



Happy New Year 2019

## NIAS Newsletter

Vol 5 | Issue 1 | January | 2019

### New Year Greetings from the Director

Happy new year to you all.

The greatest challenge of the century is how to balance our developmental goals and protect our environment. With global human population to rise to 9 billion by 2050, it is of paramount importance that we synchronize the development goals with the conservation of the Earth's environment for sustainable development. We need to view this scenario as an opportunity to find innovative ways to find solutions to sustain development and to improve the quality of life.

NIAS has been ideally placed to address all these issues affecting humanity having an ideal mix of natural scientists, technologists and social scientists. We have contributed significantly to various aspects related to water, education, health, energy, climate change, urban habitat, conflict resolution, governance, etc. from a multidisciplinary angle. Such a scenario provides us with ample opportunities to undertake sustainability science research by bringing together expertise on global, regional and local perspectives from the natural and social sciences, engineering, humanities and healthcare.

Let us take lead to address sustainability science so that instead of being a net consumer of knowledge, we can be a net producer and exporter of knowledge on sustainability.

Hope 2019 brings us closer in that endeavour.



Dr. Shailesh Nayak  
Director, NIAS

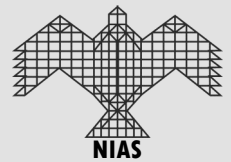
#### New Deans for the NIAS Schools as on January 1, 2019

[Prof D Suba Chandran](#), School of Conflict and Security Studies

[Prof Sangeetha Menon](#), School of Humanities

[Prof R Srikanth](#), School of Natural Sciences and Engineering

[Prof Narendar Pani](#), School of Social Sciences



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#### NIAS Calendar

**12/Feb: Workshop: Languages of Caste: Assertion, Denial and Resistance**

**13/Feb NIAS Wednesday Discussion: "Bacterial Intelligence" by Sisir Roy, Lecture Hall, NIAS, 1600 hrs**

This newsletter is compiled by the NIAS communications officer using submissions from the NIAS community.

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# National Institute of Advanced Studies

Indian Institute of Science Campus, Bengaluru-12

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JRD Tata



## Highlights of January

### **Prof. Sharada Srinivasan has been a recipient of the Padma Shri award 2019 in the field of Archaeology**



Prof Sharada Srinivasan specialises in the scientific study of art, archaeology, archaeometallurgy, and culture. Her significant contributions include archaeometric characterisation of bronzes using lead isotope analysis and archaeometallurgical studies on ancient mining and metallurgy in southern India. Her work has covered the disappearing ancient Indian metallurgical traditions, the sophisticated high-tin bronze metallurgy in the Iron Age from Tamil Nadu and the usefulness of lead isotope ratio and compositional analysis in fingerprinting and studying the art history of sculptures and the metallurgy of high grade wootz steel from Indian antiquity. She has also been an acclaimed performer of Bharata Natyam classical dance. She is also a recipient of the Dr Kalpana Chawla State Award for Women Scientists 2011. Prof Srinivasan is a Fellow of the Royal Asiatic Society and Great Britain and World Academy of Art and Science. She is Honorary Fellow of

University of Exeter. She did her PhD from Institute of Archaeology, UCL, London in Archaeometallurgy, MA from SOAS and and B.Tech from IIT-B. She is Head, Heritage, Science and Society Programme, NIAS

### **Prof. S. Settar has been conferred of President Awards the Certificate of Honour for the Year 2016**

Prof. S Settar has been selected for the conferment of President Awards the Certificate of Honour for the Year 2016 in recognition of his outstanding contribution for the cause of Classical Kannada by the Department of Higher Education, Ministry of Human Resource Development , Government of India



Picture Credit Google photos



## Highlights of January

### NIAS MAIYA PRODIGY Fellowship Talent Search Programme held on January 4, 2019



EGT-NIAS in collaboration with Iyengar Foundation and National College Basavangudi launched a talent search programme to identify excellence in the age group of 16-18 years. The programme aims to provide a fellowship worth Rs. 50,000 and 5 years of mentorship support to the selected students. The five years for these students are crucial in making career choices and selecting appropriate courses that will help them in matching their interests and abilities with courses and universities.

The selection process consists of portfolio that is collected through a comprehensive application form. The selected students go through a two-step screening – a creative essay and an interaction session with an expert panel. The programme was launched in 2016 by Prof. C.N.R.Rao, and had successfully completed three years in 2019.

This year there were 22 students who were awarded the fellowship. Ten fellowship each was sponsored by the family of Baldev Raj in the name of his mother Amrit and Iyengar foundation. The profile of the students had an eclectic mix of children with demonstrated interest in science, engineering, languages, humanities, including performing art. The chief guest of the programme was Dr. Sadananda Maiya and was presided by Dr. Kiran Kumar, formerly, the chairman of ISRO.



The students were felicitated with NIAS-MAIYA PRODIGY Fellowship award 2018-19 on 4<sup>th</sup> January 2019 in the presence of Dr. Shailesh Nayak, Director NIAS, Padma Shri awardee Prof. Kiran Kumar, former ISRO Chairman, Dr. Sadanand Maiya, founder and MD of Maiyas Beverages and Food PVT LTD, Dr S.S. Iyengar, Dr. Anitha Kurup, Dean & Prof at NIAS, and Dr. A.H. Rama Rao, Principal National College, Bangalore. The award function was dedicated to late Prof. Baldev Raj, formerly director of NIAS who played a critical role in launching the NIAS MAIYA PRODIGY Fellowship programme.



# NIAS Training Programme

## 33rd NIAS Annual Programme for Senior Executives held on 7-12 January 2019



Mr Yashwant Sinha

The 33rd NIAS Annual Programme for Senior Executives was held from January 7 to 12, 2019. The theme of the programme was 'India in 2047: A Global Leader – Influencing the World through an Inclusive Rise'. The twenty-five participants included senior executives from various government organisations as well as from private industries. The programme included lectures and discussions on a range of subjects.

Dr AS Kiran Kumar, Former Chairman, ISRO set the tone of the programme with his inspiring addresses in the inaugural session.

The sessions were addressed by well-known personalities including Dr Sudhir Kumar Mishra, Prof PS Goel, Dr Usha Kim, Prof Vijayalakshmi Ravindranath, Prof Narendar Pani, Mr Yashwant Sinha, Prof SS Meenakshisundaram, Mr DR Kaarthikeyan, Prof Muchkund Dubey, Mr G Padmanabhan, Mr Anil Swarup, Prof SD Muni, Lt Gen (Dr) Prakash Menon, Ms Rohini Nilekani, Dr Sharachchandra Lele, Mr B Muthuraman and Justice N Santosh Hegde, all of whom brought in their valuable experience and learnings into the discussions.



Justice N Santosh Hegde



Amb Shyam Saran

The evening public lectures by leading lights such as Mr Ricky Kej and Prof Rajmohan Gandhi were very well received by the participants as well as by the members of the citizenry of Bengaluru. The Fourteenth Raja Ramanna Memorial Lecture by Prof Ravi Grover was part of the programme.

A highlight of the programme this year was Odissi Dance Performance by Nrityagram Dance Ensemble.

The valedictory address was given by Amb Shyam Saran. The programme was coordinated by Prof D Suba Chandran and Prof R Srikanth.





# NIAS Training Programme

## NIAS-DST Training Programme on Science and Technology: Global Developments and Perspectives held on January 21, 2019 to February 1, 2019

NIAS-DST training programme on “Science & Technology: Global Developments and Perspectives” was organised during January 21 to February 1, 2019. The course has emphasis on the development of leadership qualities through the integration of multidisciplinary knowledge and the current developments and their scientific, social and policy dimensions. The participants of the program included from, ISOR, DAE, CSIR, DoT, DoE and academic institutes.



Shri K.M. Chandrasekhar

Shailesh Nayak

M Sai Baba

The inaugural program started with the welcome by Prof. M. Sai Baba, Coordinator of the program and the introductory remarks by Prof. Shailesh Nayak, Director, NIAS. In his inaugural address, Shri K.M. Chandrasekhar, former Cabinet Secretary, Government of India, emphasised the need to bring about much stronger ties between industry, including private sector, market and R&D institutions and the role NIAS can play in bringing together all the stakeholders.



Dr. R. Chidambaram

In all there were 32 lectures which included, three public lectures. Dr. R. Chidambaram, former PSA, Government of India and former Chairman, AEC, delivered the Second Dr. Baldev Raj Memorial lecture on “Global Sustainable Development: Role of Science, Technology and Innovation”. The public lecture by Dr Pradeep K Srivastava made a lucid presentation on “Scientoon and Scinetonics “. The public lecture by Dr. Ananda Shankar Jayanth, was on the theme “Art, Culture. Markers for Development” and she appealed to tap into the abundant resources in our culture and contribute for embracing and strengthening our traditional arts and culture.

Very senior and eminent people delivered the talks and there was active participation from the participants. Morning yoga sessions and weekend visit to Shravanabelagola and Master Control Facility at Hasan formed part of the program.

A music concert “Peace is My Dream” by Dr. Nirupama Menon Rao, former Indian Foreign Secretary and Ambassador was organised as part of the program.

The program concluded with the valedictory function with Prof VijayRaghavan, Principal Scientific Advisor to Government of India, as the chief guest. Prof. VijayRaghavan, in his valedictory address, emphasised the importance of the role of scientific agencies and need for connecting to the people. The program ended with vote of thanks proposed by Dr Anshuman Behra, the co-course coordinator.



Prof. VijayRaghavan



Panel Discussion on Expressions of Life, Living and the Self: A Discussion on Many Facets of Indigenous Healing Traditions and Ritual Arts by Prof Sreekumar Nellikkapilly, IIT Chennai; Dr Sudha Gopalakrishnan, Sahapedia; Dr Shashank Sinha, Routledge; Dr JJ Pallath, Jeevana Samskriti; Prof S Gregory, University of Kannur; Dr MP Damodaran, University of Madras; Prof John P John, NIMHANS and Prof. Sangeetha Menon, NIAS, January 17, 2019

# NIAS Public Lecture and Discussions

## ANNUAL MEMORIAL LECTURES



### *Second Baldev Raj Memorial Lecture*

**Dr R Chidambaram**

Former Principal Scientific Advisor to Government of India and Former Chairman, Atomic Energy Commission  
Global Sustainable Development: Role of Science, Technology and Innovation, January 29, 2019



### *Fourteenth Raja Ramanna Memorial Lecture*

**Dr RB Grover**

Emeritus Professor, Homi Bhabha National Institute, Mumbai  
Realisation of International Civil Nuclear Cooperation: A Technical Perspective, January 9, 2019



### *Eighteenth MN Srinivas Memorial Lecture*

**Prof Amita Baviskar**

Professor of Sociology, Institute of Economic Growth, Delhi  
Consumer Citizenship: The Social Life of Industrial Foods in India, January 2, 2019

## NIAS WEDNESDAY DISCUSSION

“Mapping the History of Iron Age-Early Historical Burials of South India” by **Dr Smriti Haricharan**, Assistant Professor, Heritage Science and Society Programme, NIAS, January 16, 2019

“Complex Behaviour in Natural Systems: From Cellular to Macroscopic Scales” by **Prof Janaki Balakrishnan**, Head, Complex Systems Programme, NIAS, January 2, 2019

## PANEL DISCUSSION

**Five Trends to Watch in 2019** – Multi-disciplinary discussion, attempting to outline five major trends at the global and national levels during 2019 held on January 25, 2019.

## India in 2047 A Global Leader

*Influencing the World through an Inclusive Rise*

*Prerequisites for Global Leadership: Learning from History* by **Prof Rajmohan Gandhi**, Biographer, Historian and Former Member of Parliament, January 10, 2019

# NIAS Public Lecture and Discussions

## PUBLIC PROGRAMMES



*Peace is My Dream – Music Concert* by **Ambassador Nirupama Menon-Rao** and **Party**, January 31, 2019

*Art, Culture and Development* by **Dr Ananda Shankar Jayant**, Dancer, Choreographer, Bureaucrat and a TED Speaker, January 30, 2019



*Scientoons and Scientoonics* by **Dr Pradeep Kumar Srivastava**, Former Deputy Director and Senior Principal Scientist, Medicinal and Process Chemistry Division, Central Drug Research Institute, Lucknow, January 22, 2019

*The Career of Clay in the Deccan* by **Dr Susan S Bean**, Independent Scholar and Curator; Chair, Art and Archaeology Center, American Institute of Indian Studies, Gurugram, January 9, 2019 (NIAS–TCS Heritage Initiative).



*Vision for A Young India* by **Mr Ricky Kej**, Music Producer, Music Director, Revolution Studios, Bengaluru, January 8, 2019

*Aesthetic Vision and Carnival Experience: Necessary Counterparts in a Dialogic World Engaging with Living Texts (The Mahabharata) and Performing Traditions* by **Dr Laxmi Bandlamundi**, Professor of Psychology, LaGuardia Community College, City University of New York, January 25, 2019

*Vichaara Dhaara (A Series of Talks on Philosophy)* by **Prof Sundar Sarukkai**, NIAS, January 12, 2019

*Towards a Renewal of Feminist Politics? ‘Bad Girls’, Everyday Sexism and Activist Campaigns in Millennial India* by **Dr Radhika Govinda**, University of Edinburgh, UK, January 8, 2019



## Recent Publications

### Books

**Malavika Kapur** (2019): [CTET Preparation and Practice: Child Development and Pedagogy \(Papers I & II\)](#), Oxford University Press, New Delhi (2019)

**Sundar Sarukkai** (2019): [IraNdu thanthaiyar \(NadagangaL\)](#) Translated by Srinivasa Ramanujam , Maatru Veliyeetagam, Chennai (2018)

### Book Chapter

**Snehashish Mitra** (2019): [Out-migration and Labour Mobility: Case Studies from Assam, Employment and Labour Market in North-East India: Interrogating Structural Changes](#), Routledge India, New Delhi

### Journal Article

**Kuili Suganya; Mandyam B. Rajani** (2019): [Underground Water Supply System in the late Nineteenth and Early Twentieth Century Bangalore](#), Water History, p.1-21 (2019)

**Shashi Kiran Redd J; Sisir Roy** (2019): [The Difference in Traditional and Contemporary Meditative Pathways](#) , Prabuddha Bharat (2019)

**Sisir Roy** (2019): [Nano-Scale Property of Water and its Role in K-Ion Channel in Brain](#), Acta Scientific Neurology , Volume 1, Issue 2, p.12 (2018)

### Media Publications

**Jayant Murthy, A.Jayakumar and Sunder Sarukkai**, "[Are we undermining our scientific temper?](#)", *The Hindu*, 25 January 2019

**Sourina Bej**, "[Maghreb and the Al Shabab Resurgence](#)", *Rising Kashmir*, 25 January 2019

**D Suba Chandran**, "[Pakistan: Farewell, Justice Nisar](#)", *Rising Kashmir*, 22 January 2019

**Himani Chandna**, "[Raja Ramanna: Scientist who put India on nuke map was a Mozart fan, Sanskrit scholar](#)", *The Print*, 28 January 2019

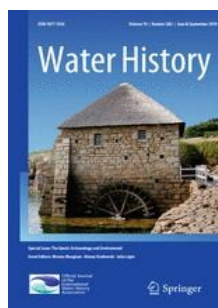
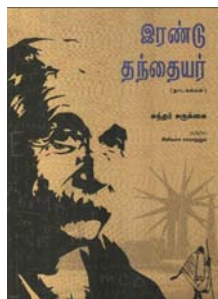
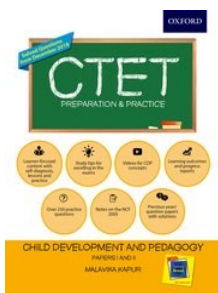
**Aparupa Bhattacharjee**, "[Will 2019 be better for the Rohingya?](#)", *Rising Kashmir*, 16 January 2019

**D Suba Chandran**, "[Afghanistan: The Great Game in 2019](#)", *Rising Kashmir*, 15 January 2019

**D Suba Chandran**, "[Bangladesh: The Burden of Electoral History](#)," *Rising Kashmir*, 08 January 2019

**Seetha Lakshmi Dinesh**, "[US and China: between confrontation and competition](#)," *Rising Kashmir*, 4 January 2019

**D Suba Chandran**, "[South Asia: Five Conflicts to watch in 2019](#)," *Rising Kashmir*, 1 January 2019



**We would appreciate your feedback and suggestions on how to improve our newsletter.**

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