

[VOL. 106 DEC. 2020](#)





---

## Research

### UMP Bio-inspired Nanocoolant environmentally friendly refrigerant

4 December 2020

PEKAN, 12 November 2020 - Many problems are faced by vehicle owners, car operators systems.

They need an environmentally friendly cooling fluid or engine coolant that can dissipate heat

It also plays a vital role in determining how vehicles operate properly and need to be maintain

---



---

## Awards

### SeaFilm Research Product bags ITEX Special Awards 2020

4 December 2020

PEKAN, 21 November 2020 – SeaFilm Research Product (SF): Active Food Packaging Film of Engineering, Universiti Malaysia Pahang (UMP), Dr. Nurul Aini Mohd Azman bagged the International Invention, Innovation & Technology Exhibition 2020 (ITEX 2020) which was co-organized by the Ministry of Education, Malaysia, and the Ministry of Science, Technology and Innovation, Malaysia, in 2020.

SeaFilm (SF) is created as active biodegradable food packaging plastics not only used as food packaging but also to extend the shelf life of food.

---



---

## Experts

### A Decade of German Engineering Education Collaboration: Past, Present and Future

2 December 2020

The year 2020 marks a milestone in the history of academic collaboration between Universiti Malaysia Perlis (UMP) and its German partners, the Karlsruhe University of Applied Sciences (HsKA) and Reutlingen University. In 2009, the Malaysian Government instructed the Malaysian Technical Universities Network (MTUN) to monitor and support the *Fachhochschule* programme in Germany. Unhesitatingly, UMP took the challenge and began its collaboration with HsKA in November 2009.

### PATRON

Professor Ir. Dr. Wan Azhar Wan Yusoff

### EDITOR-IN-CHIEF

Muhammad Azli Shukri

### EDITOR

Safriza Haji Baharuddin

### CONTRIBUTORS

Mimi Rabita Abdul Wahit  
Nur Hartini Mohd Hatta  
Nor Salwana Mohammad Idris

### WEB MASTER

Mohd Suhaimi Hassan

### DESIGNER

Azman Md Diah  
Noor Azhar Abd Rasid  
Mohd Zulkifly Hamzah

### PHOTOGRAPHER

Khairu Aidilnisha Rizan Jalil  
Muhammad Naufal Samsudin

### PUBLICATION ASSISTANT

Hafizatulazlin Abd Aziz

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or by any means, including but not limited to electronic, mechanical, photocopying, recording or by any information storage and retrieval system, without prior agreement and written permission from the Universiti Malaysia Pahang. The publisher is not responsible towards any losses experienced by the user of the information, images, colors, sizes, typography and copyright and may not reproduced. For more news, please forward to:

### EDITOR

Penerbit UMP  
Universiti Malaysia Pahang  
26600 Pekan  
Pahang Darul Makmur  
Tel. : 09-424 5057  
Fax : 09-424 5055  
e-Mail : [safriza@ump.edu.my](mailto:sufriza@ump.edu.my)