

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:

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

Regional Editor for Africa:

Professor Eli Dahi. Denmark (previously Ngongongare, Tanzania). E-mail: elidahi@hotmail.com (Professor Dahi, now residing in Denmark, has returned from his recent leave and is able to receive again papers from Africa).

Regional Editor for Eastern Europe:

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

Regional Editors for India:

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: dnumanahmad@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: 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, People's Republic of China.

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

Associate Professor Masashi Tsunoda. Kitasato University School of Medicine, Sagami-hara, Japan.

Professor Emeritus Ming-Ho Yu. Western Washington University, Bellingham, WA, 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.

CONFERENCE REPORT

467–470..... REPORT ON THE XXXIIIRD CONFERENCE OF THE INTERNATIONAL SOCIETY FOR FLUORIDE RESEARCH, *DEBILITATING FLUOROSIS: CURRENT STATUS, HEALTH CHALLENGES, AND MITIGATION MEASURES*, HYDERABAD, INDIA, NOVEMBER 9–11, 2016

Arjun L Khandare. Hyderabad, India.

[smallest file size PDF](#)

[press quality PDF](#)

EDITORIAL

471..... FLUORIDE IN HUMAN BREAST MILK
Bruce Spittle. Dunedin, New Zealand.

[smallest file size PDF](#)

[press quality PDF](#)

RESEARCH REPORTS

- 472–484..... ASSOCIATION BETWEEN HIGH PINEAL FLUORIDE CONTENT AND PINEAL CALCIFICATION IN A LOW FLUORIDE AREA
Trai Tharnpanich, Jeffrey Johns, Suphat Subongkot, Nutjaree Pratheepawanit Johns, Amnat Kitkhuandee, Yanyong Toomsan, Somkiat Luengpailin.
Khon Kaen, Thailand.
- [smallest file size PDF](#) [press quality PDF](#)
- 485–494..... FLUORIDE LEVEL IN THE BREAST MILK IN KOOHBANAN, A CITY WITH ENDEMIC DENTAL FLUOROSIS
Hamidreza Poureslami, Payam Khazaeli, Amir Hossein Mahvi, Katayoun Poureslami, Parnian Poureslami, Jahangir Haghani, Mina Aghaei. Kerman, Tehran, and Mashhad, Iran.
- [smallest file size PDF](#) [press quality PDF](#)
- 495–502..... INVESTIGATION OF THE FLUORIDE CONTENT OF EDIBLE SALT AND THE FLUORIDE INTAKE FROM EDIBLE SALT CONSUMPTION IN IRAN
Fateme Yousefian, Sara Sadat Hosseini, Amir Hossein Mahvi. Tehran, Iran.
- [smallest file size PDF](#) [press quality PDF](#)
- 503–508..... OSTEO-DENTAL FLUOROSIS IN CATTLE REARED IN VILLAGES ON THE PERIPHERY OF THE ALUMINIUM SMELTER IN ODISHA, INDIA
Chandan Kumar Jena, Amit Raj Gupta, Ramesh Chandra Patra. Bhubaneswar, India.
- [smallest file size PDF](#) [press quality PDF](#)
- 509–520..... DENTAL FLUOROSIS IN TWO COMMUNITIES IN KHARTOUM STATE, SUDAN, WITH POTABLE WATER FLUORIDE LEVELS OF 1.36 AND 0.45 MG/L
AM Ramadan, IA Ghandour. Khartoum, Sudan.
- [smallest file size PDF](#) [press quality PDF](#)
- 521–537..... EFFECTS OF SODIUM FLUORIDE ON THE APOPTOSIS AND THE DEVELOPMENT OF PREIMPLANTATION BOVINE EMBRYOS
Yonggang Sun, Jingtao Xu, Liping Zhang, Ruizhe Li, Yincang Han, Zhijie Ma, Peng Wei, Shengmei Chen. Lanzhou and Xining, People's Republic of China.
- [smallest file size PDF](#) [press quality PDF](#)
- 538–548..... EFFECT OF ER:YAG LASER ON SODIUM FLUORIDE VARNISH UPTAKE BY PRIMARY TOOTH ENAMEL: AN *IN-VITRO* STUDY
Fateme Jahanimoghadam, Hamidreza Poureslami, Hoda Shamsaddin, Azadeh Horri, Payan Khazaeli, Amir Hossein Mahvi. Kerman and Tehran, Iran.
- [smallest file size PDF](#) [press quality PDF](#)
- 549–559..... REGENERATION OF FLUORIDE-SATURATED BONE CHAR BY MEANS OF WOOD ASH AND HEAT
King Lukiko, Revocatus L Machunda, Jasper N Ijumba. Arusha, Tanzania.
- [smallest file size PDF](#) [press quality PDF](#)

INDEXES

- 560–561..... 2017 AUTHOR INDEX [smallest file size PDF](#) [press quality PDF](#)
- 561–562..... 2017 SUBJECT INDEX