



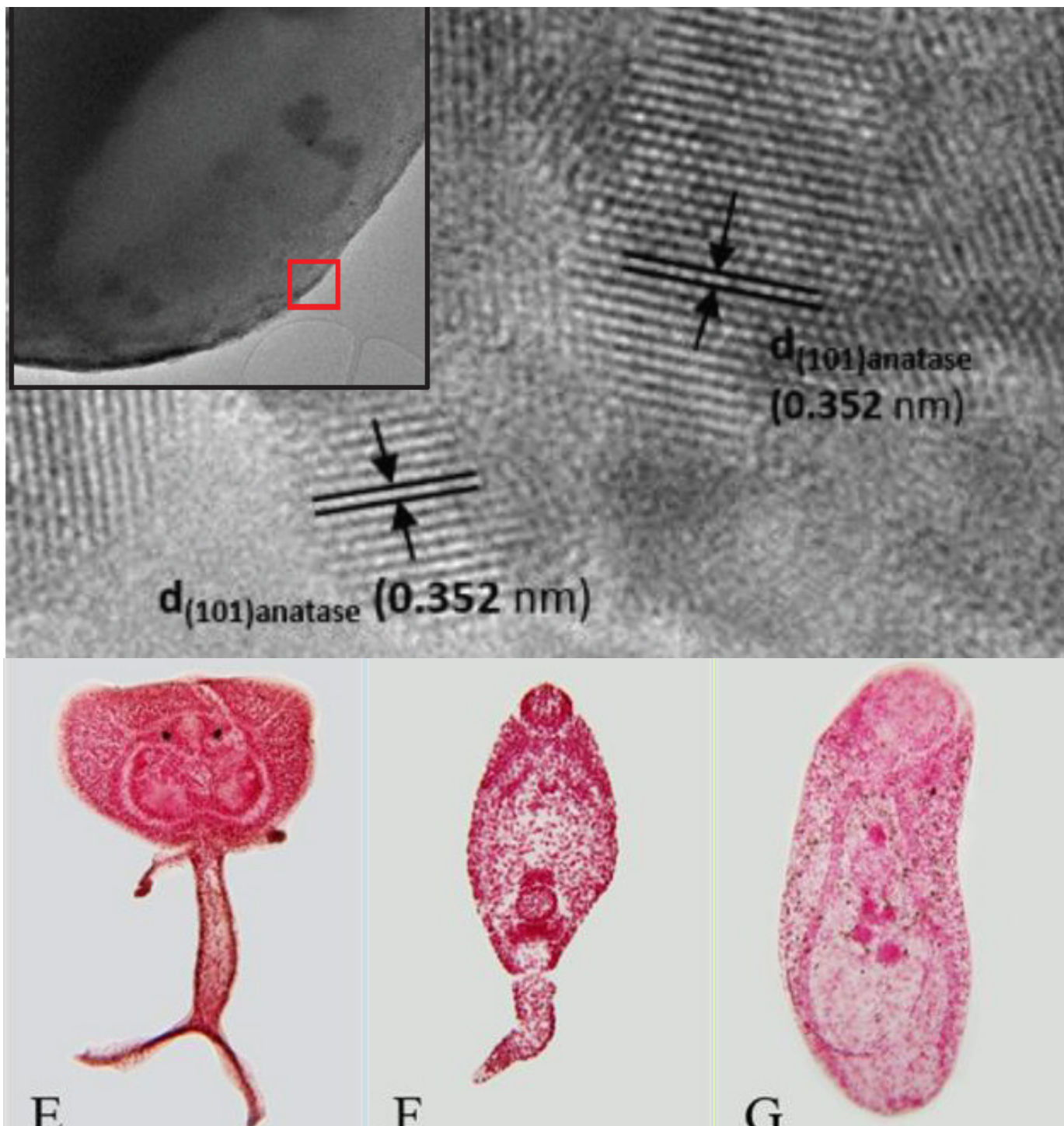
Microscopy and Microanalysis Research

- The Journal of The Microscopy Society of Thailand

Volume 33 (2)

ISSN: 2651-2297 (online)

July-December 2020





Microscopy and Microanalysis Research

- The Journal of The Microscopy Society of Thailand

Journal Home Page: <https://www.tci-thaijo.org/index.php/mmres/>

**Microsc.
Microanal.
Res.**

PREFACE

Microscopy and Microanalysis Research-The Journal of The Microscopy Society of Thailand (Microsc. Microanal. Res.) is formerly known as *Newsletter Electron Microscopy Society of Thailand* (1984-1987), the *Journal of the Electron Microscopy Society of Thailand (JEMST Vol. 1-21, 1987-2016)* and the *Journal of Microscopy Society of Thailand (JMST Vol. 22-29, 2008-2016)*. The journal title has been changed to *Microsc. Microanal. Res.* since January 2017 (Vol. 30, No.1, January-July 2017) to get more attention from international readers and authors.

Microsc. Microanal. Res. publishes original research articles two volumes a year. Articles include the applications of microscopy and microanalysis to important problems in the fields of physical science and biological science. The originality and significance of the research and the quality of the microscopy or microanalysis involved are the criteria for acceptance of manuscripts.

This issue contains six papers, four of which are in the field of physical science and another two are in biological science.

Torranin Chairuangsrri

Editor-in-chief



Microscopy and Microanalysis Research

- The Journal of The Microscopy Society of Thailand

Journal Home Page: <https://www.tci-thaijo.org/index.php/mmres/>

**Microsc.
Microanal.
Res.**

EDITORIAL BOARD

Physical Science

Chanchana THANACHAYANONT	National Metal and Materials Technology Center	Thailand
Chris BOOTHROYD	Nanyang Technological University	Singapore
Jer-ren YANG	National Taiwan University	Taiwan
Kenji TSUDA	Tohoku University	Japan
Thapanee SARAKONSRI	Chiang Mai University	Thailand
Torranin CHAIRUANGSRI	Chiang Mai University	Thailand

Biological Science

Chalobol WONGSAWAD	Chiang Mai University	Thailand
George W YIP	National University of Singapore	Singapore
Jong Yi CHAI	Seoul National University College of Medicine	Korea
Krai MEEMON	Mahidol University	Thailand
Suratwadee JIWAJINDA	Kasetsart University (Kamphaeng Saen Campus)	Thailand
Wisuit PRADIDARCHEEP	Srinakharinwirot University	Thailand
Angkhana Inta	Chiang Mai University	Thailand

Journal Managers

Sankum NUSEN	Chiang Mai University	Thailand
Nattapol LAORODPAN	Maejo University	Thailand
Yothin CHIMUPALA	Chiang Mai University	Thailand
Preeyaporn BUTBOONCHOO	Chiang Mai University	Thailand



Microscopy and Microanalysis Research

- The Journal of The Microscopy Society of Thailand

Journal Home Page: <https://www.tci-thaijo.org/index.php/mmres/>

**Microsc.
Microanal.
Res.**

Volume 31 (1)

January-June 2018

CONTENTS

Physical Science

- Authenticity Screening for N95 Filtering Facepiece Respirator (FFR) by Field Emission Scanning Electron Microscope (FE-SEM) in Comparison with Particulate Filtration Efficiency (PFE) Analysis 1
C. Tongyam, S. Potiwiput, K. Tumkhanon, T. Sitthiwani, S. Chayanun, P. Intra and B. Lohwongwatana
- Nanostructure and Electrochemical Performance of SiGe/Nitrogen-doped Graphene Nanocomposite for Use as Anode Materials for Lithium-ion Batteries 6
T. Autthawong, T. Promanan, B. Chayasombat and T. Sarakonsri
- TiO₂ Nanoparticles Graphene Composite for Photocatalytic Application 11
P. Pungetmongkol, M. Sonnooch, S. Kanpittaya and W. Srituravanich
- Synthesis and Characterization of TiO₂ Nanoparticles Deposited on Porous Carbon Material for Dye Removal by Absorption and Photocatalytic Processes 16
C. Phomma, S. Worasan, A. Siyasukh and Y. Chimupala

Biological Science

- Diversity of Helminths in Freshwater Snails from Thaksin University, Phatthalung Province 20
T. Jongwang, T. Nunum, P. Wannawas and T. Yooyen
- First Report, Prevalence, and Molecular Identification of *Lecithocladium Crisatum* in the Black Pomfret Fish, *Parastromateus niger* (Family: Carangidae) 24
L. Oopkaew, S. Kaewphetmadan, W. Bunprasert and T. Chontanarith