FLUORIDE

Quarterly Journal of The International Society for Fluoride Research Inc.

www.fluorideresearch.online

Owned & published by The International Society for Fluoride Research Incorporated © 2021. 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@pum.edu.pl

Regional Editors for India, Bangladesh, Bhutan, Indonesia, 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.

EDITORIAL

1-4..... THE SAFE EXPOSURE LEVEL TO FLUORIDE IN PREGNANCY Bruce Spittle. Dunedin, New Zealand.

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

RESEARCH REPORTS

5-14..... EFFECT OF GLUTATHIONE INCORPORATION ON THE BIOCHEMICAL PROPERTIES OF SILVER DIAMINE FLUORIDE

M Asghar, RA Omar, R Yahya, AU Yap, ZA Ali, KY Chua, AD Azzaharic.

Kuala Lumpur, Malaysia, Rawalpindi, Pakistan, and Singapore.

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

15-26....... FLUORIDATED AND NON-FLUORIDATED PEDIATRIC TOOTHPASTES, AVAILABLE OVER-THE-COUNTER, IN PAKISTAN AND SAUDI ARABIA: AN OBSERVATIONAL STUDY

Rizwan Ullah, Hani M Ghabbani, Rayan H Bahabri, Muhammad Sohail Zafar. Karachi and Islamabad, Pakistan, and Al Madinah Al-Munawarah, Saudi Arabia.

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

27–36....... ASSESSMENT OF THE EFFECTS OF SALICYLIC ACID ON THE YIELD AND THE YIELD CHARACTERISTICS OF *PISUM SATIVUM* L. UNDER FLUORIDE STRESS Shakil Ahmed, Maryam Karamat, Azeem Haider, M Nauman Ahmad, Fareeha Jabeen, Madeeha Ansari. Lahore and Peshawar, Pakistan.

smallest file size PDF press quality PDF Epub ahead of print (press quality) PDF Lahore, Pakistan.

ii

37-42....... FLUORIDE CONCENTRATIONS IN TABLE SALTS SOLD IN SUPERMARKETS OF BOGOTÁ, COLOMBIA

Liliana Carolina Báez-Quintero, Alberto Carlos Botazzo Delbem,

John Harold Estrada-Montoya, Mariana Emi Nagata, Juliano Pelim Pessan. Araçatuba, Brazil, and Bogotá, Colombia.

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

43-57..... EFFECTS OF PHYSICAL EXERCISE ON FLUORIDE-INDUCED OXIDATIVE STRESS IN THE LIVER OF MICE

Yanghuan Yu, Ruiyan Niu, Rui Li, Jixiang Wang, Qiqi Cao, Zilong Sun. Taigu, Shanxi, People's Republic of China.

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

58-76....... DISTRIBUTION AND HEALTH RISK ASSESSMENT OF FLUOROSIS IN UNDERNOURISHED PRIMARY SCHOOL CHILDREN IN PAKISTAN

Jamil Ahmed, Li Ping Wong, Yan Piaw Chua, Najeebullah Channa, Aneela Yasmin,

Muhammad Rizwan, Naveed Ahmed, James A VanDerslice. Kuala Lumpur, Malaysia, Jamshoro, Pakistan, and Salt Lake City, USA.

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

77-89....... ALLEVIATIVE EFFECTS OF EXOGENOUS SALICYLIC ACID ON SOME ANTIOXIDATIVE ENZYMES OF *PISUM SATIVUM* L. UNDER SODIUM FLUORIDE STRESS Shakil Ahmed, Maryam Karamat, Azeem Haider, M Nauman Ahmad, Fareeha Jabeen, Madeeha Ansari, Sundas Babar, Asma Zulfigar, Anwar Ali Shad, Saleemullah.

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

90-96....... SODIUM FLUORIDE INDUCES OXIDATIVE STRESS IN ORAL BACTERIA BY ALTERING GLUTATHIONE (GSH) AND GLUTATHIONE S-TRANSFERASE (GST) ACTIVITY Ramesa Shafi Bhat, Dina A Soliman, Sooad Al-Daihan. Riyadh, Kingdom of Saudi Arabia.

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