



The National Academy of Sciences, India (NASI)

5, Lajpatrai Road, Prayagraj-211002, India

Monthly Summary for the month of August 2021

- Hon'ble Prime Minister of India announced/started the celebration of '*Azadi ka Amrut Mahotsav*'; following that, the DST, GoI sent circulars to its AIs. Accordingly, more than two dozen webinars have been organised on different aspects of the advancements in Science & Technology by the NASI & its Chapters till date. Recently, two webinars were organised by NASI – i) on "**Current and Next Generation DNA Fingerprinting**" on 5th August 2021 at 10.30 AM, under the auspices of the NASI Kerala Chapter. **Dr. E. V. Soniya**, Scientist G, Rajiv Gandhi Centre for Biotechnology, Thiruvananthapuram delivered this highly informative talk (**Annex. 1**). While ii) webinar on August 26, 2021 was organised on **COVID Awareness** by the CSIR-NML & NASI-Jharkhand Chapter (the details/brochure is enclosed herewith – **Annex. 2**).
- The Department of Microbiology, S. S. Jain Subodh P.G. College, Jaipur, under the auspices of The National Academy of Sciences, India (NASI) (Rajasthan Chapter) & Indian Society for the Study of Reproduction and Fertility (ISSRF), organized an E-Conference on "**Echoes of Covid-19 on Human Health: Present and Future Therapeutic Landscape**" during August 11-12, 2021.
- 1st lecture (on **The Many Dimensions of Nuclear Energy**) of the '**Professor MGK Menon Lecture Series**' was delivered by Padma Vibhushan **Prof. R Chidambaram**, Former Chairman, AEC, Govt. of India & DAE Homi Bhabha Chair Professor, BARC, on Aug. 28, 2021. The details of the speaker and abstract of his lecture are given in the enclosed brochure (**Annex. 3**).
- A Popular Lecture Series was started by the Bhopal Chapter of NASI on Biotechnology on 8th July, which is going on; another lecture series is also on the card.

Also, a wide publicity to the 'Free Vaccination' was given to encourage people to get them vaccinated to combat COVID-19; and save the nation/humanity from the dreaded Coronavirus.

Several other NASI Chapters also organized online scientific activities.



आजादी का अमृत महोत्सव
75th ANNIVERSARY OF INDIA'S INDEPENDENCE

The National Academy of Sciences, India

NASI

Kerala Chapter

invites you to join the WEBINAR
on

CURRENT AND NEXT GENERATION DNA FINGERPRINTING

Talk by :



Dr. E.V. Soniya, FNASc
Scientist G,
RGCB,
Thiruvananthapuram

Professor K V Peter
Chairman,
NASI Kerala Chapter

Dr. Deepu Mathew, KAU
Secretary,
NASI Kerala chapter

Dr. Vijayan Menon
Co-ordinator,
NASI Kerala chapter

5th
AUGUST
2021
10.30 AM

Link: <https://meet.google.com/iqq-vawg-nkj>

Jointly organized by
NASI Kerala Chapter
&
NASI HQ



**Jagkruta Abhiyan
for
Covid-19 Pandemic/
Azadi ka Amrut Mahotsav**



Jointly organized by
**NASI HQs
Jharkhand Chapter
& CSIR-NML
August 26, 2021
11:00 am-2:00 pm**

Meeting Link: <https://nasi.webex.com/nasi/j.php?MTID=me2c3db2a4fb3b9f70aea75b2fdc11167>

JAGRUKTA ABHIYAN FOR COVID-19 PANDEMIC/AMRUT MAHOTSAV

Jointly organized by NASI HQs, Jharkhand Chapter & CSIR-NML under NASI New Initiatives

Date: Aug 26, 2021

Time: 11:00 am-2:00 pm

Tentative Programme

11:00-11:10 am	Welcome Address	Dr. I. Chatteraj Director, CSIR-National Metallurgical Laboratory, Jamshedpur
11:10-11:25 am	About the Chapter	Dr. Arvind Sinha Chief Scientist, CSIR-NML, Jamshedpur; Chairman, Jharkhand State Chapter of NASI
11:25-11:40 am	About the programme 'Jagrukta Abhiyan for Covid-19'	Prof. (Mrs.) Manju Sharma Former Secretary to the Govt. of India, Department of Biotechnology; Chairperson, NASI New Initiatives
11:40 am-12:00 noon	Address by the Chief Guest	Prof. Chandrima Shaha President, INSA; Formerly Director, NII, New Delhi
Title	Virus behaviour and our defense	
12:00-12:20 pm	Presidential Address	Prof. Ajoy Ghatak President, NASI
12:20-12:40 pm	Lecture-1	Prof. P K Seth NASI Senior Scientist; Former CEO, Biotech Park, Lucknow; Former Director, IITR, Lucknow
Title	Lingering Effects of Covid 19 in humans particularly Brain	
12:40-1:00 pm	Lecture-2	Dr. Kiran Katoch Former Director, NJIL & OMD, (ICMR); Dr. A. S. Paintal Distinguished Scientist Chair of ICMR at IIHMR University, Jaipur
Title	COVID 19: Jagrukta for rural/tribal settings	
1:00-1:20 pm	Lecture-3	Dr. Shantanu Sengupta Scientist, CSIR-IGIB, New Delhi
Title	Insights from Covid 19 Sero Survey	
1:20-1:40 pm	Lecture-4	Prof. P. K. Bhattacharya ICU-Head, RIMS, Ranchi
Title	Covid related lung injuries	
1:40-1:50 pm	Closing Remarks	Dr. Niraj Kumar Executive Secretary, NASI
1:50-2:00 pm	Vote of thanks	Ms Archana Pant YWS, NASI



The National Academy of Sciences, India (NASI)

Professor Rajagopala Chidambaram is one of India's most distinguished experimental physicists. His outstanding and manifold contributions to science in general and the nation, in particular is a matter of great pride for all of us. His key role in developing India's nuclear weapons, being a part of the team conducting the first Indian nuclear test (Smiling Buddha) at Pokhran Test Range in 1974, further leading efforts to conduct the second nuclear tests in May 1998, are the landmarks of India's giant leap towards attaining nuclear power.

His emphasis on 'Coherent Synergy' for India's Science & Technology (S&T) efforts to take India on a sustained fast-growth path, on one hand, and focus on the importance of 'Directed Basic Research' as an addition to self-directed basic research, are the brilliant concepts which gave a new dimension to the growth and development of science & technology in India. He has been closely associated with all three National Science Academies; and his proximity with Prof. MGK Menon, another great scientist of the modern India is also well known.

He was the Director of BARC during 1993-2000 and Principal Scientific Adviser to the Government of India and the Chairman of the Scientific Advisory Committee to the Cabinet from 2001 to 2018; and is now holding an honorary position as DAE Homi Bhabha Chair Professor, Bhabha Atomic Research Centre (BARC).

He received many awards and honours for his service to the scientific society. The Indian Government acknowledging his noteworthy contributions awarded the Padma Vibushan, the second highest civilian honour to him in 1999.

Professor MGK Menon Lecture Series 1st lecture

on

The Many Dimensions of Nuclear Energy

by

Padma Vibhushan Prof. R Chidambaram
Former Chairman, AEC, Govt. of India;
DAE Homi Bhabha Chair Professor, BARC

August 28, 2021 @ 11:30 am

Abstract

Nuclear is, of course, electricity and is essential for India's energy security in the context of climate change. Nuclear is also weapons, which provide us credible nuclear deterrence. Further, there is no aspect of sustainable development - agriculture, medicine, water resource development, and so on - where nuclear does not play a part.

Professor MGK Menon was a renowned physicist and policy maker. He had a prominent role in the development of Science & Technology in India during the past five decades. One of his most important contributions was nurturing the TIFR, Mumbai founded by his mentor Homi J Bhaba in 1945.

He undertook experiments with cosmic rays to explore the properties of fundamental particles. He was the President of the Indian Statistical Institute, the Vikram Sarabhai Fellow of the Indian Space Research Organization, President of the National Academy of Sciences, India, Director of the Tata Institute of Fundamental Research, Mumbai (1966–1975), Chairman Board of Governors, Indian Institute of Technology, Bombay and Chairman Board of Governors of the Indian Institute of Information Technology, Allahabad. He had been Scientific Adviser to the Prime Minister and Chairman of the Scientific Advisory Committee to the Cabinet, Minister for Science & Technology in the Government of India; Vice President, Council of Scientific & Industrial Research (CSIR); and also a Member of Parliament (Rajya Sabha) during 1990-96.

He was elected a fellow of the Royal Society in May 1970; as well as the Fellow of all the three National Science Academies in India. He also became President of all three Academies. He was conferred with country's prestigious awards viz. Padma Shri (1961), Padmabhushan (1968) and Padma Vibhushan (1985) and also a recipient of several prestigious awards. **Prof. Menon nurtured NASI to the level where it stands today with its significant role in promoting Science & Technology; and during past 30 years the Academy witnessed a sharp growth under his consistent and visionary leadership.** The National Academy of Sciences, India owes its present position, the developments, new initiatives including a building to Prof. Menon.



Professor MGK Menon Lecture Series

1st lecture

on

The Many Dimensions of Nuclear Energy

by

Padma Vibhushan Prof. R Chidambaram

Former Chairman, AEC, Govt. of India; DAE Homi Bhabha Chair Professor, BARC

Saturday , August 28,2021

PROGRAMME

11:30 -11:35am

Welcome Address

Prof. Paramjit Khurana

GS (OS), NASI

11:35-11:55am

Introductory Remarks (About Prof. MGK Menon & Prof. R Chidambaram)

Prof. (Mrs.) Manju Sharma

Former Secretary to the Govt. of India, Department of Biotechnology;

Past President, NASI & NASI Distinguished Woman Scientist Chair

11:55am-12:35pm

Prof. MGK Menon Lecture

Prof. R Chidambaram

Former Chairman, AEC, Govt. of India;

DAE Homi Bhabha Chair Professor, BARC

12:35-12:45pm

Presidential Remarks

Prof. Ajoy Ghatak

President, NASI

Felicitations

12:45-12:50pm

Vote of Thanks

Prof. Satya Deo

GS (HQ), NASI

WebEx Link : <https://nasi.webex.com/nasi/j.php?MTID=m1866abfd9b557c1f93960b8ed8a232cc>