



Scientific Program

5th World Congress and Expo on

Applied Microbiology

November 12-13, 2018 | Edinburgh, Scotland



UK: Conference Series LLC Ltd
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DAY-1

November 12, 2018

Meeting Hall: **Rutland**

08:30-09:00 Registrations

Opening Ceremony **09:00-09:20**

KEYNOTE FORUM

09:20-09:30 Introduction

Title: Molecular detection and sequencing of carbapenemase-encoding genes in clinical strains of *Pseudomonas aeruginosa*

09:30-10:15

Ayman Kamal El Essawy, Ain Shams University, Egypt

Title: Increased rifampicin mono-resistance prevalence in Zimbabwe – Is the higher prevalence of codon 523 to 529 mutation in the *rpo B* gene an attributing factor?

10:15-11:00

Charambira K, International Union against Tuberculosis and Lung Disease, Zimbabwe

Sessions: Water, Aquaculture and Marine Microbiology | Pharmaceutical Microbiology | Food Microbiology | Environmental Microbiology | Microbial Biotechnology

Chair: Ayman Kamal El Essawy, Ain Shams University, Egypt

INTRODUCTION

Title: Implementation of new concentration technologies for microbiological recoveries in a drinking water system from Aquavalens project

11:00-11:30

G Saucedo, Aigües de Barcelona, Spain

Networking & Refreshments 11:30-11:50 @ Dunedin Bar Area

Title: Isolation, oxygen-tolerant domestication of anaerobic soy isoflavone metabolizing bacteria and the application of the microbial metabolites of soy isoflavones

11:50-12:20

Xiu-Ling Wang, Agricultural University of Hebei, China

Title: Diversity of wild non-*Saccharomyces* yeast population in must and wine during spontaneous wine fermentation

12:20-12:50

Gurakan G C, Middle East Technical University, Turkey

Title: Towards the development of new integrated ultrasonic filtration systems for monitoring waterborne pathogens

12:50-13:20

Abdelfateh Kerrouche, Edinburgh Napier University, UK

GROUP PHOTO 13:20–13:30

Lunch Break 13:30-14:10 @ Westview Restaurant

SPEAKER FORUM

- 14:10-14:40** **Title:** Agro-allied chemicals, environmental xenobiotics and insecticides resistance in *Anopheles gambiae* in Nigeria
Habibu U Abdu, Abertay University, UK
- 14:40-15:10** **Title:** Isolation, molecular characterization and extracellular enzymatic activity of culturable halophilic bacteria from hypersaline natural habitats
Samyah D Jastaniah, King Abdulaziz University, Saudi Arabia
- 15:10-15:40** **Title:** Use of NMR to determine compatible solutes in halophilic bacteria isolated from highly saline areas
Reda Hassan Amasha, King Abdulaziz University, Saudi Arabia

YOUNG RESEARCHER FORUM

- 15:40-16:00** **Title:** Production of antibody fragments with plasmid-based and genome integrated T7 *E. coli* expression systems – evaluation of systems performance in microtiter fed-batch like cultivations
Sophie Vazulka, University of Natural Resources and Life Sciences, Austria

Networking & Refreshments 16:00-16:20 @ Dunedin Bar Area

- 16:20-16:40** **Title:** Specificity and performance evaluation of a novel RNA-FISH probe for the identification of *Rhodotorula* sp., in cultural heritage materials
P Branco, Évora University, Portugal
- 16:40-17:00** **Title:** Antimicrobial potential of aerial parts of *Dichanthium annulatum* and *Ochthocloa compressa*
Iram Fatima, Quaid-i-Azam University, Pakistan

POSTER PRESENTATIONS 17:00–18:00 @ DUNEDIN BAR AREA

Poster Judge: Charambira K, International Union against Tuberculosis and Lung Disease

Panel Discussion

DAY-2

November 13, 2018

Networking & Lunch 12:30-13:30 @ Westview Restaurant

Awards & Closing Ceremony