FLUORIDE

Quarterly Journal of The International Society for Fluoride Research Inc.

www.fluorideresearch.online

Owned & published by The International Society for Fluoride Research Incorporated © 2020. All rights reserved.

Editor-in-Chief:

Dr Bruce J Spittle. Dunedin, New Zealand. E-mail: spittle727@gmail.com

Regional Editor for Africa:

Professor Eli Dahi. Denmark (previously Ngongongare, Tanzania). E-mail: elidahi@hotmail.com

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, Bangladesh, Bhutan, Maldives, Myanmar, Nepal, and Sri Lanka:
For papers on all aspects of fluoride: Dr Shanti Lal Choubisa. Emeritus Professor of Biotechnology, Department of Advanced Science & Technology, Nims University Rajasthan, Jaipur-303121, 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, People's Republic of 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 of Education, Guiyang Medical University, Guiyang, People's Republic of China.

E-mail: 1457658298@qq.com

Associate Editors:

Professor Emeritus Hardy Limeback. University of Toronto, Toronto, ON, Canada.

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, People's Republic of China.

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

Prof. Masashi Tsunoda. Dept. of Preventive Medicine and Public Health, National Defense Medical College, Japan.

Editorial Assistant:
Peter Meiers. Saarbrücken, Germany.

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

CONFERENCE INFORMATION

XXXVTH CONFERENCE OF THE INTERNATIONAL SOCIETY FOR FLUORIDE RESEARCH, NOVEMBER 8-9, 2020, TEHRAN, IRAN

smallest file size PDF press quality PDF

RESEARCH REPORTS

292-301......YOUTUBE AS A SOURCE OF INFORMATION ON FLUORIDE THERAPY

Edibe Egil, Gülay Altan Şallı. Istanbul, Turkey.

press quality PDF Epub ahead of print (press quality) PDF

302-311..... NIGELLA SATIVA (KALONJI) SEED OIL AMELIORATES THE PANCREATOXIC EFFECTS OF BIFENTHRIN IN MICE

Mehwish Nasir, Sadia Suleman, Afshan Mumtaz, Syeda Nadia Ahmad, Iram Inayat,

Asma Younis, Saira Saddique, Basharat Ali Saleem, Kausar Raees, Muhammad Ali Kanwal, Khadim Muhammad Dawar, Khawaja Raees Ahmad. Sargodha and Peshawar, Pakistan.

smallest file size PDF press quality PDF Epub ahead of print (press quality) PDF

312-334...... THE EFFECT OF LEAF POSITION ON THE PHYSIOLOGICAL RESPONSES IN POPLAR LEAVES (CLONE S7C15) IRRIGATED WITH FLUORIDE-LADEN WATER Krishan K Verma, Munna Singh, Chhedi Lal Verma. Lucknow, India.

smallest file size PDF press quality PDF Epub ahead of print (press quality) PDF

335–355..... AMELIORATIVE EFFECTS OF SALICYLIC ACID ON DRY BIOMASS AND GROWTH OF PISUM SATIVUM L. UNDER SODIUM FLUORIDE STRESS Shakil Ahmed, Maryam Karamat, Azeem Haider, Fareeha Jabeen, M Nauman Ahmad,

Madeeha Ansari, Asma Zulfiqar, Abudllah Jalal, Aleena Nizam.

Lahore and Peshawar, Pakistan.

smallest file size PDF press quality PDF Epub ahead of print (press quality) PDF ii

356–386......SPATIAL DISTRIBUTION OF ARSENIC, BORON, FLUORIDE, AND LEAD IN SURFACE AND GROUNDWATER IN ARUMERU DISTRICT, NORTHERN TANZANIA Jovine Malago, Edikafubeni Makoba, Alfred NN Muzuka.

Morogoro, Morogoro region, and Arumeru district, Arusha region, Tanzania.

smallest file size PDF press quality PDF Epub ahead of print (press quality) PDF

XXXVTH ISFR CONFERENCE, TEHRAN, IRAN, NOVEMBER 8-9, 2020

The 35th conference of the International Society for Fluoride Research will be hosted by Dr Amir Hossein Mahvi, Department of Environmental Health Engineering, School of Public Health and Institute for Environmental Research, Tehran University of Medical Sciences, in Tehran, Iran, on November 8–9, 2020. Despite the current problems with Covid-19 in Iran, it is anticipated that these will be largely settled by September and allow the Conference to still be held as planned. The officers for Conference are: Co-Presidents: Dr. Naddafi, Head of the Institute for Environmental Research, Tehran University of Medical Sciences and Dr. Akbari Sari, Head of the School of Public Health, Tehran University of Medical Sciences; Head of the Scientific Office: Dr Amir Hossein Mahvi. E-mail for Dr Mahvi: ahmahvi@yahoo.com.

Correction: I apologize for the error in the dates given for the Conference on page ii of the Table of Contents in Fluoride 53(1 Pt 1) and Fluoride 53(1 Pt 2). The correct dates for the Conference, as shown on page i of Table of Contents of the two issues and in the posters on pages 1 and 99, are November 8–9, 2020.

Bruce Spittle, Editor-in-Chief, Fluoride