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 Naba Kumar Mandal, Experimental particle physicist, retired from TIFR Mumbai
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 Dr. Chinmaykar Das, Dept of Pol Science, AC College, Jalpaiguri
 Dr. Alivia Sarkar, HOD, Dept of Physics, AC College, Jalpaiguri
 Dr. Sujit Kumar Ghosh, Retired Reader in Physics A C College
 Smt. Moushree Pal Roy, HOD, Dept. of Microbiology, AC College, Jalpaiguri
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 Dr. Amrita Das, Dept of Chemistry, P D Womens College, Jalpaiguri
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 Sri Subrata Bhattacharya, HOD, Dept of ME, Jalpaiguri Eng. College
 Sri Arindam Saha, Dept of Physics, Jalpaiguri Eng. College
 Mr. Anisur Rahaman, Dept of Physics, Jalpaiguri Eng. College

Sri Debojyoti Chatterjee, Dept of Math, Jalpaiguri Eng. College
 Dr. Sulagna Dutta, Dept. of Physics (HOD), Mathabanga College
 Dr. Sudip Adhikary, Dept. of CSE, Coochbehar Govt. Eng. College
 Sri Amit Singha Roy, HOD of Basic Science and Humanities, Coochbehar Govt. Eng. College
 Dr. Debasish Das, Dept of Zoology, Tufanganj Mahavidyalaya, Coochbehar
 Kallol Bandhu Bagchi, Dept of Math, K P Ghosh Tarai Mahavidyalaya.
 Dipika Roy, Science Working Group, Coochbehar
 Md. Hedayet Tulla, Science Working Group, Coochbehar
 Dhiman Sarkar, Light of Science, Jalpaiguri
 Bappa Roy, Light of Science, Jalpaiguri
 Susmita Bashak, Dhupguri Science Club, Jalpaiguri
 Pritam Goswami, Dhupguri Science Club, Jalpaiguri
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 Sukhendu Roychowdhury, Breakthrough Science Society, Darjeeling Chapter
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 Dr. Raja Routh, Teacher, Bhotpatti HBL High School and Secretary, Jalpaiguri Science and Nature Club
 Shashanka Sarkar, Scholar, Dept of Chemistry, NBU
 Soumik Das, Scholar, Dept of Chemistry, NBU
 Nihal Sarkar, Student and member, IMFS Siliguri organizing committee
 Dr. Suman Koner, Dept of CE, Jalpaiguri Government Engineering College
 Dr Kingshuk Dan, Dept of Civil Engineering (HOD), Coochbehar Government Engineering College
 Mr. Bishnupada Chakraborty, Librarian, Coochbehar Government Engineering College
 Many others

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<http://MarchForScience.in/>

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**An appeal
by eminent scientists**

IMFS - SILIGURI
in association with
BREAKTHROUGH SCIENCE SOCIETY

**INDIA
MARCH
FOR
SCIENCE**



SILIGURI
9th August, 2019 • 1:00 PM
 March from Baghajatin Park
 to
 Siliguri Junction Bus Stop

Contact :
9832630713 | 9083006359

<http://MarchForScience.in/>

INDIA MARCH FOR SCIENCE

August 9, 2019, in all major cities of India

AN APPEAL

Friends,

The mission statement of the March for Science voices the aspirations of lakhs of scientists, researchers, science communicators, students and public-at-large who have taken part in the two earlier Marches across hundreds of cities and towns around the world including India. It champions robustly funded and publicly communicated science as a pillar of human freedom and prosperity.

In fact, the overwhelming and enthusiastic response of scientists of most countries indicated that almost everywhere, science is being either disregarded or undermined, with policymakers pursuing policies ignoring scientific evidence, and in the quest for short term economic gains, financial support for fundamental research in science is dwindling alarmingly all over the world.

India March for Science joins the science communities across the globe to call for science that upholds the common good, and for policymakers to enact evidence-based policies in the public interest. Inspired by the huge participation in earlier marches on 9 August 2017 and 14 April 2018 in about 40 cities and towns across the country, we propose to hold 3rd India March for Science event on 9 August 2019, in the spirit of celebrating science and promoting scientific temper.

Firstly, the contributions of the Indian subcontinent to philosophy, art, music, literature, astronomy, mathematics and medicine date back to several millennia and are recognised the world over. In fact, Einstein said gratefully: 'We owe a lot to the Indians, who taught us how to count'. The great schools of thought of yore viz., Sankhya, Mimamsa, Vaisheshika and, of course, Lokayata contain outstanding elements of philosophical thought.

However, ignoring these genuine contributions that are based on historical evidence, making unsustainable claims about an imaginary past, has become a growing trend. Attempts to undermine well established evidence-

based scientific theories, such as Darwin's theory of evolution and Einstein's theory of relativity, are being made even from time-honoured platforms meant for scientific exchange, such as the Indian Science Congress. Fake news is being relied upon and fake narratives are being spun and propagated by some policymakers at the Centre and State levels. Unscientific ideas and superstitious beliefs are being spread and, in fact, have been gathering pace since Independence, in direct violation of Article 51A of the Constitution.

Secondly, countries that have shown consistent and commendable research output are characterized by significant public investment in R&D and education. Those countries spend around 6% of their GDP on education and 3% on S&T research. On the other hand, India spends below 3% and 1% respectively and this trend has gradually worsened over the years. As a result, a large section of the country's population has remained illiterate or semi-literate; our college and university system is reeling under acute shortages of infrastructure, teaching and non-teaching staff, and funds for carrying out research. Science-funding agencies like CSIR and DST, pushed into acute fund crisis, are unable to disburse even committed support to students and research projects. Thus, adequate financial support from the government and equitable distribution of resources between Centres of Excellence, Central Universities and State universities is a dire need today.

Thirdly, it is important that curriculum is driven by content that is supported by scientific evidence to ensure the proper development of a student's knowledge, scientific temper, and faculty of critical thinking. Hence, the growing trend of including ideas unsupported by scientific evidence in school curriculum needs to be challenged in the interest of future generations.

Finally, it is now an established canon of governance that all decisions that impact people's lives should be based, not on personal beliefs, but on scientific evidence. Therefore, such policy decisions should be taken through consultations with the scientific community, involving the scientific bodies like the Academies.

Science and scientific temper are the pillars on which the material development, prosperity and cultural well-being of the Indian people rest. India March for Science, as an integral part of the global March for Science, is an earnest endeavour to celebrate science, to underscore the importance of cultivating scientific temper, and to resist the attempts to propagate unscientific superstitious beliefs. Towards this end, the scientific community of India continues to press for the following demands:

1. Stop propagation of unscientific ideas, and develop scientific temper, human values and spirit of inquiry in conformity with Article 51A of the Constitution.
2. Allocate at least 10% of the Central Budget and 30% of the State budgets to Education
3. Ensure that at least 3% of the country's GDP is used to support scientific and technological research.
4. Ensure that the education system does not impart ideas that are not based on or contradict scientific evidence.
5. Ensure that public policies are enacted based on scientific evidence.

The global March for Science has expressed solidarity with the India March for Science proposed on 9 August, 2019. We urge you to join the March and even help organize it in your city or town. It is not just a march for science. It is a march to save and define the present and future of our people.

Appeal by

S Mahadevan, Professor, Molecular Reproduction, Development & Genetics, IISc Bangalore

Babu Joseph, former VC, Cochin University of Science & Technology, Kerala

S G Dani, Former Chairman, National Board of Higher Mathematics, Retired from TIFR, Mumbai

Jayanta K Bhattacharya, Former Director, Harishchandra Research Institute, Allahabad

Dhrubajyoti Mukhopadhyay, former Professor of Geology, Calcutta University and President, Breakthrough Science Society

Debashis Mukherjee, former Director, Indian Association for the Cultivation of Science, Kolkata