



100 years of PHA research

ISBP 2024

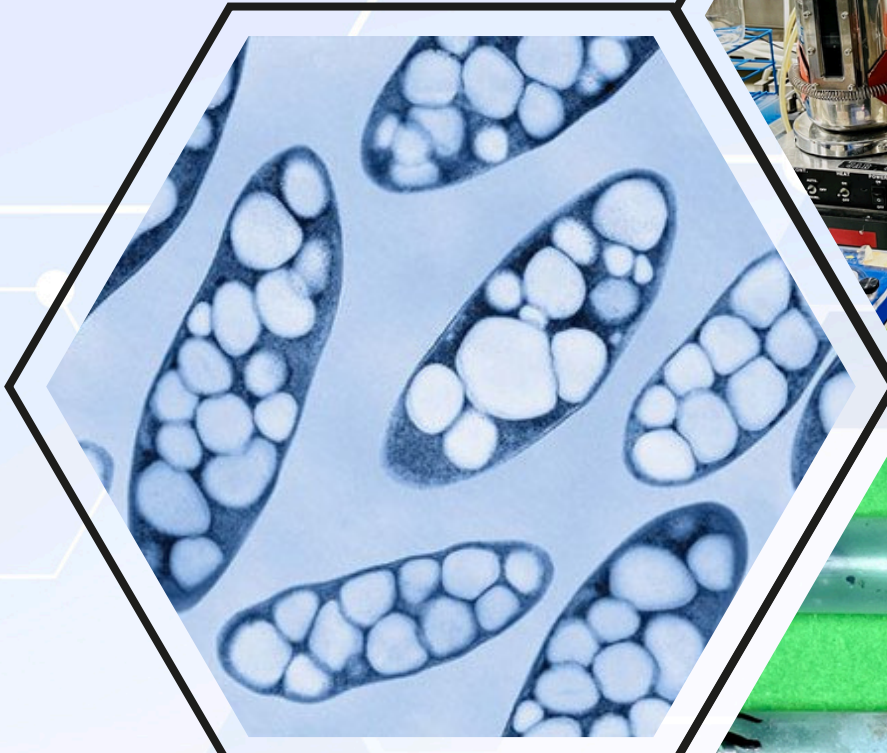
Towards Safe and Sustainable
Biopolymers for our Future



USM

UNIVERSITI SAINS MALAYSIA

2nd
Announcement



Invitation

Dear Colleagues,

The International Symposium on Biopolymers (ISBP) has established itself as a successful conference series dedicated to the exploration of biopolymers. Since its inaugural meeting in Toronto in 1988, the symposium has been held biennially, traversing cities such as Barcelona in 1990, Göttingen in 1992, Montreal in 1994, Davos in 1996, Tokyo in 1998, Cambridge in 2000, Münster in 2002, Beijing in 2004, Minneapolis in 2006, Auckland in 2008, Stuttgart in 2010, Cairns in 2012, Santos in 2014, Madrid in 2016, Beijing in 2018, and most recently, Sion, Switzerland, in 2022. With great delight, we announce the 19th edition, ISBP-2024, scheduled to take place from October 20 to 23 on the beautiful Penang Island of Malaysia.

The ISBP-2024 aims to showcase the latest advancements in various aspects of biopolymers with the theme of 'Towards Safe and Sustainable Biopolymers for our Future'. The topics to be explored include engineering advances in biopolymer synthesis, biosynthesis and characterization of novel biopolymers, exploring building blocks for bio-based polymers, biodegradation pathways, environmental impacts of biopolymers, sustainable feedstocks for biopolymer production, challenges in industrial production of biopolymers, PHA waste management, exploration of other biopolymers and bio-based polymers, applications of novel biopolymers in various industries, and rubber biosynthesis and biodegradation.

The ISBP-2024 logo draws inspiration from the unique appearance of polyhydroxyalkanoate (PHA) granules, a type of storage polymer that accumulates within bacterial cells. The logo ingeniously incorporates the essence of these granules by subtly integrating their visual representation into the letter 'B', resulting in a captivating design.

We anticipate that ISBP-2024 will stimulate further advancements in the realm of environmentally friendly polymers and their diverse applications. We are particularly excited to organize this event in conjunction with the commemoration of 100 years of research in PHA, initiated by the French researcher Maurice Lemoigne in 1926. Your participation holds immense value, and we extend our sincere gratitude for your contribution.

We are eagerly looking forward to welcoming you to the enchanting Penang Island, which CNN Travel has listed among the top 22 Best Destinations to Visit (2022).

Prof. Kumar Sudesh
Chair, ISBP-2024
Universiti Sains Malaysia

Organizer

School of Biological Sciences
11800, Universiti Sains Malaysia
Penang, Malaysia
Prof. Kumar Sudesh
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Scientific Committee

Prof. Alexander Steinbüchel	(ICRI-BioM, Poland)
Prof. Ann-Christine Albertsson	(KTH Royal Institute of Technology, Sweden)
Prof. Anthony J. Sinskey	(Massachusetts Institute of Technology, USA)
Prof. Bernd Rehm	(Griffith University, Australia)
Prof. Dieter Jendrossek	(University of Stuttgart, Germany)
Prof. Georg Gübitz	(University of Natural Resources and Life Sciences, Austria)
Prof. George Guo-Qiang Chen	(Tsinghua University, China)
Prof. Kevin O' Connor	(University College Dublin, Ireland)
Prof. Kumar Sudesh	(Universiti Sains Malaysia, Malaysia)
Prof. Luiziana Ferreira da Silva	(University of Sao Paulo, Brazil)
Prof. M. Auxiliadora Prieto	(Spanish National Research Council, Spain)
Prof. Manfred Zinn	(University of Applied Sciences and Arts, Switzerland)
Prof. Maria A.M. Reis	(NOVA University Lisbon, Portugal)
Prof. Marti Roger	(University of Applied Sciences and Arts, Switzerland)
Prof. Richard Alan Gross	(Rensselaer Polytechnic Institute, USA)
Prof. Sang Yup Lee	(Korea Advanced Institute of Science & Technology, Korea)
Prof. Tadahisa Iwata	(University of Tokyo, Japan)

Scientific Topics

Biosynthesis and characterization of novel biopolymers

Exploring building blocks for bio-based polymers

Biodegradation pathways

Environmental impacts of biopolymers

Exploration of other biopolymers and bio-based polymers

Applications of novel biopolymers in various industries

Rubber biosynthesis and biodegradation

Sustainable feedstocks for biopolymer production

Challenges in the industrial production of biopolymers

Engineering advances in biopolymer synthesis

PHA waste management

Plenary Speakers

Prof. Bernd Rehm

Prof. George Guo-Qiang Chen

Prof. M. Auxiliadora Prieto

Prof. Sang Yup Lee

Prof. Tadahisa Iwata

(Griffith University, Australia)

(Tsinghua University, China)

(Spanish National Research Council, Spain)

(Korea Advanced Institute of Science and Technology)

(University of Tokyo, Japan)

Keynote Speakers

Dr. James Winterburn

Prof. Alexander Steinbüchel

Prof. Dieter Jendrossek

Prof. Ipsita Roy

Prof. Jasmina Nikodinovic-Runic

Prof. Keiji Numata

Prof. Kenichiro Matsumoto

Prof. Kevin O' Connor

Prof. Li Jun

Prof. Manfred Zinn

Prof. Maria A.M. Reis

Prof. Rajni Hatti-Kaul

Prof. Stanislav Obruca

Prof. Takeharu Tsuge

(The University of Manchester, England)

(ICRI-BioM, Poland)

(University of Stuttgart, Germany)

(University of Sheffield, United Kingdom)

(University of Belgrade, Serbia)

(Kyoto University and RIKEN, Japan)

(Hokkaido University, Japan)

(University College Dublin, Ireland)

(National University of Singapore, Singapore)

(University of Applied Sciences and Arts, Switzerland)

(NOVA University Lisbon, Portugal)

(Lund University, Sweden)

(Brno University of Technology, Czech Republic)

(Tokyo Institute of Technology, Japan)

Event Calendar

Date	Morning	Afternoon	Evening
20 th October 2024	Science Fair	Registration & Welcome Reception	
21 st October 2024	Opening, Oral & Poster Session		Excursion
22 nd October 2024	Oral & Poster Session		Gala Dinner
23 rd October 2024	Industry Day, Oral Session and Closing Ceremony		

Registration

Please complete the [Registration form](#) before **30th June (Early bird)** or **30th Sept, 2024** (Regular).

Registration fee

PARTICIPATION CATEGORY	EARLY BIRD (Until 30 th June 2024)		REGULAR (1 st July to 30 th Sept 2024)	
	LOCAL (MYR)	INTERNATIONAL (USD)	LOCAL (MYR)	INTERNATIONAL (USD)
STUDENT	1500	350	2000	450
RESEARCHER & INDUSTRIAL EXPERT	2500	600	3000	700

Call for Papers

You can register as an oral (limited) or a poster presenter. Each registered participant is eligible for one presentation only. Please submit an abstract using the [abstract template](#) prepared by our Scientific Committee. The official language is English, and selected papers will be published in [Elsevier's Polymer Degradation and Stability](#) (IF: 5.9). Participants can submit papers to the Conference Special Issue, which will be open from **23rd October, 2024** onwards. The Registration & Abstract Submission Deadline is **30th June, 2024**, and adherence to these guidelines will facilitate the review process by the Scientific Committee. We appreciate your contributions and look forward to your active participation.

Presentation

The allotted time for each speaker including Q&A session is as follows:

- Plenary : 30 minutes
- Keynote : 20 minutes
- Invited : 15 minutes
- Oral : 15 minutes

The lecture venue will have a laptop and a projector for presentations.





Poster

Poster installation will commence on Sunday (20th Oct) after registration. Please note that authors are responsible for mounting their posters on the designated boards and removing them after the conclusion of the Symposium. The maximum dimensions allowed for the posters are A0 (84.1 cm x 118.9 cm).

Industry Day

(Co-organised with GO!PHA and Malaysian Bioeconomy Corporation)

On Wednesday, 23rd Oct 2024, Industry Day will centre around the latest advancements in the production, processing, and application of biopolymers in Malaysia and worldwide. Additionally, there will be awards and closing ceremonies, along with the announcement of ISBP 2026. Below are the awards that will be given:

-  ISBP Lifetime Achievement Award
-  Bernard Witholt PHA Award
-  Industry Award
-  Best poster

Sponsorship Reference

SOLD

Diamond

RM100,000

- Co-sponsor of symposium
- 1 VIP invited to the inaugural ceremony
- 6 Full access voucher
- Oral and poster presentation
- Logo on printed final program
- Logo on the event website
- Logo on the conference material
- Acknowledgement in the inaugural address
- Exhibition booth
- Insert in the delegate bag
- 1 page size advertisement in abstract book
- Certificate of appreciation

Platinum

RM50,000

- 3 Full access voucher
- Oral and poster presentation
- Logo on printed final program
- Logo on event website
- Logo on conference material
- Acknowledgement in inaugural address
- Exhibition booth
- Insert in the delegate bag
- 1 page size advertisement in abstract book
- Certificate of appreciation

Gold

RM25,000

- 2 Full access voucher
- Logo on printed final program
- Logo on the event website
- Logo on the conference material
- Acknowledgement in the inaugural address
- Exhibition booth
- Insert in the delegate bag
- 1 page size advertisement in the abstract book
- Certificate of appreciation

Silver

RM15,000

- 1 Full access voucher
- Logo on event website
- Logo on conference material
- Acknowledgement in inaugural address
- Exhibition booth
- Insert in the delegate bag
- 1/2 page size advertisement in abstract book
- Certificate of appreciation

[Sponsor Now](#) 

Accommodation

For your convenience, we recommend booking accommodations near the symposium venue, Setia SPICE Convention Centre in Penang, Malaysia.

Recommended Hotels:

- [1. Amari SPICE Penang \(5-star\): 190m from SPICE.](#)
- [2. Olive Tree Hotel \(4-star\): 550m from SPICE.](#)
- [3. AC Hotel by Marriott Penang: 1.5km from SPICE.](#)
- [4. Eastin Hotel Penang: 3km from SPICE.](#)

Contact hotels directly for reservations, modifications, or cancellations. Ensure a seamless symposium experience by choosing one of our recommended accommodations.

Location

Setia SPICE Convention Centre, SPICE
No. 108C, Jalan Tun Dr. Awang, 11900, Penang, Malaysia.

Accessibility



Contact Information

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Universiti Sains Malaysia
11800, Penang, Malaysia
ISBP-2024 Secretariat
E-mail: isbp2024@gmail.com
Website: isbp2024.com

Important Deadline

Before **30th June 2024** you need to complete the following processes:

- Registration
- Hotel reservation (Recommended)
- Abstract submission

About Penang- The Pearl of the Orient

Penang, in northwest Malaysia, is a captivating state with mainland Seberang Perai and Penang Island. George Town, the bustling capital, showcases cultural influences in landmarks like Fort Cornwallis and Khoo Kongsi clan house. Known as the Pearl of the Orient, Penang Island is a densely populated urban center with a rich trading port history. Modernity meets heritage in George Town's UNESCO zone, with a skyline blending colonial relics, Chinese shophouses, and Buddhist temples. Guided tours reveal panoramic views from Penang Hill, visits to Kek Lok Si temple, and leisure on Batu Ferringhi beach. Food delights include coconut laksa and prawn fritters, while nature lovers explore Monkey Beach and Pulau Payar Marine Park.