Jonita Chongtham, Sanchit Gandhi, Shruti Khanna, Shikha Kaushik, Pooja Ghorawat, Deepali Chaudhry; from AIIMS -Sanjeev Goswami, Manvi Arora





Faculty: Prof Tapasya Srivastava

Ramjas School workshop– Learning through innovative experiments (LIE) – 4th Feb 2023





Faculty: Prof Pradeep K Burma

Hosting FIASConversations



Academic Team of Organizers at the International Biology Olympiad at UAE University & Ministry of Education, UAE.



وزارة التـربيـة والتعليـم MINISTRY OF EDUCATION



جامعة الإمارات العربية المتحدة United Arab Emirates University

*** Certificate ***

of participation

Presented to

Pradeep Burma

For successful contribution as a

Member, Scientific Committee

34th International Biology Olympiad Al Ain, United Arab Emirates 2nd to 11th July, 2023

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H.E. Dr. Amna Al Dahak Al Shamsi Chairperson, 34th IBO & Assistant Undersecretary for Care and Capacity Building Sector, Ministry of Education, UAE Lenha Libu

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RNDr. Lenka Libusová, PhD. Chairperson, International Biology Oympiad e.V.









Dear Prof. Pradeep Kumar Burma,

We extend our sincere gratitude on behalf of the Ministry of Education, UAE, for your invaluable mentorship in the Masterminds program. Your guidance on molecular biology and genetics have significantly enriched our high school students' learning experiences, preparing them for their future pursuits.

Your dedication and commitment to guiding our students in the fields of **molecular biology** and **genetics** have not gone unnoticed. Your 20 hours of interaction, during which you shared your profound knowledge and expertise, have left a lasting impact on our young minds. Your insights into these complex subjects have not only broadened their horizons but have also inspired them to pursue their interests in these areas further.

We eagerly anticipate the possibility of future interactions to continue fostering their growth and knowledge.

Thank you for your dedication.

Sincerely

Abdallah El Marhoune Skills Development Specialist Entrepreneurship and Innovation Department Ministry of Education, UAE

- Prof Pradeep Burma was a mentor on the India team (Biology)
 - India International Biology Olympiad
 - 16.07.2018
 - Students from 70 countries participated in the event. Overall the involvement was in preparing the team for the rigorous evaluation. Mentoring them to think, analyze and display exemplary knowledge and application of concepts of biology and scientific method. Prof Burma has been a major contributor to many Olympiad events as part of Team India.
- Dr Surajit Sarkar was a participant in a Rajya Sabha TV program for his research accomplishment
 - Rajya Sabha TV (Govt run)
 - 18.08.2018
 - In this Publicly broadcast event, Dr Sarkar spoke about his work on Drosophila and drug discovery. His work on drug repurposing was highly acclaimed across various newspapers.

- Dr Tapasya Srivastava appeared on a TV panel discussion on Nobel prize winners
 - Vigyan Prasar (Govt run)
 - 30.12.2018
 - In this public broadcast event, Dr Srivastava and colleagues, as experts in the related field, shared the nitty gritties on the work done on Hypoxia by the Nobel Prize winners of Physiology and Medicine of the year 2018

- Prof Tapasya Srivastava co-organized a curtain raiser for India International Science Festival 2020 with INSA -Session in Hindi on Covid19 pandemic
 - Indian National Science Academy (Govt run)
 - 8.12.2020
 - Prof Srivastava spoke on and co-organized a curtain raiser event with Indian National Science Academy where experts in their relative field explained various aspects of the COVID-19 pandemic in Hindi.
- Prof Tapasya Srivastava Spoke on COVID related precautions in Hindi on AIR World YouTube channel
 - In this public broadcast, in the early days of the pandemic, Prof Srivastava gave pointers on the use of masks and other precautions on Air World
 - (https://youtu.be/JDBc_xLlgcl) public broadcast

- Prof Pradeep K Burma visited Al Ain University, UAE to mentor and interact with the Academic Team hosting the International Junior Science Olympiad at Dubai
 - Ministry of Education UAE
 - 12/ 2021
 - Prof Pradeep Burma was a part of the academic mentors to help UAE team conduct the Olympiad for the year. Highly regarded in Olympiads and having represented India as an academic mentor many times, Prof Burma was invited as an expert along with few other Academic mentors

• Vigyan Chaupal at ACBI on 25.11.2022

- Prof Tapasya Srivastava and her lab members organized an exciting Vigyan Chaupal for school students at the Annual meeting of the Association of Clinical Biochemists of India – the first such outreach event having been conducted in this prestigious meeting Association of clinical biochemists of india
- 70 students from 4 private and govt schools attended the meeting
- Workshop for Gargi college students on recombinant DNA technology, basic molecular biology techniques, computational biology, molecular docking, and Drug designing basics was organized by Prof Tapasya Srivastava & her labat University of Delhi South Campus on 15.10.2022
 - 25 students attended the workshop

 Prof Tapasya Srivastava has conducted the FIAS Conversation seminar series wherein every department of the FIAS has suggested speakers once a month – this has led to dissemination of interdisciplinary work and given the opportunity to students and faculty to listen to different type of work. This activity was conducted for almost two years.

- **Prof Pradeep Burma organized workshop on-site at Ramjas School** Learning through Innovative Experiments in collaboration with Gargi college, University of Delhi on 4.02.2023
 - 50 students participated in this workshop