

# Journal of Scientific Temper

## EDITORIAL BOARD

(2016-18)

**DR B P SINGH**

Former Head, NCSTC (DST)  
New Delhi, India  
E-mail: bpratap@nic.in

**PROF. BERNARD SCHIELE**

University of Quebec  
Montreal, Canada  
E-mail: schiele.bernard@uqam.ca

**DR CARMELO POLINO**

REDES, Centro de Estudios sobre  
Ciencia, Desarrollo Education  
Superior, Buenos Aires, Argentina  
E-mail: carmelo.23@gmail.com

**DR HESTER DU PLESSIS**

Human Sciences Research Council  
(HSRC), South Africa  
E-mail: hesterdup@gmail.com

**MS CLAUDIA AGUIRRE**

Exploria, Science Museum  
Medellin, Colombia  
Directora de Educación y contenidos  
Carrera 52 # 73 - 75  
05001000 Medellín, Colombia  
E-mail: claudia.aguirre@parqueexplora.org

**DR E HARIBABU**

Professor of Sociology  
University of Hyderabad  
Hyderabad, India  
E-mail: hari\_ejna@yahoo.com

**SHRI DINESH ABROL**

Visiting Professor  
Centre for Studies in Science Policy  
JNU, New Delhi, India  
E-mail: dinesh.abrol@gmail.com

**PROF. KRISTINA PETKOVA**

Institute for the study of  
Societies and Knowledge  
13A Mpskovska str.  
Sofia 1000, Bulgaria  
E-mail: kristina.petkova@gmail.com

**PROF. REN FUJUN**

Chinese Academy of Science & Technology  
E-mail: renfujun@cast.org.cn

**PROF. FARHAT BASIR KHAN**

AJK Mass Communication  
Research Centre (MCRC)  
Jamia Millia Islamia  
New Delhi, India  
E-mail: fbkhan@gmail.com

**DR G S RAUTELA**

Former Director General  
National Council of  
Science Museums (NCSM)  
Kolkata, India  
E-mail: dgo@ncsm.gov.in

**PROF. HAK SOO KIM**

School of Communication  
410-1302, Dangsang-ro-214,  
Seoul 07214, South Korea  
E-mail: hskim@sogang.ac.kr

**PROF. DEEPAK PENTAL**

Director, Centre for Genetic  
Manipulation of Crop Plants  
University of Delhi  
South Campus  
New Delhi, India  
E-mail: dpental@gmail.com

**DR LUISA MASSARANI**

Head, Fiocruz/Museum of Life, Brazil  
Av. Oswaldo Cruz 73/901  
CEP 22250-060. Flamengo  
Rio de Janeiro RJ, Brazil  
E-mail: lumassa@coc.fiocruz.br

**DR SUBODH MAHANTI**

D-410, Crescent Apts,  
Sector-18A, Dwarka  
New Delhi, India, India  
E-mail: subodhmahanti@gmail.com

**DR S ANIL KUMAR**

Director  
Public Relations Directorate  
CUSAT, Kalamassery  
Kochi, Kerala  
E-mail: anilvadavathoor@gmail.com

<p><b>DR FABIENNE CRETТАZ VON ROTEN</b>          Obsenratoire Science Bassenges          Directrice de l'Observatoire Science,          Politique et Société, Faculté des          sciences sociales et politiques          Université de Lausanne, Bâtiment</p>	<p>Géopolis, 1015 Lausanne, Switzerland          E-mail: Fabienne.CrettazVonRoten@unil.ch</p> <p><b>DR S IRFAN HABIB</b>          2G, Vishva Appts, Sankracharya          Marg, Civil Lines, Delhi - 110054          E-mail: irfan53@yahoo.co.uk</p>
--	--

**DR MANOJ KUMAR PATAIRIYA**  
 Director, CSIR-NISCAIR

---

**Editor:** Hasan Jawaid Khan  
**Design, Layout and Formatting:** Khem Chand  
**Technical Assistance:** Ajay Sheopuri  
**Phone:** 25848702, 25846304-7 Extn.: 361, **Fax:** 091-011-25847062;  
**E-mail:** jst@niscair.res.in  
**Website:** <http://www.niscair.res.in>; <http://nopr.niscair.res.in>

---

Published by **CSIR-National Institute of Science Communication and Information Resources**, Dr K S Krishnan Marg, New Delhi - 110012

---

The **Journal of Scientific Temper** is issued quarterly. The Institute assumes no responsibility for the statements and opinions advanced by contributors. The editorial staff in the work of examining papers received for publication is assisted, in an honorary capacity, by a large number of distinguished scientists.

For contribution to the journal, contact: **Editor, Journal of Scientific Temper**, CSIR-National Institute of Science Communication And Information Resources, Dr K S Krishnan Marg, New Delhi - 110 012.

For subscription and advertisement, contact: **Senior Sales & Distribution Officer**, CSIR-National Institute of Science Communication And Information Resources, Dr K S Krishnan Marg, New Delhi - 110 012. Payments in respect of subscriptions/advertisements may be sent by cheque, bank draft, postal order marked payable to **NISCAIR, New Delhi**. Bank charges shall be borne by the subscriber. For inland outstation cheques, please add Rs 50.00 and for foreign cheques, please add US \$ 10.00.

**Annual Subscription:** Rs 1000.00US \$ 150.00\*  
**Single Copy:** Rs 300.00 US \$ 50.00 (\*inclusive of first class mail)  
**Phone:** 25843359; 25846304-7, **Fax:** 0091-011-25847062  
**E-mail:** sales@niscair.res.in **Website:** www.niscair.res.in

Complaints regarding subscription can be made at +91-011-25843359. Claims for missing numbers of the journal will be allowed only if received within 3 months of the date of issue of the journal plus the time normally required for postal delivery of the journal and the claim.

©2018 Council of Scientific & Industrial Research, New Delhi