FLUORIDE

Quarterly Journal of The International Society for Fluoride Research Inc.

www.fluorideresearch.org

www.fluorideresearch.com

www.fluorideresearch.net

Owned & published by The International Society for Fluoride Research Incorporated © 2016. All rights reserved.

Editor-in-Chief:

i

Dr Bruce J Spittle. Dunedin, New Zealand. E-mail: spittle@es.co.nz

Regional Editor for Africa:

Professor Eli Dahi. Ngongongare, Tanzania. E-mail: elidahi@hotmail.com (Currently on leave, please send papers to another regional editor in the meantime).

Regional Editor for Eastern Europe:

Professor Dariusz Chlubek. Department of Biochemistry and Chemistry, Pomeranian Medical University, Szczecin, Poland. E-mail:dchlubek@sci.pum.edu.pl

Regional Editors for India:

For papers on all aspects of fluoride: Dr Shanti Lal Choubisa. Udaipur-313001, Rajasthan, India. E-mail: choubisasl@yahoo.com

For public health based papers: Professor Vikas K Desai. Community Medicine Department, Government Medical College (GMCS), Majura Gate, Surat, Gujarat, India – 395005. E-mail: psmvikas@hotmail.com

Regional Editor for Latin America, including Mexico, Central America, and Cuba:

Dr Alfredo Rigalli. Rosario, Argentina. E-mail: arigalli@unr.edu.ar and arigalli@conicet.gov.ar

Regional Editor for the Middle East:

Dr Amir Hossein Mahvi. Department of Environmental Health Engineering, School of Public Health and Institute for Environmental Research, Tehran University of Medical Sciences, Tehran, Iran. E-mail: ahmahvi@yahoo.com Regional Editor for Pakistan and Afghanistan:

Dr Muhammad Nauman Ahmad. Department of Agricultural Chemistry, The University of Agriculture, Peshawar, Pakistan. E-mail: drnumanahmad@aup.edu.pk

Regional Editors for People's Republic of China:

Professor Yanhui Gao. Director of the Institute for Endemic Fluoride Control, Center for Endemic Disease Control, China CDC. E-mail: goayh411@163.com

Professor Zhi-Zhong Guan. Department of Pathology and Key Lab of Endemic and Ethnic Diseases (Guizhou Medical University), Ministry Guarden Schuler (Guizhou Medical University), Ministry Guarden Schuler (Guizhou Medical University), Guiyang, PR China. E-mail: zhizhongguan@yahoo.com

Associate Editors:

Professor Emeritus Hardy Limeback. University of Toronto, Toronto, ON, Canada. Professor Emeritus Gene W Miller. Utah State University, Logan, UT, USA.

Christopher Neurath. American Environmental Health Studies Project, Lexington, MA, USA.

Associate Professor Jashwanti D Sharma. Department of Zoology, University of Rajasthan, Jaipur, India. Professor Dianjun Sun. Chinese Research Center for Endemic Disease Control, Harbin Medical University,

Harbin, China.

Professor Emeritus AK Susheela. Fluorosis Research & Rural Development Foundation, Delhi, India.

Associate Professor Masashi Tsunoda. Kitasato University School of Medicine, Sagamihara, Japan. Professor Emeritus Ming-Ho Yu. Western Washington University, Bellingham, WfA, USA.

Editorial Assistant:

Peter Meiers. Saarbrücken, Germany.

Fluoride is available as a free online open access journal at www.fluorideresearch.org and the articles can be accessed by clicking on the boxes below the titles in the online table of contents for the smallest file size and press quality PDF versions, respectively.

BOOK REVIEW EDITORIAL

373-378..... ESSENTIALS OF DENTAL CARIES, FOURTH EDITION, BY EDWINA KIDD AND OLE FEJERSKOV Bruce Spittle. Dunedin, New Zealand.

smallest file size PDF

press quality PDF

RESEARCH REPORTS

379-400..... DEVELOPMENTAL NEUROTOXICITY OF FLUORIDE: A QUANTITATIVE RISK ANALYSIS TOWARDS ESTABLISHING A SAFE DAILY DOSE OF FLUORIDE FOR

J William Hirzy, Paul Connett, Quanyong Xiang, Bruce J Spittle, David C Kennedy, Binghamton, NY, and San Diego, CA, USA; Nanjing, Peoples Republic of China; and Dunedin, New Zealand.

smallest file size PDF

press quality PDF

401-416..... AFRICA'S U-TURN IN DEFLUORIDATION POLICY: FROM THE NALGONDA TECHNIQUE TO BONE CHAR Eli Dahi. Ngongogare, Tanzania.

smallest file size PDF

press quality PDF

417-428...... THE EFFECTS OF FLUORIDE ON THE BONES AND TEETH FROM ICR-DERIVED GLOMERULONEPHRITIS (ICGN) MICE AND ICR MICE AFTER SUBACUTE EXPOSURE Mayuko Hosokawa, Chièmi Sugaya, Masashi Tsunoda, Yukio Kodama, Yoshiko Sugita-Konishi, Hisayoshi Ohta, Kazuhito Yokoyama. Tokyo, Japan.

smallest file size PDF

press quality PDF

429-440..... ISOLATION AND CHARACTERIZATION OF FLUORIDE RESISTANT BACTERIAL STRAINS FROM FLUORIDE ENDEMIC AREAS OF WEST BENGAL, INDIA: ASSESSMENT OF THEIR FLUORIDE ABSORPTION EFFICIENCY Goutam Banerjee, Archya Sengupta, Tathagato Roy, Prajna Paramita Banerjee, Ansuman Chattopadhyay, Arun Kumar Ray. West Bengal, India.

smallest file size PDF

press quality PDF

441-448..... EFFECTS OF FLUORIDE POLLUTION ON MEDICAGO SATIVA L. Mehrana Jafari, Mitra Noori, Behrooz Eshghi Malayeri. Arak and Hamedan, Iran.

smallest file size PDF

press quality PDF

449-457..... CORRELATION ANALYSIS OF URINARY FLUORIDE LEVELS AND THE DAILY INTAKE OF FLUORIDE IN BRICK TEA TYPE FLUOROSIS AREAS Wu Jun-hua, Qin Ming, Li Dan-dan, Yang Dan, Li Bing-yun, Liu Xiao-na, Li Mang, Li Yuan-yuan, Zhang Wei, Gao Yan-hui. Harbin and Hefei, People's Republic of China.

smallest file size PDF

press quality PDF

458-466..... FLUORIDE-CONTAINING ANTI-CARIES PH-SENSITIVE RELEASE SYSTEM AND ITS **EFFECT ON STREPTOCOCCUS MUTANS** Gunseli Guven Polat, Ozlem Marti Akgun, Berksan Simsek, Mehmet Ali Saracli, Senem Heper, Vasif Hasirci. Ankara and Istanbul, Turkey.

smallest file size PDF

press quality PDF

INSTRUCTIONS FOR AUTHORS, GENERAL INFORMATION ABOUT FLUORIDE AND THE INTERNATIONAL SOCIETY FOR FLUORIDE RESEARCH

Instructions for authors and general information about Fluoride and the International Society of Fluoride Research (ISFR) are available in Fluoride 2016;49(1):iii-vi and at www.fluorideresearch.org. A report on the XXXIIIrd Conference at Hyderabad, India, Nov 10–11, 2016, will appear in Fluoride 2016;49(4 Pt 2). Recent changes in the ISFR are:

President: Dr Arjun Khandare. National Institute of Nutrition, Hyderabad, India.

First Vice President: Professor Zhi-Zhong Guan. Department of Pathology and Key Lab of Endemic and Ethnic Diseases (Guizhou Medical University), Ministry of Eduction, Guiyang Medical University, Guiyang, PR China.

Second Vice President: Dr Amir Hossein Mahvi. Department of Environmental Health Engineering, School of Public Health and Institute for Environmental Research, Tehran University of Medical Sciences, Tehran, Iran.

New Editorial Board Member: Dr Muhammad Sohail Zafar. College of Dentistry, Taibah University, Al Madina Al Munawara, Saudi Arabia.