

MICROBIAL BIOSYSTEMS' EDITORIAL BOARD

EDITOR-IN-CHIEF

A.M. **ABDEL-AZEEM**, Botany and Microbiology Department, Faculty of Science, University of Suez Canal, Egypt. E-mail: ahmed_abdelazeem@science.suez.edu.eg

DEPUTY EDITOR-IN-CHIEF

- L. **HAJJI-HEDFI**, Regional Centre of Agricultural Research of Sidi Bouzid, Tunisia.
V. K. **GUPTA**, Mohammed VI Polytechnic University, Morocco.
B. P. **SINGH**, National Institute of Food Technology Entrepreneurship & Management (NIFTEM), India.
T. S. **ABDELMONEIM**, University of Suez Canal, Egypt.
A. N. **YADAV**, Eternal University, India.
T. A. **MOHAMED**, Dental Basic Sciences Department, College of Dentistry, University of Duhok, Iraq.
B. A. **BALBOOL**, October University for Modern Sciences and Arts, Egypt.
Y. A. **EL-MARADNY**, University of Alexandria, Alexandria, Egypt.

ACADEMIC EDITORS

- A. **AL-JUDAIBI**, University of Jeddah, Kingdom of Saudi Arabia.
A. E. **MEKKY**, Al-Azhar University, Egypt.
A. H. **MOHAMED**, Agricultural Research Center (ARC), Egypt.
A. K. **AWASTHI**, Tsinghua University, China.
A. **NASSER**, University of the Punjab, Pakistan.
B. **NAJAR**, ULB – Faculty of Pharmacy, Campus Plaine, Brussels, Belgium.
D. **DAËSSI**, Centre of Biotechnology of Sfax (CBS), Tunisia.
D. H. **SHEIR**, National Research Centre, Egypt.
E. A. **HASSAN**, University of Assiut, Egypt.
E. **KHALIFA**, University of Matrouh, Egypt.
F. **ABO NOUH**, Suez Canal University, Egypt.
F. **DEGOLA**, University of Parma, Italy.
F. E. **YOUSSEF**, University of Ain Shams, Egypt.
F. **GUASMI**, Institute of Arid Lands of Medenine (IRA), Tunisia.
F. J. **MAHNNI**, Tripoli University, Libya.
F. J. **SIMÕES CALAÇA**, Universidade Estadual de Goiás, Brazil.
F. J. **SIMÕES CALACA**, University of Brasília, Brazil.
F. J. **TARIQ**, University of Health Sciences, Lahore, Pakistan.
G. D. **GODINEZ**, Universidad Autónoma de Tlaxcala, Mexico.
G. **DIFONZO**, University of Bari, Italy.
G. **GRADISTEANU**, University of Bucharest, Romania.
G. N. **TENEA**, Universidad Tecnica del Norte, Ecuador.
H. **ALFY**, Agricultural Research Center, Egypt.
H. F. H. **AL-ABEDI**, University of Al-Hamdaniya, Iraq.
H. R. **HASHIM**, University Al-Muthanna, Iraq.
I. H. **ALFAYYADH**, University of Thi-Qar, Iraq.
K. **SRIDHAR**, Department of Biosciences, Mangalore University, Karnataka, India.
M. A. **Abd EL AZEEM**, University of Sinai, Al-Arish, Egypt.
M. A. **ABDEL RAHMAN**, Faculty of Science, Suez Canal University, Egypt.
M. E. **AHMED**, College of Science, University of Baghdad, Iraq.
M. **ERASMUS**, University of the Free State, South Africa.
M. **MEFLEH**, University of Rome, Italy.
M. **MESKINI**, Microbiology Research Center (MRC), Pasteur Institute of Iran, Iran.
M. **SHARMA**, Haute Ecole Provinciale de Hainaut-Condorcet, Belgium.
M. T. **ABDEL-WARETH**, Theodor Bilharz Research Institute, Egypt.
M. M. M. **AL-RUFAIE**, University of Kufa, Iraq.
N. M. M. **ABDELMOTILIB**, City of Scientific Research and Technological Applications, Egypt.
N. **YOUSAF**, Government College University Lahore, Pakistan.
P. **ANGELINI**, University of Perugia, Italy.

P. **KUMARI**, Banaras Hindu University, India.
P. **RAZAGHI**, Institute of Microbiology, Chinese Academy of Sciences, China.
R. E. **MAAROUF**, Egyptian Atomic Energy Authority, Egypt.
R. H. **BAOHANTA**, Centre National de Recherches sur l'Environnement (CNRE), Madagascar.
R. **KUMAR**, National Fungal Culture Collection of India, India.
R. **MLIK**, National Institute of Agronomic Research of Algeria, Algeria
S. A. K. **AL-ZIADI**, University of Al-Qadisiyah, Iraq.
S. **AHMED**, Center of Expertise in Mycology, Radboudumc / Canisius Wilhelmina, the Netherland
S. **BASHIRI**, University of Kurdistan, Iran.
S. **GHOSH**, University of Nizwa, Oman.
S. M. **ABDULLAH**, University of Raparin, Iraq.
S. P. **ÁLVAREZ**, the Centro Interdisciplinario de Investigación para el Desarrollo Integral Regional, Mexico.
S. **R. NOUMEUR**, University of Batna 2, Algeria.
S. **SARWAR**, Lahore College for Women University, Pakistan.
S.A. **FAHLIYANI**, Islamic Azad University, Iran.
T. K. **MOHAMMED**, Institute of Medical Technology, Baghdad, Iraq.
T. N. S. **ISMAIL**, Food Industries and Nutrition Division, National Research Centre, Egypt.
T. R. **KINGE**, The University of Bamenda, Cameroon.
Z. A. D. **AL-SHAMMARRI**, University of Misan, Iraq.

ENGLISH EDITOR

N. S. **AKHTER**, University of Mae Fah Laung, Thailand

FEATURE EDITORS

N. **EMAD**, University of Suez Canal, Egypt.

Caption for cover image

Sarcoscypha coccinea , Serra da Lousã, Portugal by Vitor Gonçalves.