CONTENTS

SCIENTIFIC PAPERS

1 Neurocognitive, Mental Health, and Glucose Disorders in Farmers Exposed to Organophosphate Pesticides
ALI AKBAR MALEKIRAD, MAHYA FAGHIH, MANSOOREH MIRABDOLLAHI, MAHDI KIANY, AREZOO FATHI, AND MOHAMMAD ABDOLLAHI

9 A Prevalence Study on Outdoor Air Pollution and Respiratory Diseases in Children in Zasavje, Slovenia, as a Lever to Trigger Evidence-Based Environmental Health Activities
ANDREJA KUKEC, JERNEJA FARKAS, IVAN ERZEN, AND LIDJANA ZALETEL-KRAGELJ

23 Exposure to Urban Air Pollution and Bone Health in Clinically Healthy Six-Year-Old-Children
LILIAN CALDERON-GARCIDUENAS, ANTONIETA MORTISCAREÑO, MARICELA FRANCO-LIRA, RICARDO TORRES-JARDÓN, BERNARDO PEÑA-CRUZ, CAROLINA PALACIOS-LOPEZ, HONGTU ZHU, LINGLONG KONG, NICOLAS MENDOZA-MENDOZA, HORTENCIA MONTESINOS-CORREA, LINA ROMERO, GILDARDO VALENCIA-SALAZAR, MICHAEL KAVANAUGH, AND SILVESTRE FRENK

35 Effects of Smoking during Pregnancy on DNA Damage and ROS Level Consequences in Maternal and Newborns’ Blood
UMIT AYDOGAN, EMRE DURMAZ, CIHANGIR MUTLU ERCAN, AVSE ERKEN, ONER KENAN ULUTAS, SERKAN KAVUK, ORHAN GURSEL, IBRAHIM ALANBAY, CEMAL AKAY, AHMET EMIN KUREKCI, AHMET AYDIN, AHMET SAYAL, KENAN SAGLAM, AND ISMET COK

47 Biological Significance of the Over-Expression of HSP70 and Alpha B-Crystallin in Rat Substantia nigra Exposed to Different Doses of Permethrin
DILEK GUVENC, YONCA BETIL KABAK, EINES ATMACA, ABDURRAHMAN AKSOY, AND TOLGA GUVENC

57 Biochemical and Histological Changes in Rat Liver Caused by Cypermethrin and Beta-Cyfluthrin
BRIJENDER BHUSHAN, PRABIH N. SAXENA, AND NISHI SAKENA

69 Effects of Acute Manganese Neurotoxicity in Young Chicks
MUNA H.I. AL-ZUBAIDY AND FOUAD K. MOHAMMAD

77 Ebselen Analouges Reduce 2-Chloroethyl Ethyl Sulphide Toxicity in A-431 Cells
MARIA A. PINO, MAGDALENA PIETKA-OTTUK, AND BLASE BILLACK

87 Effect of Glutathione Depletion on Nrf2 / ARE Activation by Deltamethrin in PC 12 Cells
HUANGYUAN LI, SIYING WU, JUNNIAN CHEN, BO WANG, AND NIAN SHI

SHORT COMMUNICATIONS

99 Changes in Basal Body Temperature and Simple Reaction Times during the Menstrual Cycle
NATAŠA ŠMIĆ AND ARIJANA RAVLIĆ

107 The Influence of Tobacco Blend Composition on Carbon Monoxide Formation in Mainstream Cigarette Smoke
NERMINA DIJULANČIĆ, VESNA RADOIČIĆ, AND MARIJA SRBINOVIKA
MAGDALENA SIKORA, MARINA VALJK, ZDENKA ŠUŠIĆ, VERA SANTO, AND DARKO BRĐARIĆ

MORTEZAVI MEHRIZI MORTEZA, KAKOOI HOSSEIN, MATIN AMIRHOSSEIN, HASHEMINEGAD NASER, HALVAN GHOLAMHOSSEIN, AND FALLAH HOSSEIN

ALI KARIMI, MEHDI JAHANGIRI, FOROUGH ZARE DEHSII, AND MOHAMMAD AMIN NOUROZI

MAHMOUD MOHAMMADYAN, MOHAMMAD ROKNI, AND RAZIEH YOSEFINEJAD

ZDENKO GAJIC, SMILJANA RAČEVIĆ, PREDLARG DURIĆ, SVETLANA ILIĆ, AND TIHOMIR DUGANDZIJA

ANDON CHIBISHEV, ALEKSANDAR SIKOLE, ZANINA PERESKA, VESNA CHIBISHEVA, NATASA SIMONOVSKA, AND NIKOLA OROVCHANEC

DEJAN KRSTIĆ, DARKO ZIGAR, DEJAN PETKOVIC, DUŠAN SOKOLOVIĆ, BORIS DINDIC, NENAD CVETKOVIC, JOVICA JOVANOVIC, AND NATASA DINDIC

SARA MOSTAFALOU AND MOHAMMAD ABDOLLAHI

VEDA MARIJA VARNAI, ŽELIKA BABIĆ, RAJKA TURK

PROFESSIONAL PAPERS

115 Tree Pollen Spectra and Pollen Allergy Risk in the Osijek-Baranja County

123 Designing, Construction, Assessment, and Efficiency of Local Exhaust Ventilation in Controlling Crystalline Silica Dust and Particles, and Formaldehyde in a Foundry Industry Plant

133 Revising Organic Vapour Respirator Cartridge Change Schedule: A Case Study of a Paint Plant in Iran

139 Occupational Exposure to Respirable Crystalline Silica in the Iranian Mazandaran Province Industry Workers

145 Knowledge and Attitudes of Health Care Workers from the Primary Health Centre in Indija, Serbia on Professional Exposures to Blood-Borne Infections

153 Severe Renal Function Impairment in Adult Patients Acutely Poisoned with Concentrated Acetic Acid

159 Predicting the Biological Effects of Mobile Phone Radiation: Absorbed Energy Linked to the MRI-Obtained Structure

REVIEW

169 Antioxidants in Organophosphorus Compounds Poisoning

LETTER TO THE EDITOR

179 Environmental Pollution by Mercury and Related Health Concerns: Renotice of a Silent Threat

TECHNICAL PAPER


ADDENDUM

A1 Acknowledgement to Referees (in English)
A4 In memoriam (in Croatian and English)
A6 Announcements (in Croatian)
A8 Report (in Croatian)
A10 Instructions to Authors (in Croatian and English)