SCIENCE AND CULTURE

JANUARY-FEBRUARY 2009/VOLUME 75/NOS. 1-2

A JOURNAL OF NATURAL AND CULTURAL SCIENCES

PUBLISHE	ED BY THE	EDITORIAL		
INDIAN SCIENCE NEWS ASSOCIATION		There's Plenty of Holes at the Bottom: The Other side of 'nano' — Suprakash Roy		1
EDITORIAL BOARD S. C. Roy Editor-in-Chief N. D. Paria Parimal Chandra Sen Associate Editors		LETTERS TO THE EDITOR		4
		ARTICLES		
		Professor S. N. Bose and My Weltanschauung — R. L. Brahmachary		5
Amalendu Bandyopadhyay Syamal Chakraborty		Ancient Nimba is the Power Plant of the 21st Century — N. D. Raghupati Rao and		
N. C. Datta		Parvathi Chary		8
Amit Krishna De Vinod Kumar Gupta Samarjit Kar		Spirulina (Arthrospira) as a Green Remedy – An Overview — S. Ganguly, P. Mitramazumder,		
Sudhend		Sasmal, G. M. Panpalia, S. Jha,		
Members of the	Editorial Board	S. G. Panpalia and R. Chandra		12
COLLABO		Biotherapy of Cancer		
S. Ao Ananta Krishnan	•	— Prasanta K. Ray	•••	18
	A. K. Hati	Endocrine Glands and Hormonal Implications		
Amiya Bagchi	S. Kailas	in Regulation of some Physiological Activities		
A. K. Barua	Abhijit Lahiri	in Crustaceans — G. K. Kulkarni		23
Biman Basu	Balaram Majumdar		•••	_
B. B. Biswas	Biswapati Mukherjee	B. C. Guha: The Doyen of Indian Biochemists and Pioneer of Vitamin C Research		
Indrani Bose	S. P. Mukherjee	— I. B. Chatterjee		29
Sankar Chakravorti	G. Prathap	, and the second		
R. N. Chatterjee	R. R. Rao	An Innovative Holistic Approach to Control Mosquitoes with Special Reference to Mosquito		
D. P. Chattopadhyay	P. K. Ray	Vectors		
J. K. Datta Gupta	Prabir Roy	— Rajni Kant		34
Dibyendu Ganguli Irfan Habib	S. P. Sengupta	Contd.	next	page.



Indian Science News Association

President

Prof. B. B. Biswas

Vice-Presidents

Professor Arabinda Kumar Das Dr. Alok Krishna Gupta Professor Sankar Kumar Pal Professor P. K. Ray Professor M. S. Swaminathan Professor S. K. Talapatra

Hony. Secretaries

Professor Naresh Chandra Datta Professor Sudhendu Mandal

Hony. Treasurer

Professor Amalendu Bandyopadhyay

Council Members

Professor (Mrs.) Julie Banerji Dr. Satyabrata Chakrabarti Shri Manas Pratim Das Dr. Satya Brata Dasgupta Dr. K. P. Dhara Dr. Dibyendu Ganguli

Dr. H. S. Maiti Dr. Sisir Kumar Majumdar

Dr. Balaram Majumder

Dr. Hemanta Kumar Majumder

Professor Biswapati Mukherjee

Professor Debasish Mukherjee

Professor Chittabrata Palit

Professor Sibaji Raha

Professor Siddhartha Ray

Dr. Amal Roy Chowdhury

Professor Jnanabrata Sil

Members of the Editorial Board are also members of the Council

RESEARCH COMMUNICATION

Coconut Perianth Mite, *Aceria guerreronis* Keifer (Prostigmata: Eriophyidae) Causing Serious Threat to Coconut Cultivation in South 24 Parganas District of West Bengal Along with New Reports of Some Other Associated Mites

—S. K. Gupta, Debjani Ganguly and Himani Biswas

... 40

Nakuleshwar: A Newly Discovered Sacred Grove from Pithoragarh District

— Priyanka Agnihotri, Tariq Husain and Harsh Singh

... 42

43

47

Effect of Different Soil Mixture Ratios and Sowing Depths on Growth Performance of *Eclipta alba* and *Phyllanthus fraternus*, Two Important Medicinal Plants of the Indian Arid Zone

— Sushama Kedia, Pawan K. Kasera and Sher Mohammed

mer monummea ...

Mycoflora Associated with Deteriorated Samples of Paper During Storage

— Shalu Mishra and N. Misra

Statu Historia III Historia III

Fish as a Nutritional Source of Long Chain Fatty Acids

— P. K. Mukhopadhyay ... 53

REPORT

Nobels in Science: 2008

Chemistry

Physics

Physiology or Medicine

Economics

— Samarjit Kar

.. 61

NOTES AND NEWS

. 74

Cover: Top-Left: If a nanoparticle was of the size of a football, a chicken would be as big as the earth. Top-Right: Nano-titanium dioxide and zinc oxide are being used in preparing sunscreen lotions with the understanding that they absorb and reflect UV light but allows to visible light to pass. New products are claimed to penetrate deeper into the skin to have more benefits. Bottom: Many fear the hazards of using such cosmetics.

Taken from www.wellcome.ac.uk/bigpicture

Members of the Advisory Committee of

Indian Science News Association

Professor Padmanabham Balaram	Bangalore
Professor D. Balasubramanian	Hyderabad
Professor B. B. Baliga	Mangalore
Professor Basudeb Barman	Kolkata
Professor A. K. Barua	Kolkata
Professor Ashok Nath Basu	Kolkata
Dr. M. K. Bhan	New Delhi
Professor Jagadish Chandra Bhattacharyya	Bangalore
Professor Samir Kumar Brahmachari	New Delhi
Professor Chandrashekhar Chakraborty	Kolkata
Dr. Purnendu Chatterjee	Kolkata
Professor Suranjan Das	Kolkata
Professor Asis Datta	New Delhi
Professor P. N. Ghosh	Kolkata
Dr. N. K. Ganguly	New Delhi
Professor S. N. Ghosh	Kolkata
Dr. H. K. Gupta	Hyderabad
Dr. K. Kasturirangan	Bangalore
Dr. R. A. Mashelkar	New Delhi
Dr. Govardhan Mehta	Bangalore
Professor M. G. K. Menon	New Delhi
Professor Yash Pal	New Delhi
Dr. T. Ramasami	New Delhi
Dr. Anuj Sinha	New Delhi
Dr. Bikash Chandra Sinha	Kolkata

SCIENCE & CULTURE ADVERTISEMENT

RATE

	Single Insertion			
	(Full Page)	(Half Page)		
COVER (Back)	Rs. 10,000/-	×		
COVER (Front Inside)	Rs. 7,000/-	×		
COVER (Back Inside)	Rs. 7,000/-	×		
OTHER PAGES	Rs. 5,000/-	Rs. 3,000/-		

N.B.: For colour or any other special types of advertisement—rates may be negotiated.

A discount of 20% for insertions in all issues in a year and of 15% for atleast three insertions will be allowed.

TO OUR READERS

Your appreciation of the journal makes us bold to suppose that some of your friends would also like to read SCIENCE & CULTURE, the premier scientific monthly of India devoted to the publication of the progress in pure and applied sciences. The Indian Science News Association has been conducting the journal for over 74 years with the editorial co-operation of eminent scientists of India with the object of promoting and diffusing knowledge laying special stress on the progress of scientific studies here and abroad, and advocating methodical application of science to problems of national regeneration.

Editorial correspondence should be sent to the Editor, *Science and Culture*, 92, Acharya Prafulla Chandra Road, Kolkata: 700 009. Manuscripts prepared in accordance with the Instruction to Contributors should be submitted in **Triplicate** and will not be returned unless accompanied with return postage.

Correspondence relating to subscription, advertisement and other matters should be addressed to the Hony. Secretary, Indian Science News Association, 92, Acharya Prafulla Chandra Road, Kolkata: 700 009, Phone: 2350-2224. E-mail: scie2224@dataone.in, Website: www.scienceandculture-isna.org

MEMBERSHIP FEE

Life Member	:	Rs.	1500.00
Ordinary Member	(without journal	Rs.	100.00
Ordinary Member	(with journal)	Rs.	400.00

ANNUAL SUBSCRIPTION

Inland (Institution)	Rs. 1000.00	
Foreign	U.S.\$ 125.00	
Inland (Individual)	Rs. 400.00	
Foreign (Individual)	US.\$ 60.00	
Single Copy (Inland)	Rs. 80.00	
Single Copy (Foreign)	\$ 20.00	

PAST SPECIAL ISSUES

(Last Three years)

- Glass and Ceramic Research in India (May-June 2005)
- Water Resources in South Asia: An Assessment of Climate Change – Associated Vulnerabilities and Coping Mechanisms (July-August 2005)
- Medical, Patenting and Environment Laws (May-June 2006)
- Unconventional Applications of Physics (March-April 2007)
- Current Trends in Leishmania Research (May-June 2007)
- Forensic Science in Criminal Justice Delivery System (November-December 2007)
- Natural Products Chemistry (January-February 2008)
- Mysteries of the Earth's Interior (May-June 2008)
- Radio Science (September-October 2008)