



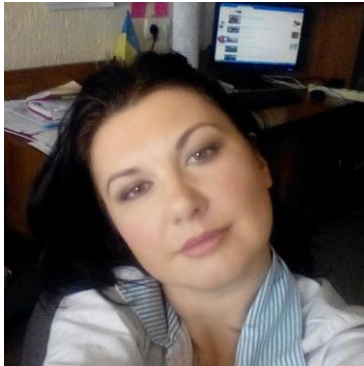
**National Technical University
«Kharkov Polytechnic Institute»**



YOUR FUTURE BUILT TODAY

PROSPECTS FOR COLLABORATION BETWEEN NTU “KHPI” AND INTI UNIVERSITY (MALASIA) IN FIELD OF HEALTHCARE SCIENCES

Dr. Yudina Yu.V.



Dr. Rui Rui Wong



INTEGRATION STRATEGY of NTU “KhPI”

- Active participation in the activities of international University associations;
- Development of academic cooperation with universities in Europe, America, Asia and Africa;
- The inclusion of international components in the educational and scientific spheres of the university’s life;
- Participation in international educational and scientific projects and programs;
- Promotion of academic exchange of students, teachers and scientists;
- Providing university graduates with professional skills of intercultural communication in foreign languages;
- Increasing of the permanent contingent of foreign students and postgraduates.



Scopus



International cooperation of NTU «KhPI»

- ✓ Partnerships with **244** educational institutions and companies from **39** countries of the world
- ✓ **211** direct contracts with foreign universities and organizations
- ✓ **51** educational and research international projects
- ✓ **4** Erasmus+KA2 projects (large projects of university consortia), another 3 projects submitted to the EU contest in 2023
- ✓ **37** international academic mobility programs under the **Erasmus+KA1** program (semester studies in European countries)
- ✓ **15** double degree programs with universities in **Germany, Slovakia, France, Austria, Poland, the Czech Republic, Bulgaria, South Korea and China**
- ✓ The Educational Center «**German technical Faculty**» is working



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is made effective as of 15th June 2023.

BETWEEN

INTI INTERNATIONAL UNIVERSITY operated by INTI INTERNATIONAL EDUCATION SDN BHD
[Company No. 199401043150 (328838-A)] company incorporated under the laws of Malaysia, with its
business address at Persiaran Perdana BBN, Putra Nilai, 71800 Nilai, Negeri Sembilan
(hereinafter referred to as "INTI");

AND

NATIONAL TECHNICAL UNIVERSITY «KHARKIV POLYTECHNIC INSTITUTE», business address:
2, Kyrpychova str., 61002, Kharkiv, Ukraine (hereinafter referred to as "NTU «KhPI»");

INTI and NTU «KhPI» are collectively referred to as the "Parties", and each, a "Party."

Both parties are desirous of establishing mutual cooperation and have agreed as follows:

1. Areas of cooperation

The cooperation within the framework of this MOU is subject to availability of funds and adhering to applicable laws, rules and regulations of the respective Parties, the Parties shall cover the following activities and programs which inter alia include:

- a) Student mobility and visiting scholar programs;
- b) Academic programs collaborations;
- c) Joint publication and research activities;
- d) Exchange of academic materials and other information;
- e) Scholarly activities such as courses, seminars, trainings, conferences, and symposiums organized by either of the Parties;
- f) Other activities and programs as may be mutually agreed upon by the Parties.

2. Term of Partnership

- a) The term for partnership between the Parties shall be five (5) years from the date of this MOU, during which time the Parties may, through friendly discussion, choose the appropriate partnership model and enter into definitive agreements.
- b) If either party wants to terminate this MOU, a written notice shall be given to the other party six (6) months before the termination of the MOU. If notice of termination has been given under this clause, the parties will agree in writing a mechanism ensuring that the ongoing activities, course or programmes are completed.
- c) If either Party intends to extend the term, such Party shall send a written notice to the other Party expressing its intent for extension at the end of the fourth (4th) anniversary of the date of this MOU and such renewal shall be prepared in writing and signed by both parties hereto.

3. Exclusiveness

Both parties understand that this MOU is not exclusive and each party is permitted to enter into such agreements as it deems fit with other universities and institutions.

4. Protection of Intellectual Property Rights

- a) The protection of intellectual property rights shall be enforced in conformity with the applicable laws.

**The cooperation
between NTU "KPI"
and INTI University
began in June 2023
with the signing of a
Memorandum of
Understanding**



INTI
International University

KNOWING
INTI INTERNATIONAL UNIVERSITY



INTI. YOUR FUTURE BUILT TODAY.

PRIVATE & CONFIDENTIAL

INTI International University

Nilai campus

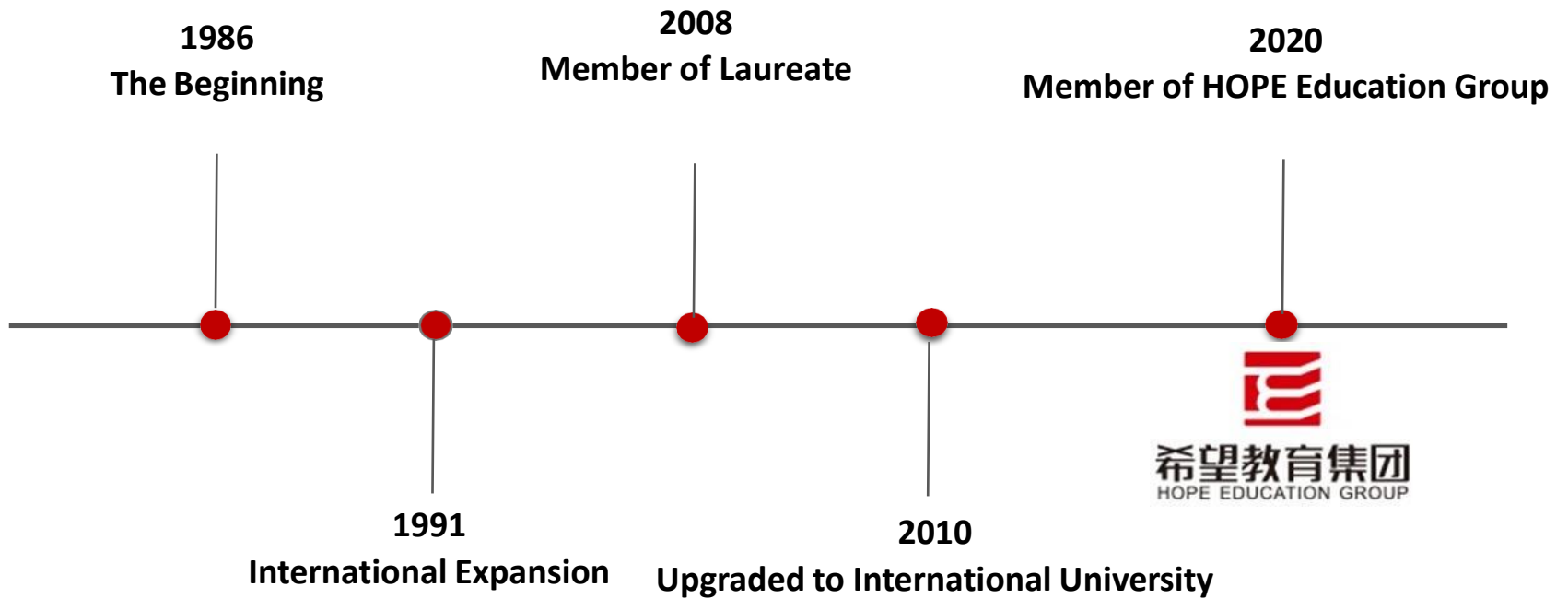


- Set within 82 acres of landscaped grounds, the University is located in the vibrant town of Putra Nilai, offering all the facilities and amenities you need as you immerse in a cross-cultural learning experience. INTI IU is certified with ISO9001:2015 and ISO45001:2018

INTI Campuses Across Malaysia



INTI Journey



HOPE Education Group



- FOUNDED IN OCTOBER 2007, ONE OF THE **BIGGEST PRIVATE HIGHER EDUCATION GROUP** LOCATED IN SICHUAN, GANSU, CHINA WITH:
- **8** VOCATIONAL COLLEGES
- **2** TECHNICAL COLLEGES
- **6** UNDERGRADUATE UNIVERSITIES
- STUDENT POPULATION >190,000 STUDENTS (CHINA)
- SUCCESSFULLY LISTING OF EDUCATION ON THE **HONG KONG STOCK EXCHANGE** (2008) (TICKET SYMBOL: 01765.HK)
- VISION: TO BE THE NO. 1 BRAND OF PRIVATE HIGHER EDUCATION IN THE WORLD
- **1ST OVERSEAS ACQUISITION:** INTI INTERNATIONAL UNIVERSITY & COLLEGES, MALAYSIA (2020)



Sichuan Tianyi College
四川天一学院



Southwest Jiaotong University
Hope College
西南交通大学希望学院



Jinxi College of Shanxi Medical
University
山西医科大学晋祠学院新校区



Business College of
Guizhou University of
Finance & Economics
贵州财经大学商务学院

RISING UP THE RANKS



QS Asia University Rankings | 2023

**RANKED
ASIA**



2022

2024

222

Asia University Ranking



**WORLD
UNIVERSITY
RANKINGS**

2024

**QS WORLD
UNIVERSITY
RANKING
2021**

**QS WORLD
UNIVERSITY
RANKING
2022**

**QS WORLD
UNIVERSITY
RANKING
2023**



Collaboration Opportunities

Customized Study Tour (based on Majors)

Duration: 1~ 3 weeks

Student Mobility Programme

Duration: 2 months ~ 1 year

**Teaching Exchange Programme /Visiting
Scholar**

Duration: 1 week ~ 1 year

Online /Offline Teacher Training

Duration: Various

**Programme Collaboration
Franchise / Dual Awards**

Online Symposium / Forum Invitation

Joint Research

International Collaboration - PhD and Joint Degree Programmes

Collaborations on PhD Programmes

- With the appointment of **co-supervisor** from both the local and international academicians, student will be able to gain more in terms of knowledge sharing as well as **publication opportunities (local and international co supervisors)**
- Involvement of **external examiners during viva** have contributed to the quality and area recognition for the highest level of study
- **Joint publications and research grants** among the supervisors
- Providing scholarships support for students from the partner institutions for PhD (since 2021)
- Sino-Foreign Cooperation: Diploma to Degree collaborations – Changsha and Jiangsu

Visiting Scholar & Research Fellow



Academic research is the pinnacle issue in providing quality and cutting-edge education to our students and the best service through consultancy and technology innovation for the community

INTI welcomes scholars and researchers from partner universities to visit the Faculty under the Visiting Scholar/Joint Research

Duration: 1 week – 1 year

Inbound Visiting Scholar Programme

March 31-April 6, 2024



Welcome Session and INTI Introduction Session

Meeting and Introduction Session with

Ms. Wong Siew Fong (Pro Vice Chancellor, Institutional Advancement)

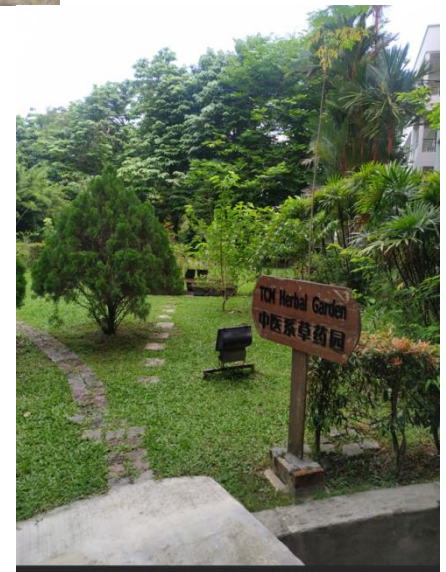
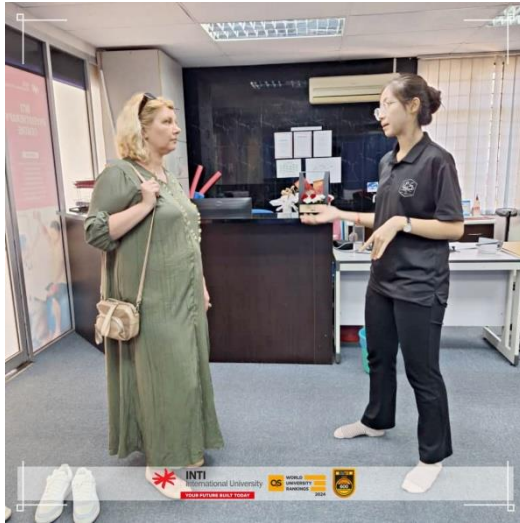
Mr Song Kuok Thong (Pro Vice-Chancellor, Social Impact)

Prof Dr. Goh Khang Wen (Pro Vice Chancellor, Global Engagement)

Prof Wong Ling Shing (Pro Vice Chancellor, Research and Innovation)

INTI UNIVERSITY

Health and Life Sciences Faculty



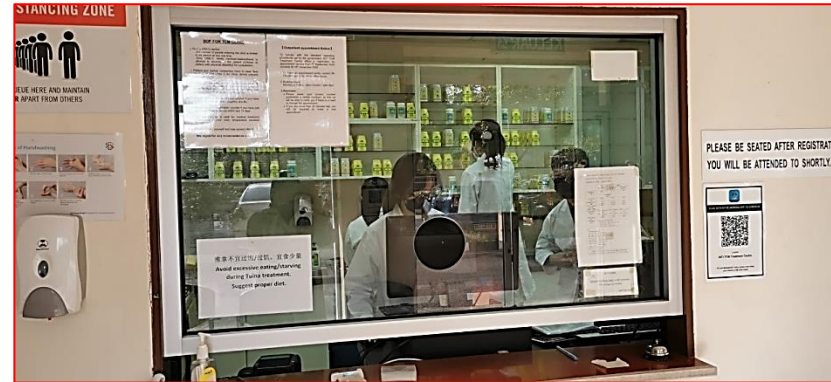
Faculty of Health and Life Sciences



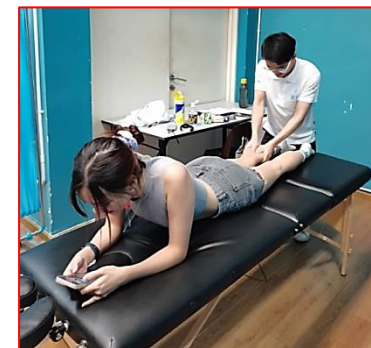
INTI
International University



Traditional Chinese Medicine division



Physiotherapy division



Life Science division





Educational and Scientific Medical Institute



- In 2021 the Educational and Scientific Medical Institute (**ESMI**) of NTU «KhPI» was created. Institute provides postgraduate education of medical and pharmaceutical specialists.
- **ESMI Departments:**
- **Obstetrics, gynecology and reproductive medicine.**
- **Internal Medicine and Family Medicine.**
- **General pharmacy.**
- **Infectious Diseases and Dermatovenereology.**
- **Clinical laboratory diagnostics, virology and microbiology.**
- **Neurology and reflexology.**
- **Health and social care organizations and management.**
- **Psychiatry, addiction, psychotherapy and clinical psychology.**
- **Radiology.**
- **Physical and rehabilitation medicine, physiotherapy and balneology.**
- **Surgery, normal and topographic anatomy.**

Inbound Visiting Scholar Programme

March 31-April 6, 2024



Formulations with herbal extracts and extraction technologies

We are studying extraction processes and effects of extraction parameters of yield of biological active substances and quality indexes of obtained products.

Plants we are working with:

- *Accorus calamus*
- *Comarum palustre*
- *Calendula officinalis*
- *Ginkgo biloba*
- *Carduus crispus*

... (small text describing the research project details) ...

Nanotechnologies for medicine and pharmacy

Сенсорная установка для анализа выдыхаемого газа (Наноструктурная клиническая диагностика)

Создана установка, предназначенная для разработки методов неинвазивной диагностики хронической патологии органов пищеварения путем анализа выдыхаемого газа. Впервые разработаны и использованы точечно-контактные газовые наносенсоры. Преимущества предложенного метода диагностики: неинвазивность, оперативность и возможность обнаруживать заболевания на ранних стадиях их развития.

Development of a device for diagnosing chronic pathology of the digestive organs by analyzing exhaled gas using point-contact gas nanosensors. Advantages of the proposed method: non-invasiveness, efficiency and detection diseases in the early stages of their development (department of technical electrochemistry). Using the fact that this complex biological gas environment contains products of bacterial metabolism that infect the human body, we have for

Information technologies for medicine and pharmacy

A range of program software for improving of medicinal visualization quality was developed by the team of Information systems Department and computer systems for the analysis of medical images have been developed, which could recognize pathological processes at the initial stages.

A program complex for diagnostics of gastroenterological diseases was successfully tested on the base of Kharkiv clinics.

Polytechnologies for healthcare

- Radiophysics and information technologies in medicine
- Nanotechnologies and nanomaterials
- Synthesis of chemicals and pharmacologically active substances
- Phytochemicals technologies
- Biotechnologies
- Cryotechnologies
- Medical and pharmaceutical equipment
- Drugs development

Information technologies for medicine and pharmacy

Направления в IT-сфере

- Разработка программного обеспечения
- Внедрение информационных систем
- Анализ и обработка медицинских данных
- Создание систем поддержки принятия решений

Guest lecture "Achievements and projects of NTU "KhPI" in the field of medicine and pharmacy", which presented the most significant and interesting developments in the field of biotechnology, medical diagnostics, computer technology, cryotechnology, drug development, etc.

Inbound Visiting Scholar Programme

March 31-April 6, 2024



A series of seminars-discussions
“Features of medical and pharmaceutical education in Ukraine”

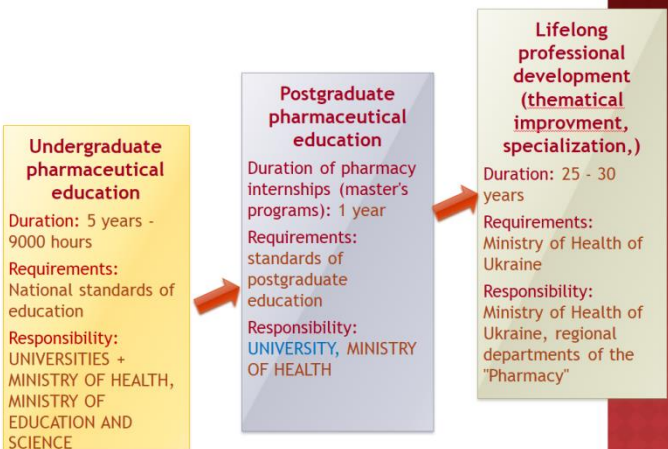
BASES FOR PRACTICAL TRAINING

« Med-Service™ pharmacy chain, the first all-Ukrainian pharmacy chain, is the basis for practical training of our pharmacists. To date, more than 400 pharmacies have been opened under the Med-Service brand in 102 cities of Ukraine.

« Pharmaceutical Plant “Chervon Zirka” is integrated in the educational and scientific process of the department as a base for practical training of students and scientific drugs development laboratory.



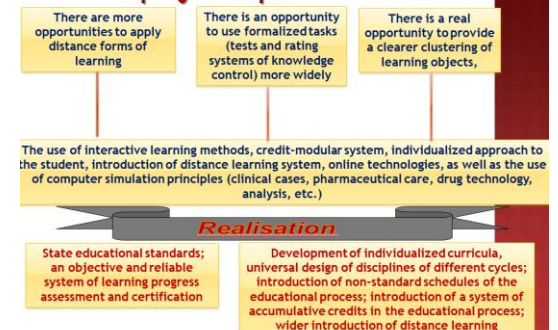
PHARMACEUTICAL EDUCATION IN UKRAINE



STRUCTURAL LOGICAL SCHEME OF EDUCATIONAL COMPONENTS

No./ year of study	Pharmacy	number of ECTS credits	No./ year of study	Industrial pharmacy	number of ECTS credits
General training					
G1/1	General and inorganic chemistry	5	G1/1	General and inorganic chemistry	8.0
G2/1	Human anatomy and physiology	5	G2/1	Human anatomy and physiology	3.0
G3/1	Ukrainian language	3	G3/1	Ukrainian language	3.0
G4/1	English language	4	G4/1	English language	6.0
G5/1	Latin language in pharmacy	5	G5/1	Higher mathematics and statistics	10.0
G6/2	Physics and instrumental methods of analysis	5	G6/2	Physics and instrumental methods of analysis	8.0
G7/2	Organic chemistry	8	G7/2	Organic chemistry	8.0
G8/1	History and culture of Ukraine	4	G8/1	History and culture of Ukraine	3.0
G9/1	Biology with the basics of genetics	4	G9/1	Philosophy	3.0
G10/3	Pharmaceutical jurisprudence	3	G10/3	Pharmaceutical jurisprudence	3.0

Features of postgraduate pharmaceutical education

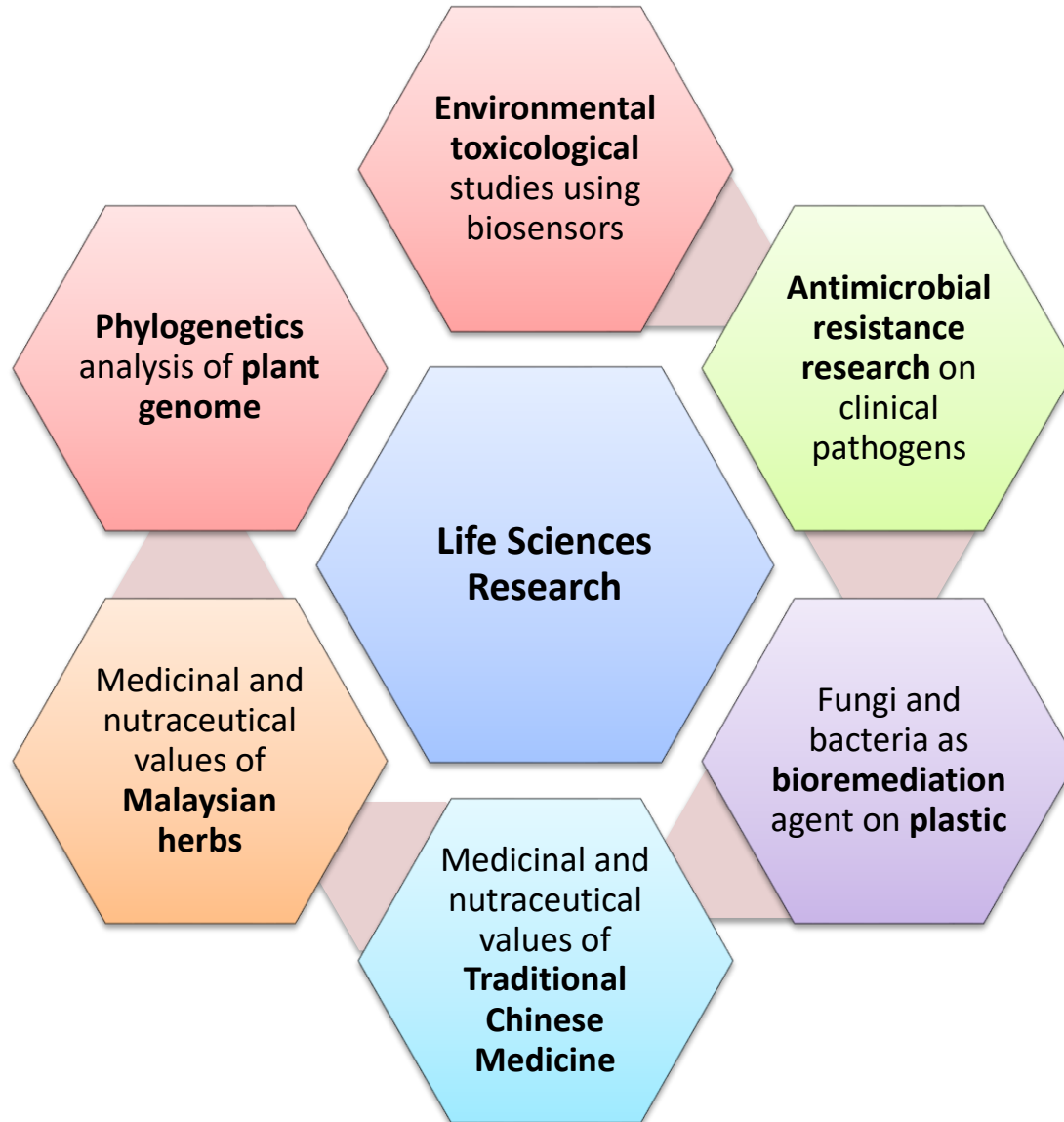


Inbound Visiting Scholar Programme

March 31-April 6, 2024



Life Sciences Research in INTI



Conclusions and prospects

It is planned:

- to continue working on joint educational programs;
- to promote academic exchange of students, teachers and scholars, for example, **Inbound Visiting Scholar Programme** and **Overseas Research Attachment and Internships**;
- to apply for joint grant projects;
- to search for common interests between other institutes and departments of NTU "KhPI" and INTI University departments, in particular in the field of IT technologies and engineering sciences.

- **Thank you for your attention!**