

The journal of

# NANOBIO AND BIONANO

Exploring Nano Space

---

## Editor-in-chief

**Dr. AMIR Syahir Amir Hamzah**

Dept. of Biochemistry

Universiti Putra Malaysia

---

## Associate Editor

**Dr. Yoshito ANDO**

Associate Professor

Eco-Town Collaborative R&D Center

Kyushu Institute of Technology, Japan

---

## Consulting Editor

**Prof. Dr. NOR ARIPIN Shamaan**

Faculty of Medicine and Health

Sciences,

Universiti Sains Islam Malaysia

---

## List of Editors

**Dr. MEGHIT Boumediene Khaled**

Associate Professor

Department of Biology,

Djillali Liabes University (UDLSBA),

Algeria

**Dr. PANDEY Shyam sudhir**

Associate Professor

Department of Biological Functions

Engineering,

Kyushu Institute of Technology, Japan

**Dr. MAHMOUD AbdEl-Mongy**

Associate Professor

Microbial Biotechnology Department,

Genetic Engineering and

Biotechnology Institute, Egypt

**Dr. Yuichi MANAKA**

Solar Light Energy Conversion Group

Energy Technology Research Institute,

The National Institute of Advanced

Industrial Science and Technology

(AIST), Japan

**Dr. Helmi Wasoh @ Mohamad Isa**

Department of Bioprocess Technology

Universiti Putra Malaysia

**Dr. Shinya IKENO**

Department of Biological Functions  
and Engineering,

Kyushu Institute of Technology, Japan

**Dr. YOSE Buys Facmi**

Kulliyyah Of Engineering,

International Islamic University,

Malaysia,

**Dr. ALI Karami Varnamkhasti**

Head

Laboratory of Aquatic toxicology,

Universiti Putra Malaysia

---

## Editorial Assistant

**Muhamad AKHMAL Hakim Roslan**

**TAKIYUDDIN Saifullah**