



Scripta Scientifica Pharmaceutica

volume 6, 2019, supplement 1

ISSN 2367-6000 (print)
ISSN 2367-5500 (online)



Scripta Scientifica Pharmaceutica

An official publication of Medical University "Prof. Dr. Paraskev Stoyanov" of Varna

Editor-in-Chief:

Diana Ivanova

Dean, Faculty of Pharmacy, Medical University of Varna

Co-Editors-in-Chief:

Svetlana Georgieva

Department of Pharmaceutical Sciences and Pharmaceutical Management, Medical University of Varna

Editorial Board:

Adriana Trapani

Aldo Moro University - Bari, Italy

Alexander Zlatkov

Medical University of Sofia, Bulgaria

Bistra Kalcheva

Medical University of Varna, Bulgaria

Carlo Franchini

Aldo Moro University of Bari, Italy

Carlos L. Cespedes Acuna

University of Bio Bio, Chile

Danka Obreshkova

Medical University of Sofia, Bulgaria

Evgeni Grigorov

Medical University of Varna, Bulgaria

Ilko Getov

Medical University of Sofia, Bulgaria

Kaloyan Georgiev

Medical University of Varna, Bulgaria

Kristina Mladenovska

St. St. Cyril and Methodius University - Skopje,
North Macedonia

Marieta Georgieva

Medical University of Varna, Bulgaria

Milen Georgiev

Bulgarian Academy of Sciences, Bulgaria

Mona Stancheva-Stoyanova

Medical University of Varna, Bulgaria

Ola Ghaleb Ahmed Al Ahdab Albannay

Sharjah University, United Arab Emirates

Philip J. Wiffen

Churchill Hospital - Oxford, United Kingdom

Robert Gaspar

University of Szeged, Hungary

Roberto Frontini

University Hospital of Leipzig, Germany

Stefan Nikolov

Bulgaria

Stefka Ivanova

Bulgaria

Süreyya Ölgün

University of Ankara, Turkey

Ticuta Negreanu-Pirjol

Ovidius University of Constanta, Romania

Victoriya Georgiyants

National University of Pharmacy - Kharkov,
Ukraine

Yana Koleva

Prof. Assen Zlatarov University – Bourgas, Bulgaria

Design and Layout Editing:

Emilia Yordanova

Publishing Department,
Medical University of Varna

Proofreading:

Yordanka Peteva

Publishing Department,
Medical University of Varna

Web Design and Development:

Ognyan Antov

Publishing Department,
Medical University of Varna



**Sixth Pharmaceutical Business Forum
and
Scientific and Practical Conference**

**“Pharmaceutical education –
knowledge transfer to practice”**

BOOK OF ABSTRACTS

**Varna, Bulgaria
October 25-27, 2019**

Scientific Committee:

Diana Ivanova - Medical University of Varna
Krastena Nikolova - Medical University of Varna
Dobri Ivanov - Medical University of Varna
Petko Marinov - Medical University of Varna
Milka Nashar - Medical University of Varna
Velichka Andonova - Medical University of Varna
Svetlana Georgieva - Medical University of Varna
Anna Todorova - Medical University of Varna
Stanislava Georgieva - Medical University of Varna
Iliya Zhelev - Medical University of Varna
Iliyan Kolev - Medical University of Varna

Organizing Committee:

Diana Ivanova - Medical University of Varna
Ilko Getov - Bulgarian Pharmaceutical Union
Jivka Dobрева - Bulgarian Pharmaceutical Union
Milka Nashar - Medical University of Varna
Velichka Andonova - Medical University of Varna
Svetlana Georgieva - Medical University of Varna
Galina Petrova - Medical University of Varna
Stela Dragomanova - Medical University of Varna
Bogdan Roussev - Medical University of Varna
Stefan Stefanov - Medical University of Varna
Galina Dimova - Medical University of Varna
Ivo Kumanov - Medical University of Varna
Miglena Koleva-Stoeva - Medical University of Varna
Viktoria Yankova - Medical University of Varna

CONTENTS

Vanessa Slavcheva, Emilia Ilieva, Detelina Ilieva - CFTR MODULATOR THERAPIES	9
Yana Koleva, Svetlana Georgieva - PREDICTING BEXAROTENE MICROBIAL METABOLISM	10
Yana Koleva, Svetlana Georgieva - ESTIMATING MICROBIAL METABOLISM OF NEWLY SYNTHESIZED DERIVATIVES OF BEXAROTENE	11
Daniel Argilashki, Bozhidarka Hadzhieva, Anna Mihaylova, Nina Koleva - PARENTS' AWARENESS OF CHOOSING IMMUNOSTIMULATORY PRODUCTS FOR CHILDREN	12
Milena Viliyanova, Ersin Ismail, Silvia Gancheva - THERAPEUTIC EFFECTS OF LACTOBACILLUS BULGARICUS	13
Krassimira Zaykova, Assena Stoimenova - INTRODUCTION TO EUROPEAN CODE AGAINST CANCER	14
Nadya Hadzhieva, Stanila Stoeva, Iliyan Kolev - SYNTHESIS AND STRUCTURE CHARACTERIZATION OF NEW IODO-FUNCTIONALIZED 5'-DEOXY-5'-FLUOROCYTIDINE ANALOGUES	15
Stanimira Zasheva, Presian Bonev, Viliana Gugleva, Velichka Andonova - AEROSOL VACCINATION METHOD – APPLICATION AND THERAPEUTIC SIGNIFICANCE	16
Angelika Georgieva, Stanislava K. Georgieva, Zlatina Peteva, Dilyana Dimova - TOXIC AND MINERAL ELEMENTS IN SELECTED HERBS FROM VARNA REGION, BULGARIA	17
Stanila Stoeva, Iliyan Kolev, Ivan Iliev, Petko Marinov - DEVELOPMENT OF AN ANALYTICAL PROCEDURE FOR QUALITATIVE AND QUANTITATIVE DETERMINATION OF CAPECITABINE IN PLASMA	18
Petya Boycheva, Jenny Cherneva, Dobri Ivanov - MEDICINAL PLANTS USED AS A BEVERAGE COLORANT BY THE LOCAL POPULATION ALONG THE NORTHERN BLACK SEA COAST	19
Jivko Kolev, Evgeni Grigorov, Galina Petrova, Todorka Kostadinova - REVIEW OF THE STRENGTHS OF NEW GENERIC MEDICINAL PRODUCT APPEARANCE AT THE MARKET	20
Oganes Vardanyan, Evgeni Grigorov - INNOVATIVE MEDICAL DEVICE CONCEPT AND DESIGN FOR IMPROVED PERCUTANEOUS PENETRATION OF MEDICINAL PRODUCTS	21
Paola Petkova, Bogdan Kirilov, Evgeni Grigorov - THE PATIENT INFORMATION LEAFLET AS PART OF THE RATIONAL USE OF DRUGS	22
Ivan Uzunov, Valentina Belcheva, Evgeni Grigorov - MODERN METHODS FOR THE IDENTIFICATION OF NARCOTIC SUBSTANCES WITH MEDICAL DEVICES	23
Rostislav Atanasov, Tsvetelina Stefanova, Bogdan Kirilov, Evgeni Grigorov - STUDY OF THE STANDARD TERMS LIST USE AND ROLE IN EUROPEAN PHARMACOPEIA	24
Desislava Boyanova, Stamen Bankovsky, Evgeni Grigorov - PROSTATE CARCINOMA - NEW PHARMACOTHERAPY OPPORTUNITIES	25
Dessislava Valcheva, Elen Aleksova, Viktor Tenev, Anton Valev, Barash Murad - NONSPECIALISTS' METHODS OF CHOICE FOR AT-HOME PREPARATION OF SEMI-PREPARED MEDICINAL ORAL SUSPENSIONS AND SOLUTIONS	26
Barash Murad, Debora Sabotinova, Kaloyan Mihalev, Presian Bonev, Anton Valev - NEW SURVEILLANCES ON IVERMECTIN'S EFFICIENCY	27
Velislav Kotevski, Maria Kaykieva, Krassimira Zaykova, Djeni Cherneva - ANTINOCICEPTIVE ACTIVITY OF VANDA TESSELLATA ROXB	28

Tsvetelina Stefanova, Evgeni Grigorov - THE DUALISM OF RADIOPHARMACEUTICALS IN THEIR REGULATORY FRAMEWORK IN BULGARIA _____	29
Stefka Minkova, Krastena Nikolova, Tinko Eftimov - UNIVERSAL WINE MODELING USING APPLIED PHOTONICS METHODS _____	30
Boryana Mihaylova, Svetlana Georgieva, Nadya Agova, Alexander Zlatkov - INSTRUMENTAL METHODS FOR THE ANALYSIS OF THE HYDRAZONE DERIVATIVE OF BEXAROTENE _____	31
Yoana Sotirova, Mirena Dobрева, Velichka Andonova, Stella Schekerdjiiska, Nikolay Georgiev, Rahamin Schekerdjiiski - ENTENAR PLUS: STEP-BY-STEP DEVELOPMENT OF A FOOD SUPPLEMENT FROM SCIENTIFIC LAB TO PATIENTS _____	32
Mariya Ivanova, Anna Todorova, Ivo Kumanov - STRATEGIES FOR COPING WITH OCCUPATIONAL BURNOUT AMONG PHARMACISTS _____	33
Viktoria Yankova, Sezgin Alkov, Sylvia Stamova, Svetlana Georgieva, Maya Georgieva - DETERMINATION OF METRONIDAZOLE IN TABLET DOSAGE FORMS _____	34
Antonia Andonova, Ivo Kumanov, Iskra Mircheva - THE CHALLENGE IN COUNSELING PATIENTS WITH OSTEOARTHRITIS _____	35
Gabriela Tomova, Margarita Mihaylova, Iliana Lazarova, Mehmed Reyžov - ALTERNATIVES TO OPIOIDS FOR CHRONIC PAIN MANAGEMENT _____	36
Kalina Tzaneva, Elis Nasuf, Djeni Cherneva - FUNGOTHERAPY – THE LINK BETWEEN ALLOPATHIC AND HERBAL MEDICINE _____	37
Ersin Ismail, Milena Georgieva, Veronika Gadzhovska, Diana Radkova - CHLORAMPHENICOL – IS IT WORTH IT NOT TO USE IT? _____	38
Ivanina Dzhermova, Sevgi Yusein, Antoaneta Tsvetkova, Silvia Mihaylova - ANTIBIOTIC RESISTANCE. MODERN PROBLEMS _____	39
Tanya Dimova, Margarita Apostolova - BIOCOMPATIBILITY AND CYTOTOXICITY OF SILICA-BASED BONE SUBSTITUTE MATERIALS _____	40
Nikolay Adamov, Stefan Avramov, Svetlin Ivanov, Teodor Boyanov, Anton Valev - SIMPLIFIED SAMPLE PREPARATION OF NITROFURANTOIN ORAL SUSPENSION FOR HPLC ANALYSIS _____	41
Emanuil Manasiev, Evgeni Grigorov - STRESS AT WORK AND THE RELATION WITH PUBLIC HEALTH ____	42
Stanislava A. Georgieva, Petko Marinov - TOXICOLOGIC OVERVIEW OF GARDEN PLANTS _____	43
Maria Koleva - BENEFITS AND APPLICATIONS OF CBD OIL _____	44
Maria Koleva - THE ACCESSIBILITY TO MEDICAL PRODUCTS OF PATIENTS WITH MULTIPLE SCLEROSIS AND THE MODIFICATION IN THE COURSE OF THE DISEASE _____	45
Galina Petrova, Bogdan Kirilov, Evgeni Grigorov, Anna Todorova - MEDICATION USE REVIEW AS AN ESSENCIAL BACKGROUND FOR PHARMACOVIGILANCE _____	46
Vladimir Damyanov, Plamena Petrova, Jivko Kolev, Evgeni Grigorov - APPROACHES IN THE TREATMENT OF SOCIALLY SIGNIFICANT DISEASES OF THE CENTRAL NERVOUS SYSTEM _____	47
Plamen Bekyarov, Boryana Mihaylova, Nadya Agova, Desislava Aleksandrova, Momchil Lambev - 3D PRINTING IN PHARMACY _____	48
GUIDELINES FOR AUTHORS _____	49