

ALUMNI NEWSLETTER

Department of Biology
Hong Kong Baptist University

ISSUE 5
August 2025

Academic Staff 2024-25



Prof. ZHAO, Zhongying
趙中應教授
Professor



Prof. ZHANG, Jianhua
張建華教授
Chair Professor



Prof. QIU, Jianwen
邱建文教授
Associate Head of
Department & Professor



Prof. LI, Jianming
李建明教授
Head of Department
Chair Professor



Prof. XIA, Yiji
夏亦齊教授
Chair Professor



Prof. WONG, Chris Kong Chu
黃港仕教授
Professor & Associate Dean of
Faculty of Science



Prof. YANG, Zhu
楊鵬教授
Assistant Professor



Prof. PRADHAN, Nirakar
Assistant Professor



Prof. ZHAO, Jun
趙峻教授
Associate Professor



Prof. CHEUNG, Allen Ka Loon
張嘉龍教授
Associate Professor



Prof. CHIU, Jill Man Ying
招文瑛教授
Associate Professor



Prof. LEE, Chi Wai
李志偉教授
Associate Professor



Prof. LIAO, Pan
廖攀教授
Assistant Professor



Prof. LI, Baiying
李白穎教授
Assistant Professor



Prof. BI, Yang
畢陽教授
Assistant Professor



Dr. WU, Haoxiang
吳浩翔博士
Lecturer II



Dr. YUE, Patrick Ying Kit
余英傑博士
Senior Lecturer



Dr. LEUNG, Anna Oi Wah
梁愛華博士
Senior Lecturer



Dr. CHAN, Veronica Wai Yee
陳慧儀博士
Lecturer II



Dr. Tan Huijuan
譚慧娟博士
Research Assistant Professor



Dr. XIE Dongying
謝冬迎博士
Research Assistant Professor



Dr. Zhang Hailei
張海磊博士
Research Assistant Professor



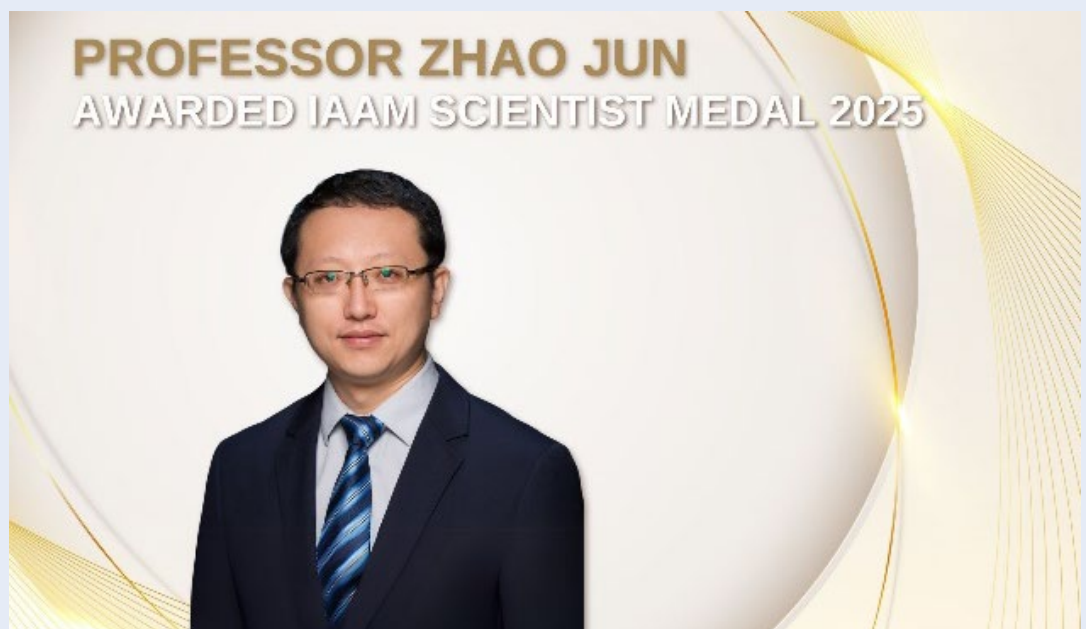
Dr. Yan Hong
閻紅博士
Research Assistant Professor

Research Achievements

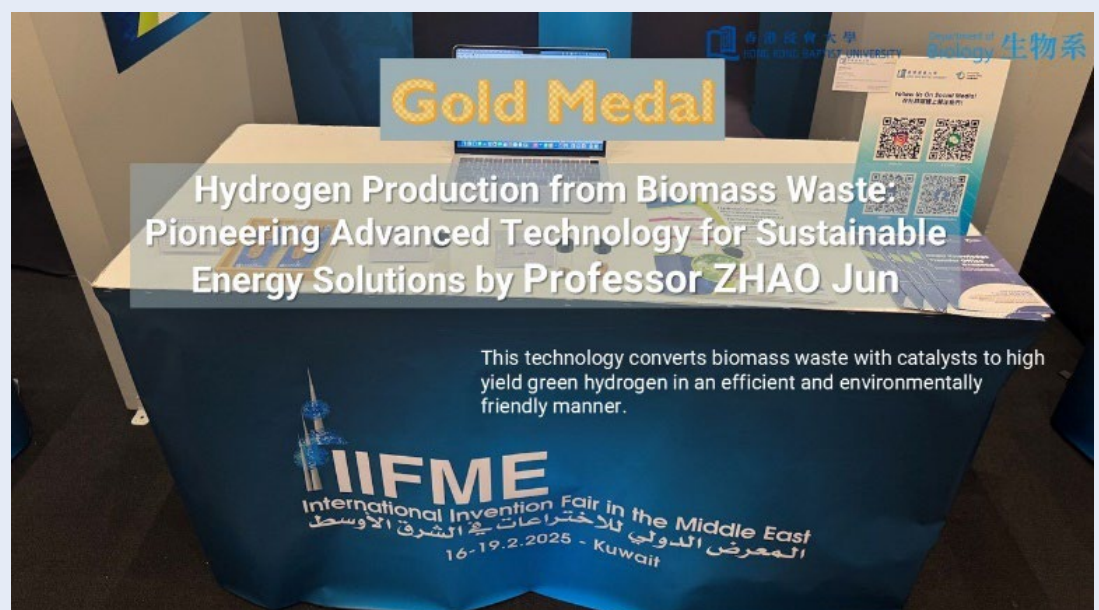
Prof, Zhang Jianhua Rank Among World's Top 100 Scientists in Mathematics, and Plant Science and Agronomy by Research.com ([more](#))



Prof. Zhao Jun Awarded IAAM Scientist Medal 2025 ([more](#))



Prof. Zhao Jun has received the Gold Medal at the 15th International Invention Fair in the Middle East ([more](#))



Research Achievements

The First in Hong Kong: HKBU's Professor Qiu Jianwen Ventures into the Depths with the Jiaolong Submersible ([more](#))



Our Department was honored to join the Guangdong-Hong Kong-Macao University Alliance for Biodiversity as a founding member, under the framework of the Guangdong-Hong Kong-Macao University Alliance ([more](#))



Research Achievements

50th International Exhibition of Inventions Geneva

Prof. Chiu, Jill Man Ying, Prof. Zhao Jun and Prof. Liao Pan has garnered awards including the two Gold Medal and one Gold Medal with Congratulations of the Jury at the 50th International Exhibition of Inventions in Geneva ([more](#))

Gold Medal with Congratulations of the Jury

A method to produce an unusual monoterpenoid

Professor Liao Pan

This invention provides a cost-effective method for producing an unusual monoterpene compound commonly used in the perfume and fragrance industry. The method is expected to be less expensive than traditional approaches and more environmental-friendly.

Gold Medal

Advanced catalysts and catalytic systems for green hydrogen production from biomass waste

Professor Zhao Jun

An advanced catalytic system that converts wet and dry waste such as food waste, wastepaper and yard waste into hydrogen, offering high efficiency, low operating costs and energy savings. It can operate in conditions with low temperature and pressure. Theoretically it is capable of achieving up to a maximum of 88% hydrogen output from biomass waste, which offers a sustainable yet economical alternative to traditional hydrogen production.

Gold Medal

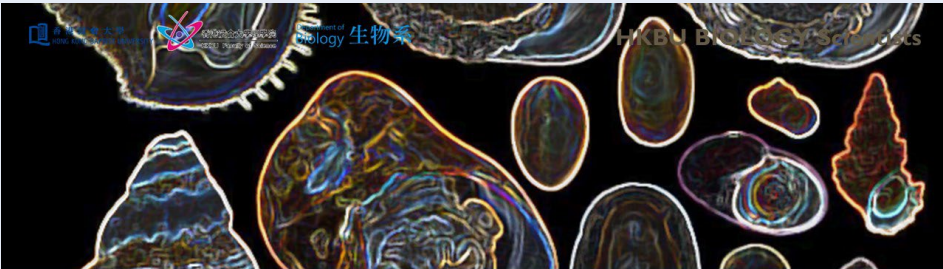
Broad absorption spectrum for sunscreen compounds and its applications

Professor Jill Chiu

This advanced sunscreen technology utilises patented, FDA-approved compounds to provide broad-spectrum protection covering UVA, UVB, near-UV, and visible light spectra, which is a wider coverage than traditional sunscreens. By immobilising UV filters, these compounds eliminate the endocrine-disrupting and carcinogenic risks associated with chemical sunscreens while preventing skin absorption.

Research Achievements

General Research Fund 2025-26

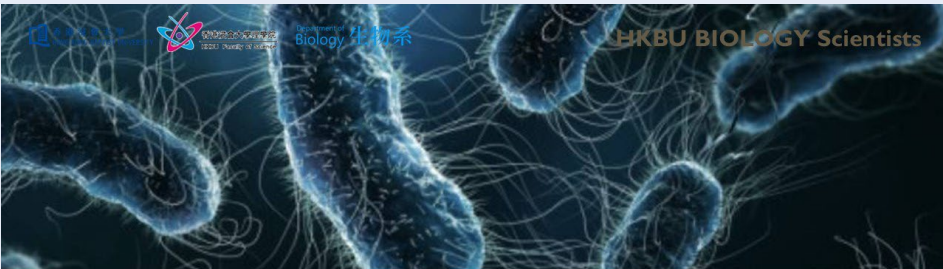


SEVEN PROJECTS HAVE BEEN AWARDED GENERAL RESEARCH FUND 2025/26

Prof. Qiu Jianwen

Revealing Temporal and Spatial Patterns of Genetic Diversity in Human-harvested Molluscs through High-throughput Sequencing Ancient and Contemporary DNA

HK\$1,303,368

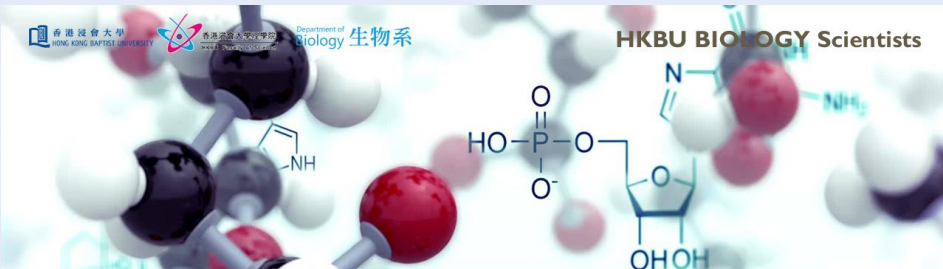


SEVEN PROJECTS HAVE BEEN AWARDED GENERAL RESEARCH FUND 2025/26

Dr Zhang, Hailei

Understanding the Role of NAD-asGlpF in Regulating Glycerol Utilization Genes in E. coli

HK\$1,286,040

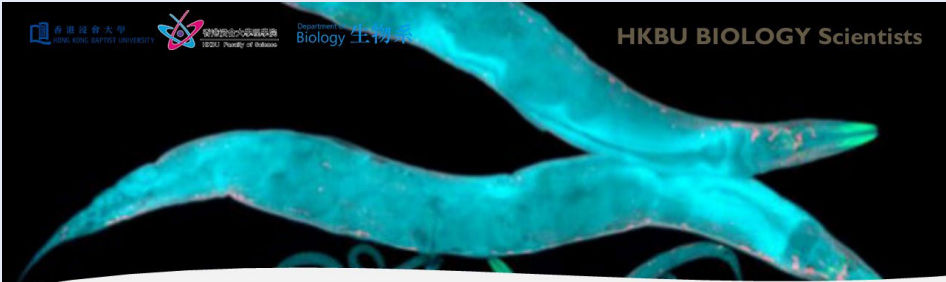


SEVEN PROJECTS HAVE BEEN AWARDED GENERAL RESEARCH FUND 2025/26

Prof ZHAO, Jun

Aqueous Photocatalytic Oxidation of Biomass-Derived 5-Hydroxymethylfurfural for Customizable Product Synthesis

HK\$1,124,471

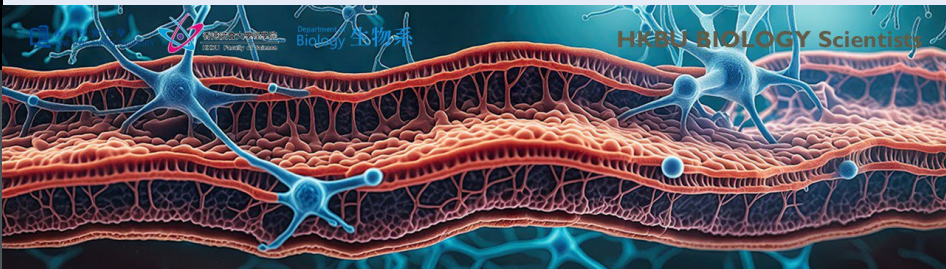


SEVEN PROJECTS HAVE BEEN AWARDED GENERAL RESEARCH FUND 2025/26

Dr Xie, Jeffrey, Dongying

Deciphering the molecular basis of incompatibility between a novel speciation gene pair in nematode species hybrids

HK\$1,278,338

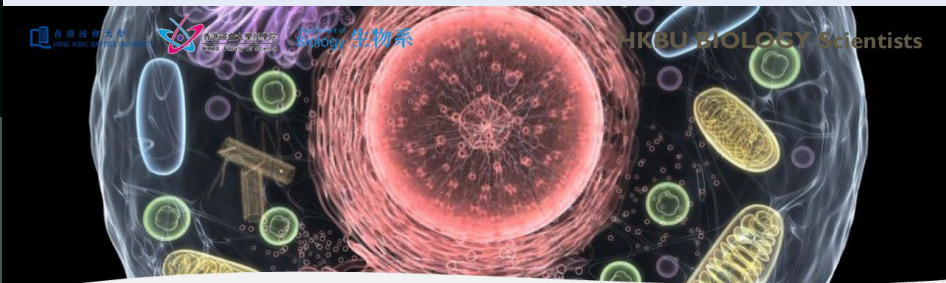


SEVEN PROJECTS HAVE BEEN AWARDED GENERAL RESEARCH FUND 2025/26

Prof. Lee Chi Wai

Mechanobiological regulation of the assembly and topological maturation of postsynaptic apparatus at developing neuromuscular synapses

HK\$1,381,520

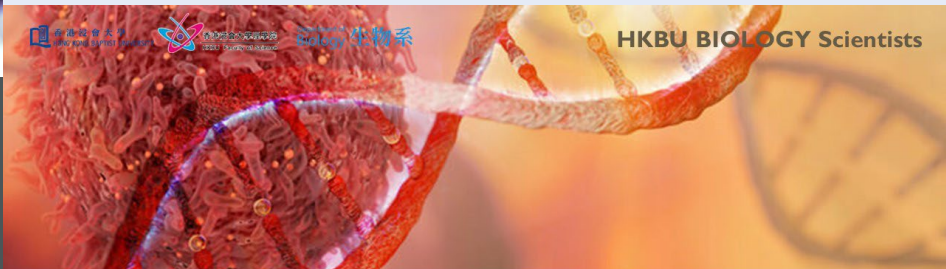


SEVEN PROJECTS HAVE BEEN AWARDED GENERAL RESEARCH FUND 2025/26

Prof. BiYang

Dissect O-fucosylation- and O-GlcNAcylation-mediated modulation of EIN2 processing and activities in mediating ethylene signaling and sugar responses

HK\$1,554,211



SEVEN PROJECTS HAVE BEEN AWARDED GENERAL RESEARCH FUND 2025/26

Prof. Zhao Zhongying

Molecular characterization of a maternal effect hybrid lethality locus on the chromosome II between Caenorhabditis briggsae and C. nigoni

HK\$1,554,211

Student Achievements




香港浸會大學
HONG KONG BAPTIST UNIVERSITY

Department of
Biology 生物系

HKBU PhD Student
Wang Peixin
Receives Best Poster Award at
International Conference on
Solid Waste 2025





香港浸會大學
HONG KONG BAPTIST UNIVERSITY


Department of
Biology 生物系

暨自然教育论坛
The Forum on International Day For Biodiversity 2025
cum Nature Education Forum, Hengqin

主办单位:
横琴粤澳深度合作区城市规划和建设局
北师大香港浸会大学生命科学系

协办单位:
珠海大横琴琴建发展有限公司
珠海市观鸟协会

支持单位:
广东省/珠海市
北师大香港浸会大学
技术交叉中心
环境数据



香港浸會大學
HONG KONG BAPTIST UNIVERSITY

Department of
Biology 生物系

FIRST PRIZE AWARD FOR
PRESENTATION AT THE FORUM
ON INTERNATIONAL DAY FOR
BIODIVERSITY 2025 CUM
NATURE EDUCATION FORUM
IN HENGQIN

PHD STUDENT, MS. DAI QI



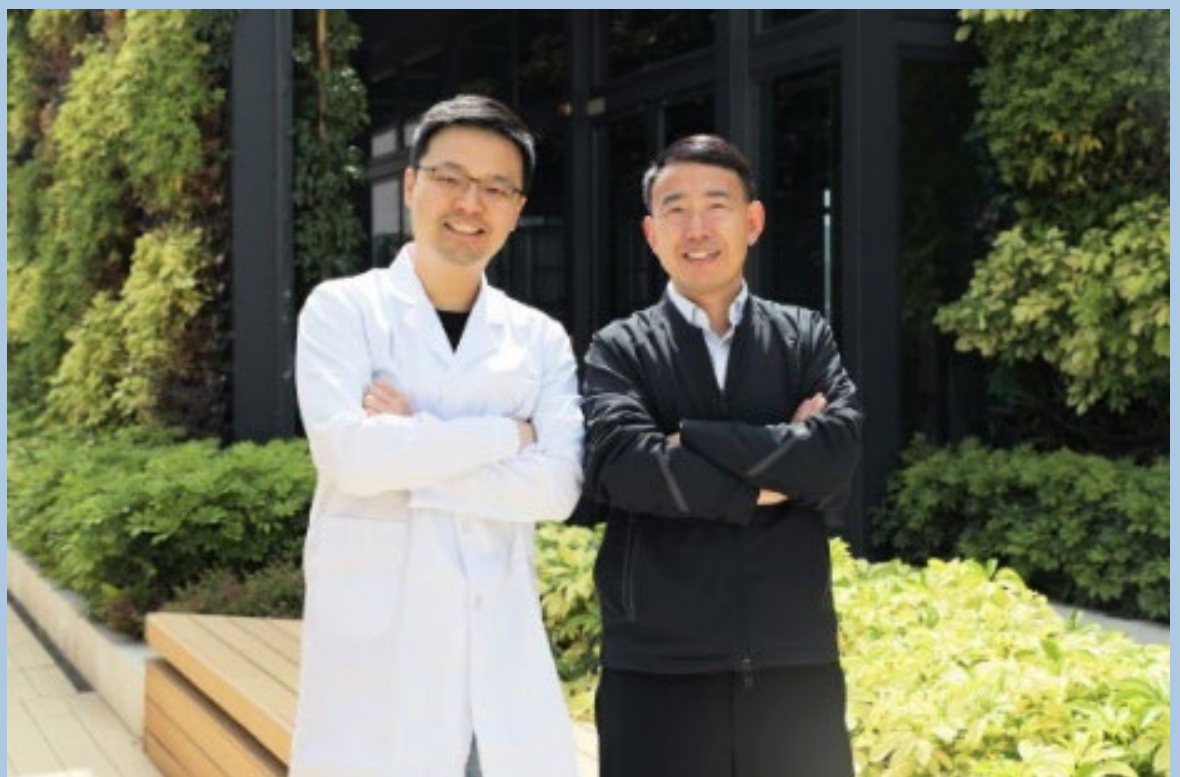
Our Year 4 students Yip Kong Kuen and Leung Hoi Laam have received the prestigious ASMPT Technology Award 2024

Research Spotlight

The research team, led by Prof. Qiu Jianwen, has named the new species *Placuna aestuaria* and *Placuna vitream* ([more](#))

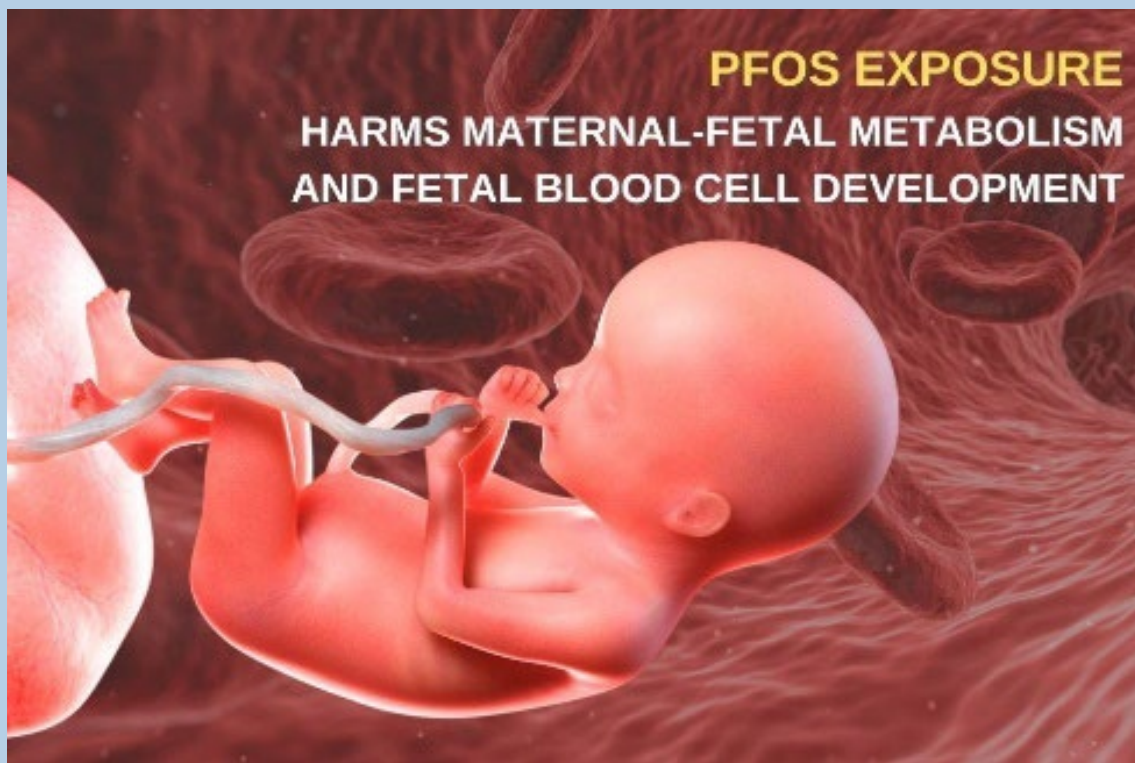


Prof. Zhao Zhongying and Dr Jeffrey XIE Dongying have made a remarkable discovery that could change our understanding of how species survive in the face of disease, shedding light on the complex interactions between hosts and pathogens ([more](#))

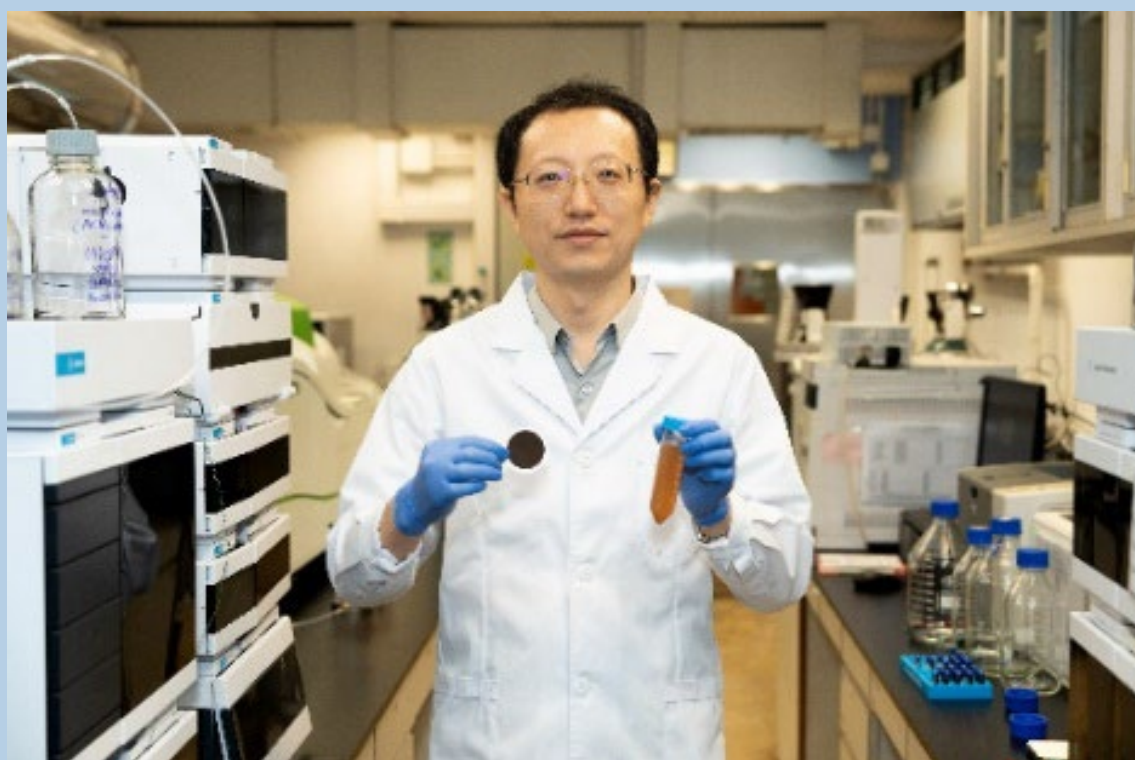


Research Spotlight

Prof. Chris Wong and his research team revealed that PFOS exposure harms maternal-fetal metabolism and fetal blood cell development ([more](#))



Led by Prof. Zhao Jun, the research team develops New Catalytic Membrane that Boosts Efficiency of Cleaning Wastewater Using Oxygen ([more](#))



Research Spotlight

Prof. Xia Yiji and his research team discovered that plant and algal mRNAs have different cap structures compared to those of animals ([more](#))



Prof. Lee Chi Wai with his research team reveals significant insights into muscle-generated BDNF's role in muscle biology and NMJ development ([more](#))



Research Spotlight

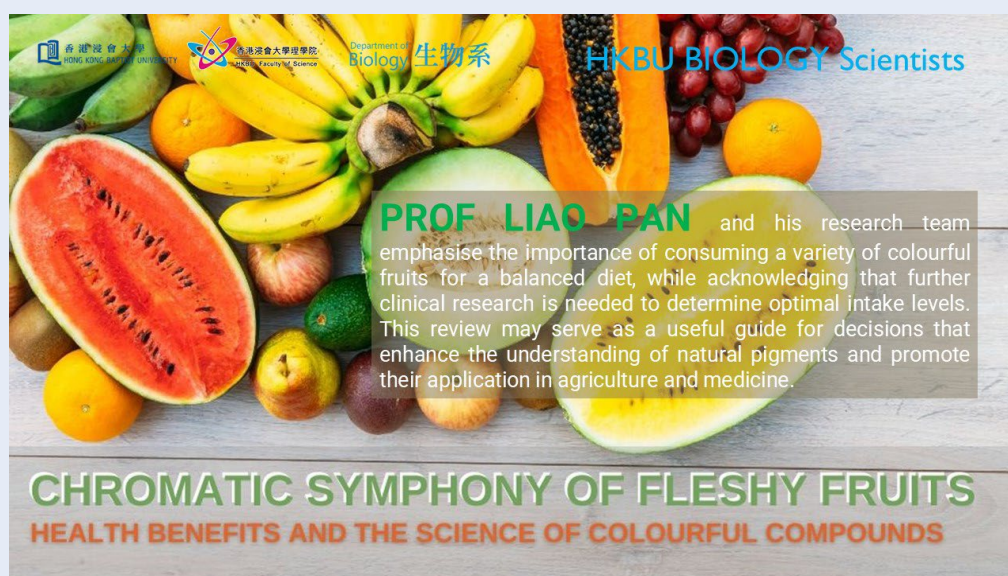
Prof. Nirakar Pradhan and his research team uncovers how Zero-valent Iron Nanoparticles boost Hydrogen Production from kitchen waste ([more](#))



Prof. CHEUNG Ka Loon Allen collaborates with the Center for Medical Innovation, Nagasaki University to establish a tumour mouse model that mimics the real-life scenario of mesothelioma in humans ([more](#))



Prof. Liao Pan and his research team emphasise the importance of consuming a variety of colourful fruits for a balanced diet, while acknowledging that further clinical research is needed to determine optimal intake levels ([more](#))

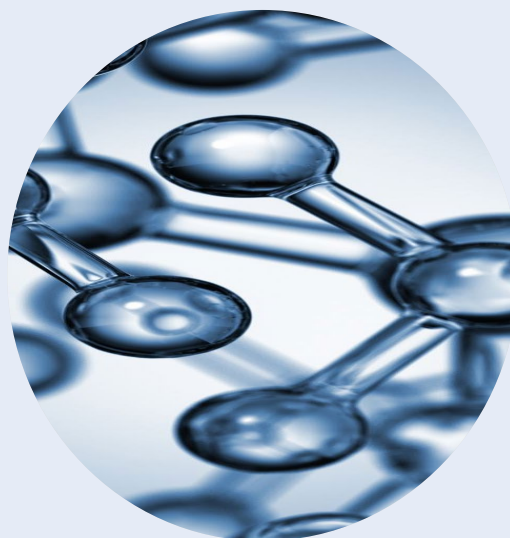


Programme Highlight

PhD Candidate Recruitment



Ecology, Environment
and Health



Molecular, cell and
developmental
biology



Bioresource and
Agriculture

Our department are recruiting PhD students to join our research team. PhD research degrees are an integral part of our academic ethos, where students are required to conduct independent research projects under the supervision of one or more of the department's faculty members, with the relevant expertise. ([more](#))

Programme Highlight

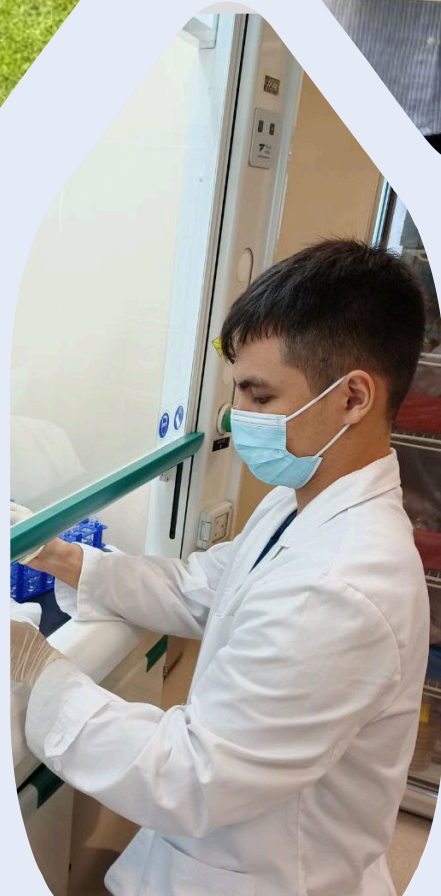
Student Internship Programme

This year, more than 60 internship opportunities were offered for our students majoring in Bioresource and Agricultural Science, Environmental Science and Biotechnology. This programme provides students with valuable opportunities to experience different working environments and career prospects in related fields and most important is to acquire different essential techniques and professional skills.

Target Students:

Year 2 & Year 3

BSc (Hons) in Applied Biology & BSc (Hons) in Bioresource and Agricultural Science



Programme Highlight

BSC in Applied Biology

Environmental Sciences Concentration



Environmental Integrity & Excellence

HKIQEP
香港環專會

FULL Accreditation In FIVE AREAS

BEAM

建築環保評估協會



HKGBC
BEAM Affiliate
綠建通才

Accredited for DIRECT APPLICATION

Past Events

Henan University - Hong Kong Baptist University Biological Agriculture Collaboration Forum (河南 大学—香港浸会大学生物农业合作论坛)



Exchange Symposium at the School of Agriculture and Biotechnology, Sun Yat-sen University



Academic Tour to the Department by the Government of Tamilnadu



Sun Yat-Sen University, School of Agriculture and Biotechnology Visit



Visit from Federation of Hong Kong Jiangsu Youth (香港江蘇青年總會)



Guangdong Academy of Agricultural Sciences Exchange Tour

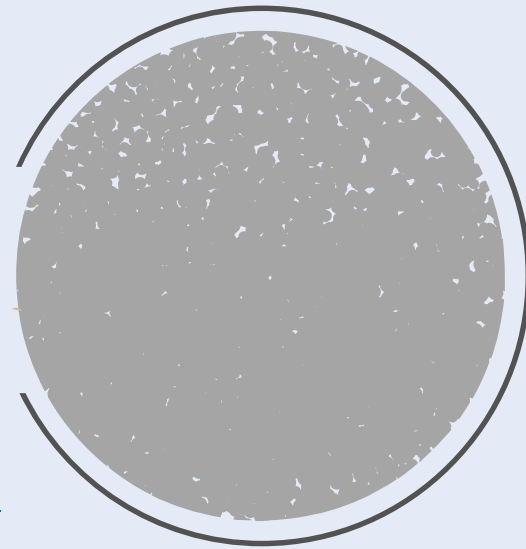


[more events](#)

Update Your Information

By signing up to our alumni network, you will receive alumni relations email communications, news and event invitations from the Department.

Stay in touch and please update your details [HERE](#)



Share Your News

Share Your Precious Moments of Life and Send Us a Class Note...

You will receive a gift by filling in an [ONLINE FORM](#) to update us about your stories of success, happy moments (from engagement, marriage or new baby, to a new business or career move), or recent activities.

Our Social Connections



香港浸会大学生物系



HKBU Biology



hkbubiology

