



The National Academy of Sciences, India (NASI)

5, Lajpatrai Road, Prayagraj-211002, India

Monthly Summary for the month of September 2021

1. A National Webinar was organised to make the students and general masses aware about the conservation issues regarding the natural resources and also its management, under the auspices of the NASI (Bhopal Chapter- please see [Annex. 1](#) for more details) on Sept. 1-6, 2021. The topics covered were - National Parks, Tiger Reserves, Wildlife Sanctuaries and Botanical, Zoological Gardens of India- Identification, Conservation and Management. Another Webinar-cum-Panel Discussion (please see [Annex. 2](#) for more details) was organised by the NASI-Mumbai Chapter on Nutritional Products, Formulation Strategies – Emerging Trends and Societal Implications on 18th Sept. 2021.
2. A National Webinar (*Jagrukta Abhiyan against COVID-19*) was organised (please see [Annex. 3](#) for more details) under ‘*Azadi ka Amrut Mahotsav*’ programme, earlier announced by the Hon’ble Prime Minister of India. The programme was jointly hosted by the NASI-HQ & its Pune Chapter on Sept. 7, 2021; and several eminent scientists including medical doctors addressed the webinar.
3. A Popular Science Lecture on ‘Metabolic Engineering of Plant Secondary Metabolites for Value Addition with reference to Economically Important Crops and Champion Algal Forms’ was organised also on 18th Sept. 2021 (please see [Annex. 4](#) for more details) by the Kerala Chapter of the NASI to enthuse young scientists to take interest in sustainable utilization of our natural resources. Similarly a Google Meet was also organised by the NASI-Rajasthan Chapter on Preparedness to handle/manage COVID (please see [Annex. 5](#) for more details); an illustrative talk was delivered by Prof. V. M. Katoch, former Director General, ICMR, New Delhi.
4. NASI-HQ, Prayagraj & NIN, Hyderabad, organised a National Webinar on ‘Food-based Remedies to Nutritional Maladies’, under the ‘*POSHAN MAH*’, on Sept 23, 2021; a wide range of topics related to malnutrition and its remedies (please see [Annex. 6](#) for more details) were discussed in detail. The Director, NIN, former Director, CCMB, and several other distinguished scientists participated under the leadership of Prof. Mahtab Bamji and Prof. Manju Sharma, Coordinators of the programme.
5. The Academy also celebrated the 101 birth anniversary of Padma vibhushan Prof. Satish Dhawan, former Chaiman, Space Commission on Sept 25, 2021 in joint collaboration with the IISc and ISRO, Bangalore. Several stalwarts of Space Science, as Prof. K. Kasturirangan, Prof. K. Radhakrishnan, Prof. K. Sivan, Prof. A. S. Kiran kumar, Prof. N. Balakrishnan, Dr Jyotsana Dhawan (daughter of Prof. Satish Dhawan), Prof. Ashok Misra and others addressed the gathering (please see [Annex. 7](#) for more details). The programme was coordinated by Prof. Manju Sharma, Past President, NASI.

Several other NASI Chapters also organized online scientific activities.



Govt. Madhav Sadashivrao Golwalkar College, Rewa(M.P.)

Accredited by NAAC with 'B' Grade



NATIONAL WEBINAR

(SERIES – SECOND)

ON

**NATIONAL PARKS, TIGER RESERVES, WILDLIFE SANCTUARIES AND
BOTANICAL, ZOOLOGICAL GARDENS OF INDIA- IDENTIFICATION,
CONSERVATION AND MANAGEMENT.**

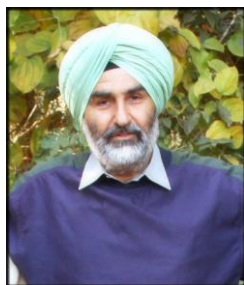
Date: **1st to 6th September, 2021**, Time: **012:30 PM – 04:30 PM**

-: Organized by : -

Department of Botany in Collaboration with IQAC

&

In Association with the National Academy of Sciences India- BHOPAL CHAPTER



Eminent Speaker

Shri H.S. Pabla (IFS)

Former PCCF & CWLW Madhya Pradesh



Eminent Speaker

Dr. N.P. Singh

Former Director,
Botanical Survey of India
(BSI) Kolkata



Eminent Speaker

Dr. P.S. Easa

Chairman Aranyamak Nature
Foundation & Ex- Director KFRI
Kerala



Eminent Speaker

Shri P.K. Singh IFS

APCCF & Additional MD, MPMFP
Federation Bhopal MP



Eminent Speaker

**Shri Prashant Kumar
Pandit, IFS**

Formerly CCF West
Bengal



Eminent Speaker

Shri Vincent Rahim IFS

CCF & Field Director
Bandhgarh National Park
MP



Eminent Speaker

Shri T.C. Verma IFS

CCF & Field Director
Ranthambhore Tiger
Reserve Rajasthan



Eminent Speaker

Shri Y.P. Singh IFS

CCF & Field Director
Sanjay Tiger Reserve Sidhi



Eminent Speaker

Mr. Jegadeeshan IFS

CCF & Field Director
Achanakmar Tiger
Reserve
Bilaspur Chhattisgarh



Eminent Speaker
Prof. Dinesh Chandra Bhatt
 Emeritus Professor Zoology
 Gurukul Kangri University
 Haridwar Uttarakhand



Eminent Speaker
Prof. S.K. Chaturvedi
 Former Head Botany
 Department, Nagaland
 University Lumami,
 Nagaland India



Eminent Speaker
Shri R.N. Meena IFS
 CF & Field Director
 Sariska Tiger Reserve
 Rajasthan



Eminent Speaker
Dr. N. Mohanan
 Former Senior Principal Scientist
 JNTBGRI Kerala



Eminent Speaker
Mr. Lalitlanhluva Zathang IFS
 DFO Aizawl , Mizoram



Eminent Speaker
Mr. Selvam IFS
 DFO Rajahmundry Andhra
 Pradesh



Eminent Speaker
Dr. Sanjeet Kumar IFS
 Deputy Director, Nandankanan
 Zoological Park Bhubaneswar,
 Odisha



Eminent Speaker
Dr. Rajkumar V. Jadhav
 Director, Rajiv Gandhi Zoological
 Park & Wildlife Research Center
 Pune



Eminent Speaker
Dr. R.K. Pandey
 Former Head Forest Ecology &
 Environment Division SFRI
 Jabalpur MP



Eminent Speaker
Dr. H.N. Kumara
 Principal Scientist
 SACON Coimbatore TN



Eminent Speaker
Dr. Sanjeev Kumar
 Joint Director & Scientist E & OIC
 ZSI Jodhpur Rajasthan



Eminent Speaker
Dr. Bhaskar Choudhury
 Office in-charge CWRC
 Kaziranga TR, Assam



Eminent Speaker
Shri K.L. Purohit
 Formerly Deputy Conservator
 of Forest, Bhubaneswar Odisha



Eminent Speaker
Dr. Mrs. Avinash Nagpal
 Professor of Botany Guru
 Nanak Dev University
 Amritsar Punjab



Eminent Speaker
Dr. Mrs. Neelu Sood
 Professor of Botany Kurukshetra
 University Kurukshetra, Haryana

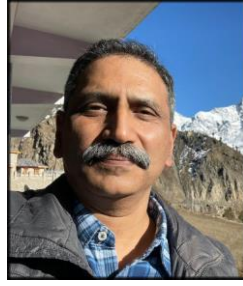


Eminent Speaker
Mr. A. Shankaran
 Former OSD Wildlife Govt. of
 Telangana



Eminent Speaker
Dr. G. Rajkumar

Principal Scientist, JNTBGRI
Kerala



Eminent Speaker
Dr. Yash Veer Bhatnagar
Senior Scientist, Nature
Conservation Foundation,
Mysore Karnataka



Eminent Speaker
Prof. M.C. Sathyanarayana
Associate Professor (Retd.) Zoology
& Wildlife Biology AVC College
Mayiladuturi TN



Eminent Speaker
Dr. K. Karthigeyan
Scientist E, Botanical Survey of
India Howrah WB



Eminent Speaker
Dr. Anil Mohapatra
Scientist E & OIC ZSI, Ganjam
Odisha



Eminent Speaker
Dr. Aditi Sharma
Senior Veterinary Officer
Rajaji National Park
Uttarakhand



Eminent Speaker
Dr. Ajay Kumar Jha
Senior Manager (Environment)
Teesta VI HE Project Balutar, East
Sikkim



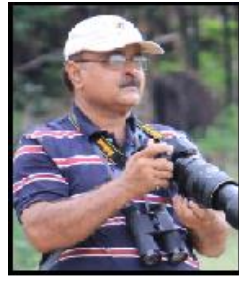
Eminent Speaker
Dr. P.P. Ghosal
Scientist, Botanical Survey of
India (BSI) Howrah, WB



Eminent Speaker
**Dr. Satya Prakash
Mehra**
Environmental cum
Development
Professional, Advisor
RSNH, Rajasthan



Eminent Speaker
Dr. Aniruddha Majumdar
Scientist, Madhya Pradesh
State Forest Research
Institute Jabalpur MP



Eminent Speaker
Shri Arvind Mishra
Founder Mandar
Nature Club Bhagalpur,
Bihar



Patron
Dr. S.M. Shukla
Principal Govt. M.S.
Golwalkar College Rewa
Madhya Pradesh



Convener
**Prof. Skand Kumar
Mishra**
Head Botany
Department
Govt. M.S. Golwalkar
College Rewa (M. P.)

* Link for Registration :

<https://forms.gle/kSpNdxVZakvxFgQE7>

* Link to join webinar :

<https://meet.google.com/upj-bfim-oks>

* Link to join webinar : **Youtube** <https://youtu.be/ZsSfziqXbx8>

*** WhatsApp Link***

Group-1 : <https://chat.whatsapp.com/Db4HUoT13uv3Fyv50bZL1z>

Group-2 : <https://chat.whatsapp.com/LcMwtd7ntoq9TBh2WR4fVg>



The National Academy of Sciences, India (Mumbai Chapter)
in association with
SVKM's Dr Bhanuben Nanavati College of Pharmacy, Mumbai



(Mumbai Chapter)

Organizes
Webinar-cum-Panel Discussion
on
Nutritional Products
Formulation Strategies –
Emerging Trends and
Societal Implications

September 18, 2021 (Saturday)
(09:00 – 15:30 hrs)



Speakers

Dr. Alka Jadhav

Professor, Paediatrics & In-charge, Division of Pediatric Gastroenterology, Hepatology & Nutrition, LTM Medical College, Sion, Mumbai.

Title of Talk: RUTF in Malnourished children

Dr. Mudra Saurabh Kapoor

Biomedical Engineer / Manager, TCS Mumbai, (Food fortification, Nutrition delivery related smart technology)

Title of Talk: Skin: Novel route for Micronutrient delivery

Prof. S. S. Lele

Emeritus Professor, Institute of Chemical Technology (ICT), Jalna Campus, (Formerly Professor, Department of Food Engineering and Technology, ICT Mumbai)

Title of Talk: Bioavailability and bio accessibility of bioactive compounds in fruit and vegetable products

Prof. Narendra Shah

Professor, Centre for Technology Alternatives for Rural Areas, IIT Bombay, Mumbai (Food Process Engineering, Food Nutrition Connect, Agro-based Industrial Development)

Title of Talk : Food formulations for Children in SAM and MAM category and how to sustain the growth rates

Mr. G. Venkateshwarlu

Joint Director & Functional Foods Expert
ICAR-National Academy of Agricultural Research Management, Hyderabad

Title of Talk: Emerging trends in delivery of omega-3 fatty acids

Patrons

Shri Amrishbhai Patel

President, Shri Vile Parle Kelavani Mandal

Shri Jayesh Choksi

Chairman, Gufic Biosciences Ltd.& Mentor

Convenors

Prof. P A Hassan

Secretary, NASI-MC

Dr. Munira Momin

Principal & Professor (BNCP)

Chief Coordinator

Dr. Tabassum Khan

Professor & HoD, Pharm Chem

Coordinators

Dr. Prabha Singh

Assistant Professor, Pharmaceutics

Dr. Radhika Raheja

Assistant Professor, Pharm Chem

Registration link:

<https://forms.gle/122B5cEDiAeRCJkw9>

Scan the QR code for registration



Last date for registration:

16th September 2021



The National Academy of Sciences, India (Mumbai Chapter)
in association with
SVKM's Dr Bhanuben Nanavati College of Pharmacy, Mumbai



(Mumbai Chapter)

About SVKM's Dr. Bhanuben Nanavati College of Pharmacy

Located at Vile Parle (West) Mumbai, SVKM's Dr. Bhanuben Nanavati College of Pharmacy is one of the premier Pharmacy Institutes in the State of Maharashtra. The college conducts B. Pharm., M. Pharm. (with specializations in Pharmaceutics, Quality Assurance and Pharmacology) and Ph.D. programmes. The B. Pharm. programme of the college is NBA-accredited for 5 years (2017-2022). The college has received AICTE-CII award for "Best Industry-linked Pharmacy Institute" for the year 2015 & 2017 and Platinum Category in 2016, and is also ranked 30th in All India Pharmacy Colleges by NIRF ranking 2020.

About The National Academy of Sciences, India (Mumbai Chapter)

Established in the year 1930, the National Academy of Sciences, India (NASI), is the oldest science academy in India. Headquartered in Prayagraj (U.P.), the NASI envisions cultivation and promotion of S&T in all its branches through – Promoting scientific and technological research related to the problems of societal welfare; Publication of proceedings, journals, memoirs, transactions and other works as may be considered desirable; Organising meetings and hold discussions on scientific and technological problems; Undertaking, through properly constituted committees and bodies, the scientific work(s) of technological or public importance; Co-operating with other organizations in India and abroad, having similar objects, and to Appoint representatives of the Academy to act on national and international bodies; Securing and managing funds and endowments for the promotion of science and technology; Organising a Science Library; Performing all other acts, matters and things that may assist in, conduce to, or be necessary for the fulfilment of the above mentioned aims and objects of the Academy; Creating an adequate impact of the Academy all over the country, by opening Chapters of the Academy in other cities in the country, where reasonable number of Fellows and Members are available. Mumbai Chapter (NASI-MC) is one such chapter of the NASI. In sync with the vision and mission of the Academy, the NASI-MC organizes a number of activities throughout the year in different parts and institutions in Mumbai and adjoining areas. (For further details of the Academy, please browse through the official website of the Academy: <http://www.nasi.org.in>)

About the program

India celebrates National Nutrition Month every year during September to spread awareness about nutritional needs and health supplements to the common public. Nutritional deficiencies and malnutrition are prevalent among all sections of the Indian population. Nutrition (Poshan) programme is also an important activity of NASI and in that context many programmes have been organized under the leadership of Hon'ble Prof. Manju Sharma, Chairperson- New Initiatives, NASI, distinguished Woman Scientist Chair, NASI and former Secretary, DBT, Govt. Keeping in view the COVID-19 pandemic and the general nutritional deficiencies and malnutrition prevalent among our society, a webinar-cum-panel discussion on "Nutritional Products Formulation Strategies - Emerging Trends and Societal Implications" is being organized to create awareness among researchers about the recent developments in the area of nutritional supplements and also awareness among the society. It aims to bring together leading academics, scientists, doctors, researchers, and civil society members for exchanging and sharing their experiences on various aspects of nutrition.

- **Registration:** Free, but mandatory
- **E-certificate:** E-certificate will be issued to the registered participants within one-week from the date of event after successfully attending the webinar and submission of feedback.
- **Event Details:** The sessions will be conducted through MS Teams online platform. Event details and meeting link will be sent to the registered participants through email.

Contact Details

SVKM's Dr. Bhanuben Nanavati College of Pharmacy,
SVKM Campus, V.M. Road, Vile Parle (W), Mumbai- 400 056

E-mail your queries at: bnpc.conference@gmail.com

Mobile. 9820245653 | 9082020839

Follow us





JAGRUKTA ABHIYAN FOR COVID-19 PANDEMIC/ AZADI KA AMRUT MAHOTSAV

Jointly organized by NASI HQs & Pune Chapter

Date: Sep 7, 2021

Time: 10:30 am-1:30 pm

10.30-10.35am Welcome Address



Prof. G C Mishra

Chairman, NASI Pune Chapter;
Former Director, National Centre for Cell Science, Pune

11.50am -12.15pm Lecture- 3 'Management of COVID and Vaccination in the adult



Dr. Sanjeev Sinha

Professor, Department of Medicine,
AIIMS, New Delhi

10.35-10.50am Genesis of the programme –Jagrukt Abhiyan for Covid-19



Prof. (Mrs.) Manju Sharma

Former Secretary to the Govt. of India,
Department of Biotechnology, New Delhi;
Chairperson, NASI New Initiatives

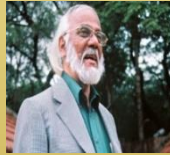
12.15-12.40pm Lecture-4 'Vaccine hesitancy, a key hindrance to achieving herd immunity'



Prof. V. P. Kamboj

NASI Hony. Scientist, Former Director, CDRI, Lucknow;
Past President, NASI

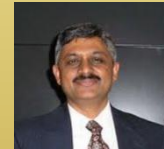
10.50-11.00am Inaugural Address – 'SARS-2 Variants: What does it mean to the virus?'



Prof. G. Padmanaban

Former Director, Indian Institute of Science,
Bangalore; Past President, NASI

12.40- 1.05pm Lecture-5 'COVID-19: the way ahead?'



Dr. Arvind Sahu

Scientist 'G',
National Centre for Cell Science, Pune

11.00-11.25am Lecture- 1 'New Normal Etiquettes have come to stay'



Dr. Priya Abraham

Director,
National Institute of Virology, Pune

1.05-1.30pm Lecture-6 'COVID-19 and Children: current situation and way forward'



Dr. Sanghmitra Pati

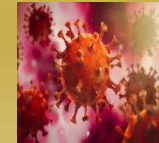
Director,
ICMR-RMRC, Bhubaneswar

11.25-11.50 am Lecture-2 'COVID-19 Vaccine – Research and Development'



Dr. Sanjay Singh

CEO, Gennova Biopharmaceuticals Ltd, Pune



Vote of thanks

Ms Archana Pant

YWS, NASI



Meeting link: <https://nasi.webex.com/nasi/j.php?MTID=m1e169cdb5750c99566f0297a2a8016e4>



Popular Science Lecture

Annex. 4



Organized by

The National Academy of Sciences India
Prayagraj, Kerala Chapter

In Association With
Department of Biosciences,
Union Christian College, Aluva

Lecture on
Metabolic Engineering of Plant Secondary Metabolites
for Value Addition with reference to Economically
Important Crops and Champion Algal Forms



Register Now

(Click here to Register)

Dr. G.A. Ravishankar

FNASc., FNAAS, FAFST, FBS, FSAB, FISAB,
FAMI, FIAFoST(Canada), FIFT(USA), CFS(USA).

Vice President & Professor of Biotechnology,
Dayananda Sagar Institutions, Bengaluru.

Saturday, 18th of September
At 09.30 AM IST



Advisor

Dr. Susan Eapen,
Adjunct Faculty, UCC
Member, NASI
09004428381

Convener

Dr. Edathil Vijayan,
FNASc

Co-ordinator

Dr. Sareen Sarah John,
Asst. Professor
Dept. of Biosciences
094475 02758

Abstract

Secondary metabolites from plants have tremendous economic value for varied applications in food, medicines, and chemicals of multiple utilities. In recent years there has been a tremendous increase in understanding of the secondary metabolite pathways and the functional genomics. Moreover, the advent of modern tools of molecular biology has enhanced our ability to engineer the pathway in a desired manner to obtain new and novel compounds in native plants and also in newer hosts. Some of our studies done in higher plants and also in algal forms will be presented highlighting the importance of the techniques used to specifically engineer the pathways to alter the production of secondary metabolites in a desired manner.

We were able to engineer the pathway of caffeine in coffee plants through antisense gene or RNAi technology towards the objective of lowered caffeine in *Coffea canephora*. This technology provides an alternative to solvent mediated decaffeination process. In a study dealing with the mobilization of cyanobacterial gene to higher plants, we could achieve the expression of Δ -6-desaturase from cyanobacterium -*Spirulina* into soybean which resulted in the formation of γ linolenic acid in this crop, enhancing the nutritional value of the soybean oil.

Our studies on the pathway engineering of carotenoids in microalgal forms led to induction of astaxanthin in *Dunaliella*, which is otherwise a popular organism for the commercial production of β carotene. Astaxanthin is a potent antioxidant, anticancer agent and also exhibits anti-ulcer properties, hence molecule of high demand.

We have also studied the pathway of capsaicin (a pungent principle of green pepper) and identified the gene for vanillylamine- aminotransferase. Alterations in the pathway of capsaicin in favour of vanillyl alcohol formation is reported to produce capsinoids, which are non-pungent and potent anti-obesity molecules. Similarly, synthetic biology approach to produce high value metabolites in yeast has been demonstrated to produce metabolites such as artemisinin in industrial scale.

The technologies that are adopted for pathway engineering for achieving desired metabolite production in situ will be discussed for commercial applications based on our studies, and from published literature to provide global perspectives.

Saturday, 18th of September At 09.30 AM IST



MEETING ID- 946 450 4891
PASSWORD- bioscience



CHANNEL
Department Of BioSciences



RAJASTHAN/JAIPUR CHAPTER OF THE
NATIONAL ACADEMY OF SCIENCES,
INDIA
&
SCHOOL OF LIFE SCIENCES
is organizing a **Webinar** on



Getting Ready to Face the Emerging Scenario of COVID-19

SPEAKER:

Dr. V. M. Katoch

MD, FNASc, FASc, FAMS, FNA
NASI-ICMR Chair on Public Health Research at
Rajasthan University of Health Sciences (RUHS), Jaipur
Former Secretary, Department of Health Research, Govt. of India
and Director-General, Indian Council of Medical Research (ICMR)

Mode: **ONLINE**



Google Meet



Sept.
2021

SATURDAY,
11:00 AM TO 12:00 noon



NASI-NIN Webinar

Annex. 6



on

'Food-based Remedies to Nutritional Maladies'

-Commemorating the Rashtriya POSHAN Maah - September 2021



September 23, 2021 @11:00 am



One Nutrition, One Nation

Join us on:

<https://nasi.webex.com/nasi/j.php?MTID=m71b711edd3ac61e851c1b15e746911a3>



Webinar on

'Food-based Remedies to Nutritional Maladies'

jointly organised by NASI & ICMR-NIN, Hyderabad
Date: September 23, 2021 Time: 11:00 am



Programme

- Introductory Remarks** **Dr. (Mrs.) Manju Sharma**
Former Secretary to the Govt. of India, DBT; Past President, NASI;
NASI-DST Distinguished Woman Scientist Chair
- Lecture-1** **Policy implications of Nutrient Requirements- the RDA and EAR**
Speaker **Dr. R Hemalatha**
Director, ICMR- National Institute of Nutrition, Hyderabad
- Lecture-2** **Biochemical and functional evidence of micronutrient deficiencies**
Speaker **Dr. G Bhanuprakash Reddy**
Scientist G, ICMR- National Institute of Nutrition, Hyderabad
- Lecture-3** **Nutritionally sensitive and environmentally sustainable agriculture for household food security**
Speaker **Dr. Mahtab S Bamji**
INSA Emeritus Scientist, Dangoria Charitable Trust, Hyderabad;
Director Grade Scientist (Retd.), ICMR- National Institute of Nutrition, Hyderabad
- Lecture-4** **Nutritional importance of Millets**
Speaker **Dr. B Dayakar Rao**
Principal Scientist, ICAR- Indian Institute of Millets Research, Hyderabad
- Lecture-5** **Food synergy as a public health strategy to improve bioavailability of micronutrients**
Speaker **Dr K Madhavan Nair**
Scientist F, Retd. ICMR-National Institute of Nutrition, Hyderabad;
Chairperson, Scientific Panel on Labelling & Claims/Advertisements, FSSAI
- Concluding Remarks** **Dr. Ch Monan Rao**
Former Director, CSIR, Centre for Cellular and Molecular Biology, Hyderabad
- Vote of thanks:** **Ms Archana Pant**
YWS, NASI

General Discussion

The National Academy of Sciences, India (NASI)



Celebrates (Virtually)

Birth Anniversary of Prof. Satish Dhawan

on

25th September, 2021 at 11.00 am to 6.00 pm



Prof. Satish Dhawan
25.9.1920 - 03.01.2002

--- Programme ---

You tube Live: <https://www.youtube.com/c/nasiprayagraj/live>

Inaugural Session : (11:00 am - 12:30 pm)

Welcome	Prof. Govindan Rangarajan Director, Indian Institute of Science (IISc), Bengaluru
Genesis of the programme	Prof. Manju Sharma NASI-DST Distinguished Woman Scientist Chair; Past President, NASI Former Secretary, Department of Biotechnology, Govt. of India
Remembrance	Prof. Ashok Misra Former Director, IIT Bombay; Past President, NASI Chairman, NASI-Bengaluru Chapter
Remembrance	Dr. Jyotsna Dhawan Emeritus Scientist, CSIR-CCMB, Hyderabad
Presidential Address	Prof. Ajoy Ghatak President, NASI; Former Professor of Physics, IIT Delhi, New Delhi
Inaugural Address	Dr. K Kasturirangan Past President, NASI; Former Chairman, ISRO & Space Commission, Govt. of India
Vote of Thanks	Prof. Paramjit Khurana General Secretary (OS), NASI; Department of Plant Molecular Biology, South Campus, DU, New Delhi

Lunch Break (12.30 pm - 01.15 pm)

Plenary Session-1: (01:15 pm-3:15 pm)

Chairman	Dr. K.Sivan Chairman, ISRO and Secretary, Department of Space, Govt. of India (Special Remarks)
Co-Chair	Dr. Jyotsna Dhawan Emeritus Scientist, CSIR-CCMB, Hyderabad

Speaker-1	Dr. K Radhakrishnan Former Chairman, ISRO, Bengaluru
Speaker-2	Prof. S Chandrashekar Professor, IIM, Bengaluru ; and Visiting Professor, NIAS, Bengaluru
Speaker-3	Dr. A S Kiran Kumar Former Chairman, ISRO, Bengaluru
Speaker-4	Dr. Pramod Kale Former Director, Vikram Sarabhai Space Centre (VSSC), ISRO,Thiruvananthapuram

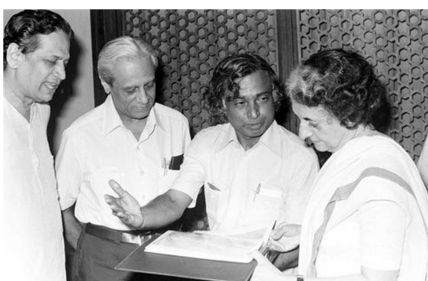
Tea Break (3.15 pm - 3.45 pm)

Plenary Session-2: (3:45 pm – onwards)

Chairman	Shri S Somanath Director, Vikram Sarabhai Space Centre (VSSC),ISRO, Thiruvananthapuram
Co-chair	Dr. V Narayanan Director, Liquid Propulsion Systems Centre (LPSC), ISRO, Thiruvananthapuram
Speaker	Shri D Sam Dayala Dev Director, ISRO Inertial Systems Unit (IISU), Thiruvananthapuram

Concluding Session: (5.15 pm – onwards)

Chairman	Dr. K Kasturirangan Past President, NASI Former Chairman, ISRO & Space Commission, Govt. of India
Co-chair	Prof. Satya Deo General Secretary (HQ), NASI Former Vice-Chancellor, APS University, Rewa (MP)
Address	Dr. N Balakrishnan Former Professor, IISc, Bengaluru
Concluding Remarks	Prof. G. Padmanaban Past President, NASI Former Director, Indian Institute of Science, Bengaluru
Vote of thanks	Dr.Niraj Kumar Executive Secretary, NASI



Memorable photographs of Prof. Satish Dhawan: courtesy internet