



BMC Scientific Research Conference 2023

HEALTH AND ENVIRONMENT: **CHALLENGES AND SOLUTIONS**

21st of March 2023



تعليم طبي
وأسلوب
حياة!

**MEDICAL
EDUCATION
AND LIFESTYLE!**

SHEIKH ABDULJALIL AUDITORIUM



TIMETABLE

Time		
9:00 to 9.40		Registration
9.40 to 9.50	Dr. Ikhlas Sindi Vice Dean of Students Affairs	Opening Remarks

SESSION 1:

CHAIRS: DR. AHMED E. ALTYAR & DR. DR. WAFAA AL-JOHANI
MODERATOR: DR. NOUF ALSHREIF

Time	Speaker	Title	Theme
9:50-10:20	Prof Dr. Peter R. Dodd, University of Queensland, Australia (Online Talk)	Defective Signaling Between Brain Cells in Alzheimer's Disease	Health Sustainability
10:20-10:40	Prof. Marina Piscopo, University of Naples Federico II (Online Talk)	Environmental pollution and male infertility: the contribution of molecular biology to highlight alterations beyond the spermogram	Environmental Sustainability
10:40-11:00	Prof. Alfreda Stadlin, Ajman University	Addiction: A complex, chronic and relapsing psychiatric disorder	Health Sustainability
11:00-11:20	Prof. Abdelsattar M. Omar, King Abdulaziz University	The Evolution of Hemoglobin Modifiers from Academic Research to Preclinical Candidates	Health Sustainability
11:20-11:40	Dr. Hussain Mohammad Bassi, Consultant in Renewable energy, Saudi Arabia	The future of Renewable energy in Saudi Arabia	Environmental Sustainability
11:40-12:00	Dr. Heba M. Adly, Umm Al Qura University	Environmental sustainability and climate change	Environmental Sustainability
12:00-12:20	Dr. Mahmoud Elfaky, King Abdulaziz University	Gene Therapy: Advances and Challenges	Health Sustainability
12:20-13:20	Poster Session and Break		

SESSION 2:

CHAIRS: DR. ASIM ALSHANBERI & DR. HASSAN IZZEDDIN SARSAK
MODERATOR: MS. MAHA MOHAMED IBRAHIM

Time	Speaker	Title	Theme
13:20-13:40	Prof. Michael Wink, Heidelberg University, (Online Talk)	Modes of action of poisonous plants	Environmental Sustainability
13:40-14:00	Dr. Saleh Ahmed Saleh, Umm Al Qura University	Sustainability and university excellence: Challenges and aspirations	Environmental Sustainability
14:00-14:30	Prof. Sherweit H. Alahmady, Ain Shams University (Online Talk)	Hidden Attributes of Cancer in our Diet	Health Sustainability
14:30-14:50	Prof. Mohamed Abdel-Daim, Batterjee Medical College	The Impact of Pharmacy Research on the Environment Sciences and Health Sustainability	Environmental Sustainability
14:50-15:10	Dr. Rania Mohammad Sabri Sultan, King Abdulaziz University, Batterjee Medical College	Efficacy of Herbal detox in a patient with MRSA	Health Sustainability
15:10-15:30	Dr. Ahmad Khuddro, Effat University	IMPLEMENTATION OF TQA MODEL ON THE ARABIC TRANSLATION OF ENGLISH PHARMACEUTICAL TEXT: A CASE STUDY	Other SDGs

SESSION 3:

Time	
15:30-16:00	Poster Session and Break



CONFERENCE SCIENTIFIC COMMITTEE AND ORGANIZING COMMITTEE

DEAR ATTENDEES,

We are delighted to welcome you to BMC Scientific Research Conference 2023.
HEALTH AND ENVIRONMENT: CHALLENGES AND SOLUTIONS.

The conference is inspired from the critical challenges of human health and environment sustainability concerning the present and future generations. The conference will provide a forum for the presentation of research findings, sharing of ideas, and discussion of professional issues relevant to Health and Environment Sustainability. It is an interdisciplinary forum for researchers from any professional disciplines who share an interest in and concern for sustainability in a holistic perspective, where health, social, and environmental concerns are intersecting.

1. HEALTH SUSTAINABILITY

- Health and wellbeing.
- Nature-based solutions.
- Poverty Eradication.
- Environmental risks and impacts on human health.
- Biomimicry for health.
- Climate Change and health.
- Environmental education and health.

2. ENVIRONMENTAL SUSTAINABILITY

- Affordable and Clean Energy.
- Clean Water and Sanitation.
- Sustainable Cities and Communities.
- Responsible Consumption and Production.
- Climate action planning and solutions for healthier people.
- Life Below Water.
- Life on Land.

This Conference Program Includes:

- Keynote presentations
- Posters Exhibition

Finally, we hope that BMC Scientific Research Conference 2023 would be a successful, meaningful and informative event in all aspects.



Chair of the BMC Scientific
Research Conference 2023

DR. IKHLAS ABDULAZIZ SINDI

Vice Dean of Students Affairs and
Research Director, Batterjee Medical
College, Jeddah, Saudi Arabia

PROFESSIONAL SUMMARY

Dr. Ikhlas Sindi has a PhD in neuroscience and genetics from the school of medicine at the University of Queensland, Australia. She is an Assistant Professor at King Abdulaziz University, the Department of Biotechnology. She is the Vice Dean of student affairs at Batterjee Medical College, Jeddah, Saudi Arabia.

Dr. Ikhlas has many publications in highly reputed journals. Dr. Ikhlas's Research Interests are in Neurodegeneration especially in Alzheimer disease, autism and other neurological disorder.

Contact: ikhlas.sindi@bmc.edu.sa



CONFERENCE SCIENTIFIC
COMMITTEE

PROF. SADDIG D. JASTANIAH

Professor of Radiologic Sciences,
Chairman of Research Committee,
Vice Dean of Hospital Affairs, Head of
Radiologic Sciences Program, Batterjee
Medical College, Jeddah, Saudi Arabia

PROFESSIONAL SUMMARY

Prof. Saddig D. Jastaniah is the Vice Dean of Hospital Affairs and Head of Radiologic Sciences Program at Batterjee Medical College, Jeddah, Saudi Arabia.

Dr. Saddig is a Professor at the Faculty of Applied Medical Sciences, King Abdulaziz University.

Prof. Saddig has obtained his Doctorate degree in Radiation Physics, School of Electronics and Physical Sciences, University of Surrey, Guildford, 2003. His Master's degree was in Nuclear Engineering (Health Physics), Engineering, King Abdul Aziz University 1994.

Prof. Saddig worked as a consultant and was the Dean of IT and e-learning at the University of Hail.

Prof. Saddig Research Interests include Digital Radiation Detection Systems, Medical Imaging and signal processing, Medical Education Radiotherapy physics and dosimeters, Medical imaging technology, Environmental Radiation Protection, Medical Radiation Physics. He has published more than 44 papers

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CONFERENCE SCIENTIFIC
COMMITTEE

PROF. SABRIN R.M. IBRAHIM

Professor of Natural Products Chemistry and Biology, Co-chairman of Research Committee, Preparatory Year Program, Batterjee Medical College, Jeddah, Saudi Arabia

PROFESSIONAL SUMMARY

Specializing in natural products chemistry and biochemistry, she completed her Ph. D. degree in Marine Natural Products Chemistry and Biology in 2005 at Pharmazeutische Biologie Institute der Universität Heinrich-Heine, Düsseldorf, Germany. Her research focuses on isolation and structural elucidation of biologically active metabolites from marine organisms and fungi as well as phytochemical characterization and pharmacological evaluation of the traditionally used medicinal plants. She is one of the highly cited scientists according to databases of standardized citation metrics across all scientists and scientific disciplines and AD=Scientific Index; World Scientist and University Natural Sciences Rankings. She has published 250 peer-reviewed papers most of them are in high impacted peer-reviewed Journals. She has two USA authorized patents. And she has served as co-investigators for more than 30 projects which are supported by several funding resources. She is a member in the editorial boards of more than 30 International Scientific Journals. She got a special teaching award in the Field of Pharmaceutical Sciences, Assiut University in 2009. She got 13 awards of excellence in the field of Scientific Publishing and Best Citation from King Abdulaziz University, KSA. <https://www.researchgate.net/profile/Sabrin-Ibrahim-2>

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CONFERENCE SCIENTIFIC
COMMITTEE

PROF. MOHAMED L. ASHOUR

Professor, Pharmacy Program,
Batterjee Medical College, Jeddah,
Saudi Arabia

PROFESSIONAL SUMMARY

Mohamed Lotfy Ashour is a professor of pharmaceutical sciences at Batterjee Medical College since September 2018. He was graduated at 1996 from Faculty of Pharmacy, Alexandria University and he obtained his Master degree in Pharmacognosy from Department of Pharmacognosy, Ain Shams University, Egypt. He got his PhD on 2010 from Department of Pharmaceutical Biology, Heidelberg University, Germany. Since that, he conducts his research in pharmacognosy, phytotherapy, phytochemistry He worked twice as a post-doctoral fellow at Institute of Pharmacy and Molecular Biotechnology in Heidelberg, Germany on 2012 and Department of Pharmaceutical Chemistry, Faculty of Pharmacy and Biosciences, Innsbruck University, Austria on 2016. He is the coauthor of more than 120 international publications (research articles, review articles, book chapters). He is a reviewer of more than 50 peer-review journals and an editorial member for 7 international journals. His main research interest in medicinal plants with special emphasis on isolation, structure elucidation and biological screening of secondary metabolites from plants and marine organisms. In addition to application of molecular modelling and multivariate analysis in natural products research. He has international collaboration with Saudi Arabia, Germany, Tunisia, Italy, Algeria, Uzbekistan, Morocco, and China



CONFERENCE SCIENTIFIC
COMMITTEE

**DR. FAWAZ
PULLISHERY BDS,MDS,
DDPH (UK), MMED.**

Assistant Professor, Dentistry Program,
Batterjee Medical College, Jeddah,
Saudi Arabia

PROFESSIONAL SUMMARY

Dr. Fawaz is an Assistant professor at, Batterjee Medical College for the last 6 years in the department of Community Dental Practice teaching undergraduate dental students Community Dental Practice and Research Methodology. He received his BDS degree in 2009, from Rajiv Gandhi University of Health sciences, India and Master's degree, MDS (Public Health Dentistry) in 2014 from Yenepoya University, India. He is a Diplomate in Dental Public Health from Royal College of Surgeons England (DDPHECSEng) and also have Masters in Medical Education (MMed) from Dundee University, Scotland. He is also a Certified Biostatistician (CMC, Vellore). He is the receiver of prestigious IASLC 2016, Mentorship Award at World Lung Health Conference in Vienna, Austria. He has more than 42 publications in high quality peer-reviewed international journals and serves as editorial member for two indexed journals. His research interests include dental public health, health education, dental education, preventive dentistry, Oral Epidemiology, and tobacco control.



CONFERENCE SCIENTIFIC
COMMITTEE

**MISS BASMA HASSAN A
HASHEM**

Research Unit Coordinator, Batterjee
Medical College, Jeddah, Saudi Arabia

PROFESSIONAL SUMMARY

Miss Basma has a Bachelor's Degree in Biomedical Science with honors, from Liverpool John Moores University, Liverpool, UK. she is working now at Batterjee Medical College, Jeddah, Saudi Arabia.

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INTRODUCTORY NOTES AND CHAIR OF SCIENTIFIC SESSIONS



First session

SESSION CHAIR



DR. AHMED E. ALTYAR

Associate professor, Pharmacy Program, Batterjee Medical College, Jeddah, Saudi Arabia

Dr. Ahmed Altyar is the Chief Business Development Officer at Batterjee Medical College BMC, and an Associate Professor of pharmacy practice at the Faculty of Pharmacy, King Abdulaziz University KAU, Jeddah, Saudi Arabia. He received his Doctor of Pharmacy degree from KAU and then received an Advanced Clinical Pharmacy Practice Certificate from the University of Arizona College of Pharmacy in 2012. Dr. Altyar completed an ASHP-accredited pharmacy practice residency and an ASHP-Accredited specialized residency in Health-System Clinical Pharmacy Administration at Banner - University Medical Center Tucson, formerly known as the University of Arizona Medical Center – University Campus. In 2014 he completed his Post-Doctoral Fellowship in Clinical Outcomes and Comparative Effectiveness Research at the Center for Health Outcomes and Pharmacoeconomic Research (HOPE) Center. In 2016, he was awarded a post-graduate Diploma in teaching and learning from KAU. His current research focuses on clinical service management, clinical comparative and effectiveness research, and medical education.

First session

SESSION CHAIR



DR. WAFAA AL-JOHANI

Assistant Professor, Head of Nursing Program, Batterjee Medical College, Jeddah, Saudi Arabia

Dr. Wafaa Aljohani is an Assistant Professor of Medical Surgical Nursing, and a certified Consultant of Nursing. Also, she is the Head of Nursing Program at Batterjee Medical College. Dr. Wafaa had different experiences in Clinical and Academic settings. Her interest is Critical Care Nursing and Medical Surgical Nursing. Her Area of expertise is teaching and learning methods, research, clinical practice, and academic consultation.

Second session

SESSION CHAIR



DR. ASIM ALSHANBERI

Associate professor, Head of Medicine Program,
Batterjee Medical College, Jeddah, Saudi Arabia

Dr. Asim alshanberi is a Family and Geriatric Medicine Consultant. He received his Bachelor degree in Medicine from Um AlQura University. He completed residency training in Family Medicine at Texas Tech University. He is certified by the American Board of Family Medicine and has a particular professional interest in inpatient service and office-based procedures. Dr. Alshanberi is a fellow of the American Academy of Family Physicians, completed a geriatric fellowship at the University of Miami and also completed a faculty development fellowship at the University of North Texas. He worked as an advisor at Kaplan Medical Center, Chicago. Currently, He is Dean of Faculty of Medicine at Batterjee Medical College.

Second session

SESSION CHAIR



DR. HASSAN IZZEDDIN SARSAK

Head of Occupational Therapy Program, Batterjee
Medical College, Jeddah, Saudi Arabia

Dr. Hassan I. Sarsak (PhD, OT) received his Doctorate Degree in Rehabilitation Sciences with a Concentration in Occupational Therapy (OT) from the University of Pittsburgh, PA, United States in 2013. Dr. Sarsak has worked in the USA, Kuwait, Saudi Arabia, and Jordan for over 15 years in a variety of clinical, academic, and research institutions (i.e., University of Pittsburgh Medical Center, University of Jordan, and Hashemite University). Throughout his career, he has provided services for individuals from different populations (i.e., Pediatrics, Adolescents, Adults, Geriatrics) with different diagnoses (i.e., Psychiatric Disorders, Neuro-physical Dysfunctions, Cognitive Disabilities, Learning Difficulties). In 2017, in response to the need of more wheelchair professionals and to enhance the quality of service delivery to wheelchair users, Dr. Sarsak developed the Wheelchair Training Program (WTP) for Rehabilitation and OT Students and integrated it into Rehabilitation Curricula/Programs in both Jordan and Saudi Arabia to become the first Arab training program and among the first five training courses receiving the international recognition from the International Society of Wheelchair Professionals (ISWP) and the Wheelchairs International Network (WIN) worldwide. In 2018, Dr. Sarsak received a trainer recognition certificate from the ISWP and he has been a certified wheelchair service provider ever since. In 2019, Dr. Sarsak developed an OT Program and Curriculum at Batterjee Medical College in Saudi Arabia to become the first approved OT program in Saudi higher education private sector and among the first ten approved programs in the Arab world by the World Federation of Occupational Therapists (WFOT) and is currently the Head of the Program. In 2020, Dr. Sarsak developed Enriching Arabic Content in Occupational Therapy Project and in 2021, he authored a book entitled "Comprehensive Dictionary in Occupational Therapy" to be the first Arabic dictionary in the Occupational Therapy profession worldwide. In 2022, Dr. Sarsak authored another book entitled "Arabic Reference to Occupational Therapy" to become the first thorough scientific OT encyclopedia written in Arabic language. In 2023, his new book "Occupational Therapy and Wheelchairs" was published as the first Arabic book specialized in the field of wheelchairs service provision and technology.

First session

SESSION MODERATOR



DR. NOUF ALSHREIF

Assistant Professor, Deputy Head of English Department, Preparatory Year Program, Batterjee Medical College, Jeddah, Saudi Arabia

Dr. Nouf Alshreif is an Assistant Professor of English at Batterjee Medical College. She holds a PhD in Composition and Applied Linguistics with a concentration in Learning Psychology from Indiana University of Pennsylvania. She holds a Master's Degree in Teaching English as a Second Language from Indiana University of Pennsylvania. In addition, she holds a Master's Degree in Public Policy and Administration from California Lutheran University. She holds a Bachelor's Degree in English and Education. Dr. Alshreif is a scientific researcher and educator who received a number of scientific and teaching awards. Dr. Alshreif received the Scholar for the Deam Award 2019 from the National Council of Teachers of English in USA. In addition, she received the Teaching Excellency Award 2017 From Indiana University of Pennsylvania.

Second session

SESSION MODERATOR



MS. MAHA MOHAMED IBRAHIM

Lecturer, Nursing Program, Batterjee Medical College, Jeddah, Saudi Arabia

Ms. Maha has a Master's degree in Medical Education and a Bachelor degree in Nursing. Interested in students centered teaching approach and researches about creative learning methodologies that facilitate students engagements and maximize their potential.

POSTER EVALUATION COMMITTEE



Poster Evaluation Committee

DR. NEHMAT GHABOURA

Head of Pharmacy Program, Batterjee Medical College, Jeddah, Saudi Arabia

PROFESSIONAL SUMMARY

Nehmat Ghaboura is the head of Pharmacy Program at Batterjee Medical College (BMC). After completing her PhD in Clinical Pharmacology in France on 2011, she joined the BMCPP as an Assistant Professor responsible of teaching Pharmacotherapeutics course. In 2013, she was assigned to supervise the Advanced Pharmacy Practice Experience and to be the coordinator for the cardiology rotation. On 2017, she was appointed the acting head of Pharmacy Program at BMC (BMCPP). At BMCPP, she is a member of the assessment committee, quality committee, and steering committee. She is a member at the Saudi Pharmaceutical Society (SPS) and the ACCP Cardiology PRN International Committee and the ACCP EDTR PRN Membership Committee. She is serving as a volunteer reviewer for ACCP's On Demand Letter of Intent (LOI) Review Service and a pilot tester for ACSAP modules.



Poster Evaluation Committee

DR. ALI OSMAN SELIM

Associated Professor, Head of Physical Therapy Program, Batterjee Medical College, Jeddah, Saudi Arabia

POSTER EVALUATION COMMITTEE

PROFESSIONAL SUMMARY

Dr. Ali Selim is an associated Professor of physical therapy at Batterjee Medical College where he has been a faculty member since 2013. He is the head of the physical therapy program. since 2017. Ali is the instructor of physical therapy for burn and surgical cases undergraduate and postgraduate topics. Ali completed his Ph.D. 2008 and his undergraduate studies at Cairo University. His research interests lie in the area of physical therapy for burn cases, obesity management and surgery He has collaborated actively with researchers in several other disciplines of medical science. Ali has served on many conferences, workshop and committees and served as a faculty member at faculty of physical therapy. Cairo University. Egypt and at Batterjee Medical College. KSA.

POSTER EVALUATION COMMITTEE



Poster Evaluation Committee

DR. LUJAIN SAMARKANDI

Assistant Professor, Head of Health Management Program Batterjee Medical College, Jeddah, Saudi Arabia

PROFESSIONAL SUMMARY

Dr. Samarkandi is an Assistant Professor of Health Management Program at the Batterjee Medical College. Dr. Samarkandi earned her Ph.D. in Professional Leadership in Health Science from Seton Hall University the Department of Interprofessional Health Sciences and Health Administration, Master of Science in Healthcare Administration from the University of New Haven, and Bachelor of Science in Business Administration from King Abdulaziz University. Her research areas of interest are health information management, personal health records, health informatics & data analytics, and management of electronic medical records.

My executive leadership degree lends me a particular interest in administrative level leadership issues and improving the quality of healthcare outcomes, particularly at the organizational level. In general, I am committed to the promotion of new technology in the healthcare sector.



Poster Evaluation Committee

DR. AYEDH ALAHMARI

Assistant Professor, Head of Respiratory Program, Batterjee Medical College, Jeddah, Saudi Arabia

POSTER EVALUATION COMMITTEE

PROFESSIONAL SUMMARY

Graduated from the University of South Alabama (USA) in 2008 as respiratory therapist, master in respiratory leadership from University of Evansville, Indiana, USA and finished with PhD in 2014 from University college London (Respiratory medicine UK), Work as a clinical research fellow at COPD Research Group, National Heart & Lung Institute, Imperial College London. I was appointed assistant professor in Respiratory therapy at BMC and head of program in 2016. My primary research interest is in COPD exacerbations, with a particular focus on influence of weather and atmospheric pollution on patients with COPD, The relationship between exercise capacity and Inflammatory Markers at COPD Exacerbation, recovery and time course of exacerbation.

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KEYNOTE SPEAKER



BMC Scientific Research Conference 2023
Keynote Speaker



PROF. PETER R. DODD
Professor, University of Queensland,
Australia

PROFESSIONAL SUMMARY

Director of the Queensland Brain Bank, The University of Queensland

Address: School of Chemistry and Molecular Biosciences, Building #76 St Lucia campus, Brisbane, Queensland 4072, Australia. Mb +61(0)404476939.

I was Asia Pacific representative for the International Society for BioMedical Research on Alcoholism (ISBRA), Past President of the Asia Pacific Society for Alcohol and Addiction Research (APSAAR), and Past President of the Asia Pacific Society for Neurochemistry (APSN). I am a member of the Research Society on Alcohol (RSA), the International Society for Neurochemistry (ISN), the Society for Neuroscience (SfN), and the Australasian Neuroscience Society (ANS). I am on the Executive of the International Drug Abuse Research Society (IDARS) and a Field Editor for Alc. Clin. Exp. Res. I am a member of the Assigener's Academy of the National Health and Medical Research Council (Australia); I also review grant applications for the Hong Kong Health Research Fund, NIH, and other International Agencies.

My research focuses on mechanisms of neurodegenerative disease and alcoholic brain damage in human brain tissue obtained at autopsy and stored in our brain bank (QBB). We also obtain tissue from other facilities in the Australian Brain Bank Network. We study mRNA and protein expression, of both targeted components and

via transcriptomics and proteomics, in relation to genotype. My funding has come from the NIAAA (USA) and the NHMRC. I advocate the development of research collaboration in the Asia Pacific and Middle East regions, and with international colleagues world-wide.

TITLE: DEFECTIVE SIGNALING BETWEEN BRAIN CELLS IN ALZHEIMER'S DISEASE

ABSTRACT

My talk will focus on aspects of the disease process in Alzheimer's Disease (AD), particularly as related to defects in the communication between brain cells (neurons). We are exploring the idea that cellular signalling is a key aspect of AD and a path to molecular therapy in future. I will highlight some aspects of the work done in my lab by your Vice Dean of Students Affairs, Director of Research Unit, and Assistant Professor of Molecular Genetics Dr. Ikhlas Abdulaziz Sindi.



PROF. MARINA PISCOPO
Professor, Department of Biology,
University of Naples Federico II. Via
Cinthia 80126 Naples, Italy.

PROFESSIONAL SUMMARY

Marina Piscopo, graduated in Biological Science (summa cum laude) in 1986, in 1992 received her Ph.D. in Biochemical Science at the University of Naples Federico II (UNINA). Since 1995 has been Researcher at UNINA and at present is Associate Professor of Molecular Biology at the Department of Biology of UNINA. In addition, she is the vice president of the Order of Biologists of Campania and Molise. She has been teaching molecular biology courses of 10-20 credits/year since 1998 and has been supervisor for more than 200 experimental theses in molecular biology. She works on histones, sperm nuclear basic proteins and their genes. She uses these proteins as biomarker to analyze the molecular effects of various xenobiotics on the reproductive health of marine organisms, humans and plants with the aim to carry out rapid and efficient genotoxicity tests based on the state of chromatin usable in biomonitoring programs. In fact, she highlighted, with numerous studies, that the analysis of the Sperm nuclear Basic Proteins, is an emerging biotechnology for the evaluation of the impact of heavy metals on the reproductive health of the bivalve mollusc *Mytilus galloprovincialis* and human. She is member of: Ecofoodfertility project (<http://www.ecofoodfertility.it>) and is also interested in the relationship between human reproductive health and environmental contamination (with the semen that becomes sentinel of the state of health of the environment and the well-being of the individual), as well as that between contaminants and treatment with detoxifying foods.



PROF. MICHAEL WINK
Senior professor, Universitaet Heidelberg;
Institut für Pharmazie & Molekulare
Biotechnologie (IPMB), D-69120
Heidelberg

PROFESSIONAL SUMMARY

Michael Wink is a full professor of Pharmaceutical Biology at Heidelberg University, where he has headed the Biology Department at the Institute of Pharmacy and Molecular Biotechnology since 1989. Since October 2019 he has been working as a senior professor. After studying biology and chemistry at the University of Bonn, he conducted research in Brunswick, Cologne, Munich and Mainz. His fields of work range from phytochemistry, medicinal and poisonous plants, ornithology and conservation to systematics, phylogeny and evolutionary research. He is author/co-author of more than 30 books and over 1000 original papers. He is a visiting professor at universities in China, Thailand, Argentina and Mexico, as well as a member of various scientific advisory boards, editor of several journals (EIC of Diversity) and recipient of several awards.

TITLE: ENVIRONMENTAL POLLUTION AND MALE INFERTILITY: THE CONTRIBUTION OF MOLECULAR BIOLOGY TO HIGHLIGHT ALTERATIONS BEYOND THE SPERMIOGRAM

Abstract

Environmental pollution negatively affects human health in many ways. DNA oxidative damage is one of the main concerns being implicated in severe cell alterations, promoting different types of human disorders and diseases. For their characteristics, male gametes are the most sensitive cells to the accumulation of damaged DNA. The talk is on our recent discovery regarding alterations in human sperm nuclear basic proteins (SNBP) in healthy young males living in the Land of Fires, an area at high environmental impact in Campania Region, Italy. We extracted SNBP both from spermatozoa of these young males residing in the high-impact area and from young men of the same age residing in low-impact areas of the same Region. The canonical ratio of protamines to histones in mature human spermatozoa is 85% protamines and 15% histones. The alterations, observed in 84% of these young men, regarded: protamines/histones ratio in spermatozoa and DNA binding of these proteins. In addition, the involvement of these proteins in DNA oxidative damage was found, supporting the idea that these proteins could promote the Fenton reaction in DNA proximity by increasing the availability of these metals near the binding surface of DNA. As a matter of fact, in the semen of these subjects we found excess of copper and chromium, two metals able to promote Fenton reaction. Moreover, the young males residing in the high-impact area did not show significant changes in the spermogram. In conclusion, our study reveals a new and unexpected behaviour of human sperm nuclear basic proteins in oxidative DNA damage in men residing in area at high environmental impact, providing new insights for understanding the mechanisms related to processes in which oxidative DNA damage is implicated and shows that molecular biology approaches allow the detection of alterations beyond the spermogram.

TITLE: MODES OF ACTION OF POISONOUS PLANTS

Abstract

Plants developed poisonous phytochemicals during evolution as a strategy against plant eating animals (herbivores). Important toxic phytochemicals and the plants which produce them will be introduced and their modes of actions will be highlighted. Among the most poisonous phytochemicals, the group of alkaloids play a central role, as most of them are potent neurotoxins or cytotoxic agents. Cardiac glycosides inhibit Na⁺/K⁺ ATPase; they inhibit neuromuscular activity and have been used as arrow poisons, for murder but are also important in, medicine to treat cardiac insufficiency. Cyanogenic glucosides, which are common also in some food plants, release HCN after enzymatic hydrolysis. HCN is a strong inhibitor of the mitochondrial respiratory chain and thus a lethal poison. Also some peptides are strong poisons, such as ricin in *Ricinus communis*, which inhibit ribosomal protein synthesis. A few of the toxic phytochemicals are employed in medicine, e.g. in cancer therapy.



PROF. ALFREDA STADLIN
Professor, College of Medicine, Ajman
University, Ajman, UAE

PROFESSIONAL SUMMARY

Professor Alfreda Stadlin in the Head of Basic Medical Sciences Department at the College of Medicine, Ajman University since 2018. She is a graduate of University of Western Australia, Australia who has worked in many countries including Australia, New Zealand, Hong Kong, USA, South Korea and Kingdom of Saudi Arabi (KSA). She has been engaged in the field of drug addiction research for 30 plus years, spanning cell culture and animal studies in examining the neurotoxic effects of cocaine, methamphetamine, MDMA and heroin as well as the postnatal effects of prenatal cocaine and heroin exposure. Human studies involved examining the bio-psycho-social interaction of addiction with particular focus on gene polymorphisms and personality trait interactions amongst drug- and alcohol-dependent patients from various ethnicities. Prof Alfreda served as council/board members on a number reputable international research societies like the International Society for Neurochemistry (ISN), Asia-Pacific Society for Neurochemistry (APSN, President), International Drug Abuse Research Society (IDARS). Currently she serves on the Board of Directors as Secretary of the International Society for the Biomedical Research on Alcoholism (ISBRA) as well as the Asia-Pacific Society for Alcohol and Addiction Research (APSAAR). She has supervised many postgraduate students in different countries and was been invited to examine postgraduate theses from Hong Kong, China, Australia, Thailand, India and South Africa.

TITLE: ADDICTION: A COMPLEX, CHRONIC AND RELAPSING PSYCHIATRIC DISORDER

Abstract

In 2020, 1 in every 18 people aged 1564 worldwide, an estimated 284 million people (5.6 per cent of the population), had used a drug in the past 12 months. The number of people who used drugs (284 million) in 2020 was 26 per cent higher than a decade earlier. It is estimated they are mainly cannabis (209mil), opioids (61mil), amphetamines (34mil), cocaine (21) and ecstasy (20mil) users. There are 2.3 billion current drinkers with a total alcohol per capita consumption in the world's population over 15 years of age being 6.4 litres. Alcohol is often consumed with other psychoactive substance use. Drug use accounts for 5% of substance-related deaths, with tobacco and alcohol being the highest risk factors for these deaths. The large majority of people who use drugs continue to be men, but women make up more than 40 per cent of people who use amphetamine-type stimulants (ATS), however, only one in five people in treatment for ATS disorders is a woman. There is a growing trend of new psychoactive substances posing a public health threat, with 'captagon' being a drug of concern in the Arabian Peninsula (UNODC World Drug Report 2022).

The aetiology of substance-use disorders is multifactorial, with genetic, personality and environmental factors interacting in a complex manner from initial predisposition to the development and maintenance of dependence. Family, adoption, and twin studies have provided evidence for the heritability of addiction. The contribution of genetic factors to drug and alcohol misuse risk is as high as 40-60%. The mesocorticolimbic reward system mediates acute reinforcing effects for drugs of abuse as well as longstanding dependence and tolerance. Repeated use initiates a cascade of neuro-adaptations within this circuitry that transforms recreational drug use into an uncontrollable drive to seek drugs (Koob and Simon 2009). However, not every person who tries drugs develops dependence, irrespective of common environments, which indicates the importance of genetic predisposition. There is potential for genetic variations to modulate the neuroplastic changes that underlie risk or protective mechanisms in drug and alcohol addiction. Personality traits, which is also heritable, maybe a common mediating factor for substance and alcohol misuse. This presentation highlights some of the phenotype-genotype interactions of opioid as well as heavy alcohol users, examining the correlation amongst domains like personality traits, psychiatric comorbidity, drug/alcohol use pattern with certain genetic factors.

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SPEAKER





PROF. ABDELSATTAR M. OMAR
Professor of Medicinal Chemistry, Faculty
of Pharmacy, King Abdulaziz University,
Jeddah 21589, Saudi Arabia

PROFESSIONAL SUMMARY

Dr. Omar is a Professor of Medicinal Chemistry at King Abdulaziz University's Faculty of Pharmacy in Jeddah. He graduated from Al-Azhar University's Faculty of Pharmacy in 1996 and obtained his M.Sci. in Pharmaceutical Chemistry in 2003, studying the synthesis of cyclic imides analogs as potential anticonvulsant agents. In 2008 he was awarded his Ph.D. from the same institute, researching the synthesis of oxazolone and imidazolone analogs targeted as potential selective COX-2 inhibitors. As well as being the director of the Drug Discovery & Development Research Group at KAU, he has acted as a scientific consultant to the university's vice president since 15/08/1439 until 25/06/1442. Currently, Dr. Abdelsattar is the head of the AI-Based Translational Medicinal Chemistry Unit at KAU-Oxford Center of Artificial Intelligence and Precision Medicine (CAIPM). Furthermore, Dr. Abdelsattar is an internationally recognized scientist and a member of the Scientific Advisory Board of Illexcor L.L.C. in Virginia, USA, tasked with discovering drugs to combat blood diseases. He is also a prolific inventor, holding forty-two patents issued by the USPTO, and has extensive experience in the fields of drug discovery and medicinal chemistry.



DR. HUSSAIN MOHAMMAD BASSI
Consultant in Renewable energy,
Saudi Arabia

PROFESSIONAL SUMMARY

Dr. Bassi received his PhD in Electrical Engineering from the University of Pittsburgh. He worked as an associate professor at King Abdulaziz University. He contributes effectively to his discipline by adding innovative ideas and compete to add upon the state-of-the-art in power electronics technologies and renewable energy. He worked as a senior advisor in the ministry of Energy. Dr. Bassi has accomplished several projects in clean energy such as building policies and regulations for several ministries and organizations. He owns over 30 patents and tens of publications in clean energy.

TITLE: THE EVOLUTION OF HEMOGLOBIN MODIFIERS FROM ACADEMIC RESEARCH TO PRECLINICAL CANDIDATES

Abstract

The discovery of novel hemoglobin modifiers to treat sickle cell disease (SCD) has been an ongoing effort for many years, and the research community is getting ever closer to the goal of bringing drug candidates from academic research to preclinical and clinical trials. King Abdulaziz University, Virginia Commonwealth University and Children's Hospital of Philadelphia/Illexcor Co. have been at the forefront of this effort and have come together to bring the search for novel hemoglobin modifiers to the clinical setting. Through their combined efforts, the research team has identified and developed a number of promising lead candidates for the potential treatment of SCD. From these targets, the team was able to develop a number of novel hemoglobin modifiers. Through preclinical trials, the team demonstrated that the new molecules can bind to red blood cells, modulate their oxygen-carrying properties, and improve the red blood cell deformability under high shear stress. The research team also showed that these molecules have the potential to inhibit hemolysis, reduce anemia, and suppress inflammation. Ultimately, these compounds may become useful drugs for the treatment and management of SCD, but this discovery is only the first step in the process. The next step is to bring the compounds to clinical trials, which is where the scientists at KAU, VCU, CHOP and Illexcor have invested their efforts. By targeting potential targets and thoroughly evaluating the safety and efficacy of these molecules, the research team is working diligently to make these compounds available for clinical trials in the near future.

TITLE: THE FUTURE OF RENEWABLE ENERGY IN SAUDI ARABIA

Abstract

In Saudi Arabia we are keen on becoming pioneers in renewable and clean energy instead of consuming oil, which, by exporting, raises state revenues, and enables it to continue spending on infrastructure projects and community service. Thus, diversifying the energy mix has become a strategic goal in light of the steady economic and population growth, and energy-intensive industries. Our country is characterized by an abundance of permanent sunlight estimated at 20,000 kilowatts per square meter annually, which enables it to produce clean and renewable solar energy to preserve the integrity of the environment from pollution, and reduce the cost of water production, which represents half the cost of producing one cubic meter of water currently. As well as reducing the target cost of the solar energy project to generate electricity to approximately 30 halalas per kilowatt hour. The Kingdom also possesses the elements that guarantee its success in this field, starting with inputs such as silica and petrochemicals, and ending with the strong experience that the leading Saudi companies possess in producing various forms of energy.



DR. HEBA M. ADLY
Associate Professor of Environmental Health Community Health and Pilgrims Healthcare Department, UQU-UCL Project Manager, Faculty of Medicine, Umm Al Qura University

PROFESSIONAL SUMMARY

Dr. Heba is an Associate Professor of Environmental Health at Faculty of Medicine, Umm Al-Qura University.

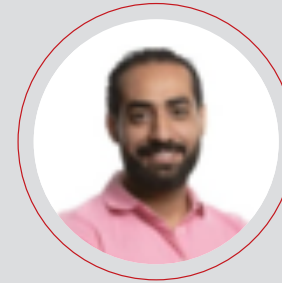
Environmental health thought leader with 15+ years' experience in driving sustainable development programmes across multiple international platforms, delivering bespoke education programmes and university curriculum, and consulting on public health and environmental pollution policy development strategies.

Equipped with environmental science research and program management skills to apprise government policies, drive health education programs, and develop strategies to mitigate health disasters and emergencies. Highly skilled lecturer and conference presenter with over 40 published articles. Proven success at leading international scientific collaborations, securing prestigious project grants, and communicating across diverse groups to optimise research ecosystem. Catalyst for change with an aptitude for establishing strong working relationships with key public, private, and community stakeholders to deliver research-driven programs and maximise project impact.

TITLE: ENVIRONMENTAL SUSTAINABILITY AND CLIMATE CHANGE

Abstract

Our climate is warming up rapidly. Average global temperatures have risen by 1.2 degrees Celsius. Human endeavors have heated the atmosphere, ocean and earth, creating widespread and atmosphere, ocean and biosphere quick variations. Owing to these changes in climate, the number of weather, climate, water-related disasters, and heat related illness and diseases has increased causing over 2 million deaths. However, efficient, and reasonable adaptation and mitigation measures can substantially decrease vulnerability and impact to climate resilience. To move fast in the race against climate disaster, focus on measures making substantial profits and limit the trade-offs on multiple fronts, are vital to success against climate change. The 2030 Agenda and the Sustainable Development Goals (SDGs), the world's strategy of action to attaining sustainability and resilience for our population, are all closely related to climate. At the same time, more attention is needed to be placed on promoting environmental education and creating environmental sustainability awareness.



DR. MAHMOUD ELFAKY
Associate Professor of Microbiology and Molecular Biology, Faculty of Pharmacy, KAU University

PROFESSIONAL SUMMARY

Associate Professor of Microbiology and Molecular Biology, Faculty of Pharmacy, KAU University; Visiting Scholar at computational bioscience research center (CBRC) KAUST; Consultant at center of alignment of educational outcomes with labor market, vice president for development offices, KAU. Head of health and quality unit, KAU- University of Oxford center of artificial intelligence for precision medicine. Has more than 60 publications in ISI journals and 4 registered patents at USPTO.

TITLE: GENE THERAPY: ADVANCES AND CHALLENGES

Abstract

The talk will cover the history and types of gene therapy, the targeted diseases, what are the possible limitations of gene therapy, advances and future perspectives and recent applications of gene therapy.



DR. SALEH AHMED SALEH
Associate Professor of Clinical
Biochemistry at the Faculty of Medicine,
Umm Al-Qura University (UQU)

PROFESSIONAL SUMMARY

Saleh held a strategic advisory role at UQU in which he promoted the university academic excellences & competitiveness through continuous support for research, development, international collaboration, academic affairs, and alumni on strategies to improve their competencies as well as research output, citation impact and ranking performance. He has also studied the underlying publication and citation indicators used in bibliometric analysis and university ranking performance that he has presented in many workshops and seminars.

In his role at UQU, Saleh steered many activities connected to university rankings including performance analysis, benchmarking, and promotion. He worked closely with the College Deans and faculty members to develop and strengthening UQU performance indicators to be aligned with the world-class university standards. He is the primary contact at UQU for the ranking organizations in addition to collection and submission of institutional data. Saleh had previously a supervision role of UQU international collaboration through which, he implemented UQU strategies towards improving its academic and scientific outcomes through prestigious partnerships. His portfolio includes university ranking, international collaboration, academic planning, institutional research, and quality assurance. Throughout his career, he has made notable academic and scientific contributions and his research has been published and presented in reputable international journals and top scientific conferences. He is a member of many regional and international professional organizations.



DR. SHERWEIT EL-AHMADY
Professor, Department of Pharmacognosy, Faculty
of Pharmacy, Ain Shams University

PROFESSIONAL SUMMARY

Dr. Sherweit El-Ahmady is a Professor of Pharmacognosy at the faculty of Pharmacy, Ain Shams University. She graduated from the Faculty of Pharmacy, Cairo University, Egypt (1995). She received her MSc degree from Texas A & M University, USA, in Plant Biology (2000) and her PhD from Ain Shams University, Egypt, in Pharmaceutical Sciences Pharmacognosy (2006). Dr. ElAhmady has been a faculty member in Ain Shams University since 2006 where she teaches Pharmacy students and conducts research on phytochemicals and biological activities of different medicinal plants as well as their quality assessment. She has published over 50 research articles, supervised over 20 theses, and co-authored 3 book chapters in the field of medicinal plants. Dr. El-Ahmady is an advocate of natural medicine and encourages her students to practice healthy eating through her lectures on phytochemicals and nutrition. She is a member of several academic and research committees and a reviewer in several medicinal plants and nutritionbased journals as well as national research grants funding evaluation. Recently, she received the Diploma of Nutrition for Health Care Professionals from the American University in Cairo (2022). Dr. El-Ahmady is the former Director of the Drug Design Program at the faculty of Pharmacy, Ain Shams University (2014-2018). She is also the former Head of the Pharmacognosy Department at the Faculty of Pharmacy (2019-2021). Since 2020, she is the Director of the International Students and Mobility Office at Ain Shams University

TITLE: SUSTAINABILITY AND UNIVERSITY EXCELLENCE: CHALLENGES AND ASPIRATIONS

Abstract

With the current tremendous increase of information and knowledge volume, academia and higher education world is transforming quickly; On the other hand, the role of university has been re-defined impacting on the significant global challenges and problems. The modern university has to work as a “part” of community, no longer away from it. Excellence of university is a status of excelling quality, thus world-class universities are at the forefront to impact environment and Sustainable Development Goals (SDGs) through transformational teaching, superior research, innovation, and outreach. Excellence of university and its influence on sustainability are being connected through assessment of its progress around the SDGs which can be a catalyst for action, a mechanism for development, and an opportunity to highlight great work that the university is already doing.

TITLE: HIDDEN ATTRIBUTES OF CANCER IN OUR DIET

Abstract

The topic will cover the daily eating habits that may contribute to cancer as well as other misconceptions around this topic.



PROF. MOHAMED ABDEL-DAIM
Department of Pharmaceutical Sciences,
Pharmacy Program, Batterjee Medical College

PROFESSIONAL SUMMARY

Mohamed Abdel-Daim; Ph.D. is a professor of Pharmacology, Pharmacy Program, Batterjee Medical College, P.O. Box 6231, Jeddah 21442, Saudi Arabia. He received his master's degree in Pharmacology in 2003. He obtained his Ph.D. in medical sciences from Kobe University, Graduate School of Medicine, Kobe, Japan in March 2010 through a fully-funded scholarship from the cultural affairs and mission sector, Ministry of Higher Education, Egypt. He worked as a postdoctoral fellow in many Japanese institutions, including Gifu University, Yokohama City University, and Tokyo University of Agriculture and Technology. He is a member of the Research Ethics Council, Academy of Scientific Research & Technology, Cairo, Egypt since 2015. He currently serves as a professor at the Department of Pharmacology, Veterinary Medical College, Suez Canal University, Egypt. Professor Abdel-Daim is an expert in experimental Pharmacology and Toxicology with several published manuscripts related to pesticides and other environmental pollutants. Owing to the recognition of his research works, he has been awarded various research prizes, including the State Encouragement Award from the Academy of Scientific Research & Technology, Cairo, Egypt in 2014 and the First Class Medal of Excellence from the Presidency of the Arab Republic

of Egypt on the national science day in August 2017. In 2020, he won the State Excellence Award for his scientific achievements. He has authored over 400 peer-reviewed scientific publications (current Scopus h-index: 55). He served as an associate editor in many international journals including Springer, Environmental Science and Pollution Research and Elsevier, Ecotoxicology and Environmental Safety and Clinical Nutrition. He also served as a reviewer for over 300 journals, as well as numerous national research grants. He has supervised over 30 Masters and Ph.D. theses. He Acts as a trainer in many workshops related to scientific publishing and manuscript preparation.

TITLE: THE IMPACT OF PHARMACY RESEARCH ON THE ENVIRONMENT SCIENCES AND HEALTH SUSTAINABILITY

Abstract

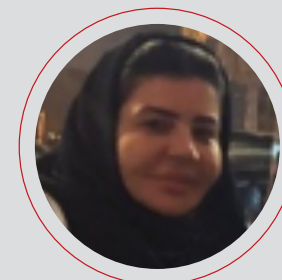
Background: One of our pharmacy research interest topics is the potential application of natural products to prevent food and water-borne toxicities for the environment and health sustainability.

Aim: Our research project aimed to use microalgae and their active constituents as well as phytochemicals to ameliorate food (aflatoxin and acrylamide) and water (microcystin)-borne toxicities in laboratory animals.

Methodology: For this purpose, we induced many in-vivo animal experiments using *Spirulina platensis* and fucoidan, and other phytochemical molecules to protect against aflatoxin, acrylamide, and microcystin-induced multiorgan toxicities in rats, mice, and Nile tilapia. Biomarkers related to liver, kidney, and heart damage were analyzed. Oxidative stress and antioxidant markers were evaluated in different tissue homogenates. DNA damage and repair markers were investigated. Confirmatory histopathology and immunohistochemical analysis were applied.

Results: Our results demonstrated different degrees of oxidative hepatic, renal, cardiac, and neurological damage induced by aflatoxin B1, acrylamide, and microcystin. Concurrent administration of *Spirulina platensis*, fucoidan, and other phytochemicals (luteolin, 18 β -glycyrrhetic acid lycopene, thymoquinone hesperidin, and diosmin) prevented the multiorgan toxicities induced by aflatoxin, acrylamide, and microcystin. These prophylactic effects may be attributed to the antioxidant, anti-inflammatory, anti-apoptotic, and DNA repair activities of the target natural products and their active constituents.

Conclusion: Our research outcomes recommended *Spirulina platensis* and fucoidan as well as other medicinal plants microconstituents; luteolin, 18 β -glycyrrhetic acid lycopene, thymoquinone hesperidin, and diosmin supplementation to avoid food and water-borne toxicities.



DR. RANIA MOHAMMAD SABRI SULTAN
Department of Biological Sciences,
Faculty of Science, King Abdulaziz
University Jeddah, 21589, Saudi Arabia

PROFESSIONAL SUMMARY

Dr. Rania Sultan is Assistant professor Of medical microbiology at King Abdulaziz University from 1989 till now. She received her PhD from at University of Manchester Metropolitan in 2012. My PhD research was on epidemiology of MRSA and alternative medicine treatment. She worked on 40 different plants extracts and special fluids. She found the active components effective on blends of herbs and some fluids like honey. I'm currently teaching medical microbiology course. Her articles have appeared in different journals on MRSA. Dr Sultan participated in both international and Saudi conference. In 2014, She worked on first clinic as a consultant as a dietion for autoimmune including inflammatiry and weight obese patients by guiding them with special detox food and drinks and enhancing their gut microbiome by good bacteria products such as kefir, kmabucha, and fermented sourdough bread. She is the first academic in Saudi who opened a detox cleansing programme and fermented bacteria products food and drinks shop in Saudi from her research work since 2014.

TITLE: EFFICACY OF HERBAL DETOX IN A PATIENT WITH MRSA

Abstract

The increasing of antibiotic-resistant pathogens, which could be one of the major causes of multidrug resistance infections, has again leading attention to natural substances and alternative treatments. The aim of this study was the evaluation of different anti-MRSA herbs and vegetables ina detox juices protocol (DP). The water used was sterilized by MMS and DMSO. This study from one patient with the age of 40 years who were suffered from different symptoms for a long period due to MRSA infection after making bypass surgery in March 2020. A year later the patient followed the DP for ten days duration. The sample was tested after ten days from achieving the detox protocol to compare the MRSA numbers before and after the detox protocol. The result suggests that DP could be promising solutions for the problem of antibiotic resistance due to their multiple compositions and complex mode of action.



DR. AHMAD KHUDDRO
Assistant professor, Effat College of Humanities,
English & Translation Department, Jeddah,
Saudi Arabia

PROFESSIONAL SUMMARY

Dr. Ahmad Khuddro is currently an assistant professor at Effat University, and was formerly a visiting professor at both Bologna University and London City University. His works include: Linguistic Issues and Quality Assessment in English-Arabic Audiovisual Translation (2018), Translating Business English into Arabic (2019, 2nd ed.), Arabic-English Syntax in Translation (2013), Woolf's The Common Reader (trans. 2020), Grego's Specialized Translation (trans 2018). Currently an article on Patient Information Leaflets is being reviewed by PEC Innovation journal. Also, another article is in the pipeline in collaboration with Dr. Sena Mahrezi.

TITLE: IMPLEMENTATION OF TQA MODEL ON THE ARABIC TRANSLATION OF ENGLISH PHARMACEUTICAL TEXT: A CASE STUDY

Abstract

Objective: the study aims to establish the adequacy and accuracy of the existing official Arabic translations of patient information leaflets, in an attempt to contribute to the quality of healthcare provided to Arabic-speaking patients.

Method: Through its focus on and implementation of House's refined Translation Quality Assessment model (2015), an analysis of the source text and target text comparison, based on a conveniently collected sample of these leaflets, is conducted by examining the ideational, interpersonal and textual functions and register, considering the strong relation between text and context. Also, the study investigates how context with its situational dimensions should be accounted for in the target text.

The study has found mismatches, categorised them and potentially rectified. Also, these mismatches were serious as they affect the intended meaning. This finding implies that such mismatches could have a negative effect on the patient's health.

The study recommends the need for revision which can initially be based on the concept of adequacy in Mellinger's revision model (2018), the first of three concepts; the other two are: distributed cognition and salience.

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1. Mohamed L. Ashour

Department of Pharmaceutical Sciences, Pharmacy Program, Batterjee Medical College, Jeddah, Saudi Arabia

EFFICACY OF TELEHEALTH CORE EXERCISES DURING COVID-19 AFTER BARIATRIC SURGERY: A RANDOMIZED CONTROLLED TRIAL

2. Osama Abdel Raouf, Ali Selim

Physical therapy Program, Batterjee Medical College, Jeddah, Saudi Arabia

PROBLEMATIC SMARTPHONE USE: PREVALENCE AND ASSOCIATED FACTORS AMONG HEALTH SCIENCES STUDENTS IN SAUDI ARABIA

3. Ehab A. Abo-Ali, Amal Al-Ghanmi, Hajar Hadad, Jumanah Etaawi, Kainat Bhutta, Najlaa Hadad, Abdullah Almilaibary, Wesssam A. Ghareeb, Ashraf Sanad & Sameh Zaytoun

Medicine Program, Batterjee Medical College, Jeddah, Saudi Arabia

PREDICTION OF ANTIMICROBIAL RESISTANCE GENES USING ARTIFICIAL INTELLIGENCE

4. Mohamed ElMutasim Elsheikh, Mohammad Jaffar

Medicine Program and Pharmacy Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia.

HEALTHCARE PROVIDERS' PERCEPTION TOWARDS THE EFFECTIVENESS OF MHEALTH APPLICATIONS DURING THE COVID-19 PANDEMIC

5. Ms. Farheen Jaffery, Mira M. Abu-Elenin, Lujain A. Samarkandi, Ruba S. Balubaid, Rewa H. Jllal

Healthcare Administration Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia.

AN EXPLORATION OF SAUDI ARABIAN OCCUPATIONAL THERAPISTS' EXPERIENCES OF TRANSITION FROM UNIVERSITY TO PRACTICE.

6. Mr. Khaled Al Hindi

Occupational Therapy Program, Batterjee Medical college Batterjee Medical College, Jeddah 21442, Saudi Arabia

THE CORRELATION BETWEEN SICKLE-CELL ANEMIA AND MALARIA

7. Dr. Badriah Hifni, Shaza Al Yamani, Mohamed Abouassad, Awad Mahmood, Malek Odah

Preparatory Year Program, Batterjee Medical college, Jeddah 21442, Saudi Arabia

EFFECTIVENESS OF MUSIC THERAPY ON ANXIETY AND QUALITY OF LIFE IN PATIENTS UNDERGOING CHEMOTHERAPY

8. Syed Imran, MS Moosabba, Alphonsa Ancheril

Nursing Program, Batterjee Medical college, Jeddah 21442, Saudi Arabia

ANTIMICROBIAL EFFICIENCY OF STRONTIUM BORATE BIOACTIVE GLASS COMPOSITES AGAINST PSEUDOMONAS AERUGINOSA

9. Dr. Tamer Dawod, E. M. Abou Hussein, Noha M Abou Hussien, Mahmoud A. Elfaky, Sabrin R. M. Ibrahim

Department of Chemistry, Preparatory Year Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

WILL ARTIFICIAL INTELLIGENCE REPLACE DOCTORS? : THE CASE OF LYNA

10. Dr. Nadia Fanous, Deema Alsabt; Zahra Kariri; Juhara Alghamdi; Razan Alraddadi

Healthcare Administration Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

MENTAL HEALTH DURING AND AFTER THE COVID-19 LOCKDOWN AMONG UNDERGRADUATE STUDENTS

11. Gokul Krishna Gopalakrishnan, Ayedh Dhafer Alahmari, Ann Mary Jose, Faisal Alhazaani, Albara Majeed, Asr Almofareh, Mazen Homoud Munaji

Respiratory Therapy Program, Batterjee Medical College, Jeddah, Saudi Arabia

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12. Rowaida Qoutah, Ayedh Alahmari, Gokul Gopalakrishnan, Ann Jose, Aya Hejazi, Hadeel Abumossabeh, Fatima Atef, Alhanouf Almutari, Mazen Homoud, Saleh Algarni, Mohammed Alahamari, Saeed Alghamdi, Tareq Alotaibi, Khalid Alwadeai, Saad Alhammad, Mushabbab Alahmari

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13. Duaa Alwani Ismail Magrabi

BioChemistry master's student, Jeddah University, Jeddah, Saudi Arabia

EXPLORING SELF-PERCEIVED OCCUPATIONAL PERFORMANCE AND SATISFACTION IN INDIVIDUALS WITH VESTIBULAR DISORDERS

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Occupational Therapy, BMC student, Batterjee Medical college, Jeddah 21442, Saudi Arabia

THE RELATION BETWEEN EXCESSIVE HEEL WHIP AND LOWER LIMB KINEMATICS ON HEALTHY SUBJECTS DURING RUNNING

15. Fatima Saidi

Lecturer of Physical Therapy Program, Batterjee Medical college, Jeddah 21442, Saudi Arabia

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BMC student, Medicine Program, Batterjee Medical college, Jeddah 21442, Saudi Arabia

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18. Adnan Moallem, Mohammed Radwan, Bader almourad, samer aldera, Mohammed mahsoub

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20. Nabeeha Awan, Ammarah Tayyebah, Sima Saltaji, Jana Kanj, Lene Taha, Noora Khan, Dr Tamer Abdelaziz (Supervisor)

BMC student, Department of Chemistry, Preparatory Year Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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21. Adnan Anjariny - Tariq Alharbi - Abdulaziz Hafid - Abdulrahman Almarashi - Osama Abdulaziz, Mr. Baraa Yamani (supervisor)

BMC student, Department of Chemistry, Preparatory Year Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

ENHANCING PATIENT SATISFACTION IN MEDICAL RECORDS DEPARTMENT THROUGH DEVELOPING A QR IN SAUDI GERMAN HOSPITALS

22. Taif Makki, Mayassah Bai, Mira Maged Abu-elenin (Supervisor)

BMC student, Healthcare Administration Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

HOW BURNOUT AND STRESS MANAGEMENT CAPABILITY INFLUENCE PERFORMANCE OF HEALTHCARE PROVIDERS?

23. Abeer Abdulmajeed, Dowa Ezmirly, Dr. Mira Maged Abu-elenin (Supervisor)

BMC student, Healthcare Administration Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

EFFECT OF MIRROR THERAPY ON HAND FUNCTION IN CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY

24. Emtinan Alrudaini, Tasbeeh Kamel, Hadeel Ibrahim and Layan Abdullah, Dr. Mohammed Abdelfattah

BMC student, Physical Therapy Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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25. Arwa Alkhawly, Ramlah, Safiyah, Ghadeer, Hiba

BMC student, Physical Therapy Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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26. Noor Sahab

BMC student, Physical Therapy Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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27. Kholod Khaled Alsubhi, Ahmed Hafez mousa, Hayam Abdullah Alzhrani, Yusef Hamzh Albog, Sarah Hazza Alamri, Terad Talmesany , Ehab Abdelhalim Aboualy

BMC student, Medicine Program, Batterjee Medical college Batterjee Medical College, Jeddah 21442, Saudi Arabia

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BMC student, Department of Chemistry, Preparatory Year Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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BMC student, Department of Chemistry and Department of Biology, Preparatory Year Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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30. Mahinar Alhartani, Asma A Batarfi, Sherin Bakhashab

BMC student, Medicine Program, Batterjee Medical college Batterjee Medical College, Jeddah 21442, Saudi Arabia

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31. Ruqayyah Ali Ahmed

BMC student, Medicine Program, Batterjee Medical college Batterjee Medical College, Jeddah 21442, Saudi Arabia

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BMC student, Medicine Program, Batterjee Medical college Batterjee Medical College, Jeddah 21442, Saudi Arabia

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BMC student, Healthcare Administration Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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BMC student, Medicine Program, Batterjee Medical college Batterjee Medical College, Jeddah 21442, Saudi Arabia

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35. Fawaz Pullishery

Dentistry Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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36. Nouf Alshreif, Mohammed Abuhashish

Preparatory Year Program, Batterjee Medical College, Jeddah 21442, Saudi Arabia

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