



# Proud Past, Exciting Present, Grand Future

*10 Years of Sustainable Development*







*“In the midst of sand and desert I see myself standing as a well drawing water. Carefully I plant trees, herbs and flowers and wet their roots with the precious drops. The cool well water attracts human beings and animals to refresh and quicken themselves. Trees give shade, the land turns green, fragrant flowers bloom, insects, birds and butterflies show their devotion to God, the creator, as if they were citing the first Sura of the Qu’ran. The human, perceiving the hidden praise of God, care for and see all that is created as a reflection of paradise on earth. For me, this idea of an oasis in the middle of a hostile environment is like an image of the resurrection at dawn, after a long journey through the nightly desert. I saw it in front of me like a model before the actual work in the desert started. And yet in reality I desired even more: I wanted the whole world to develop.”*

*Dr. Ibrahim Abouleish,  
SEKEM’s Founder  
(1937-2017)*

# Table of Content

- 4** *A Decisive Decade for Sustainable Development*
- 5** *Heliopolis University*
- 6** *SEKEM Vision Goals for Egypt 2057*
- 7** *How it all started*
- 11** *Portrait Alumni*
- 13** *Core Program*
- 14** *Faculty of Pharmacy*
- 15** *Faculty of Business and Economics*
- 16** *Faculty of Organic Agriculture*
- 17** *Faculty of Physical Therapy*
- 18** *Faculty of Engineering*
- 19** *Research*
- 20** *Community Service and Environmental Affairs*
- 21** *Education for Sustainable Development Center*
- 22** *Integrative Health Center*
- 23** *Rural Development Center*
- 24** *Climate & Energy Research Center*
- 25** *Ecosystem Research Center*
- 26** *Entrepreneurship & Social Innovation Center*
- 27** *Organic Agriculture Center*
- 28** *Space of Culture*
- 29** *Student Activities*
- 30** *International Events*
- 31** *International Cooperation*
- 32** *National & International Cooperation*
- 33** *Governance*
- 34** *10 Years Outlook*
- 35** *Campus Plan: El-Sharqia*
- 36** *Heliopolis University New Faculties*
- 37** *Proud Past, Exciting Present, Grand Future*
- 38** *Facts and Figures*

# A Decisive Decade for Sustainable Development



In 2022, Heliopolis University for Sustainable Development will celebrate its tenth anniversary. Even if it is not as obvious as SEKEM – the miracle in the desert –, it can still be regarded as a small miracle. It has always been part of the holistic SEKEM Vision of realizing a sustainable future to build a university for holistic research, for educating and inspiring young people and first and foremost to support the individual potential unfolding. We believe that the potential that lies within the young people of our country will lead Egypt to a sustainable future. While being on the mission of founding such a University, we have been confronted with many obstacles; but throughout the process of establishing SEKEM, we have learned that initiatives and projects facing the most challenges will become the most inspiring and resilient ones later on. And we are very happy that Heliopolis University developed into such a strong institution after only 10 years of existence.

## ***Proud Past, Exciting Present, Grand Future: 10 Years of Sustainable Development and Counting***

Ten years ago, sustainable development was not known at all in the Egyptian society. After the announcement of the UN SDGs in 2016, Egypt has signed the Paris Agreement and developed its own 2030 sustainable vision for Egypt. Today, sustainable development is a relevant topic but it is still far away from being applied in all walks of life. In this context, we are grateful to have Heliopolis University as an institution that aims to make the concept of sustainable development become reality.

It began in 2012 when we finally were able to establish the first three out of thirteen planned faculties in Cairo–Heliopolis. After starting with Business & Economics, Pharmacy and Engineering, a second phase was initiated by establishing the faculties of Organic Agriculture and Physiotherapy in 2019. Today, many projects are coordinated at Heliopolis University and students are engaged in real-world research and problem-solving projects and concepts. The University became a lighthouse for a community to define problems, do research, develop prototypes and implement them.

For the next phase of extension in the Sharkeya governorate, northeast of Cairo, eight additional faculties were proposed to the Ministry of Higher Education for approval. The proposal of a new campus goes hand in hand with the government’s strategy to increasingly promote diverse opportunities for higher education in Egypt.

For us, the heart of our educational work will remain the unfolding of the potential of our students and academic staff through the continuous development of our Core Program, Action Research and Community-Based Learning. Preparing the ground for integrative health, working on the educational approach for teachers in schools, enabling inspiration through interdisciplinary and applied arts, or being ready for the future through mastering digitalization are important future-oriented topics that have been defined in our 2057 vision for Egypt that was formulated by Heliopolis University and the SEKEM Initiative in 2018.

We believe in the potential of the Egyptian society, especially the youth, to create a bright future – the potential only needs to be unleashed. And we are certain that Heliopolis University offers the best preconditions to do so.

Yours sincerely,

**Helmy Abouleish**

Chair of the Board

A handwritten signature in blue ink that reads "Helmy Abouleish". The signature is fluid and cursive.



# Heliopolis University

Dr. Ibrahim Abouleish founded the Heliopolis University for Sustainable Development under the umbrella of the SEKEM Initiative in 2012. It is the first non-profit university in the Middle East declaring sustainable development as its overall guiding principle. Heliopolis University aims to promote social entrepreneurs, who can face and overcome tomorrow's challenges through innovation, collaboration, entrepreneurship and technology.

Heliopolis University currently runs five faculties: Faculty of Pharmacy and Drug Technology, Faculty of Engineering, Faculty of Business and Economics, Faculty of Physical Therapy and Faculty of Organic Agriculture.

With a broad and varied range of research activities in many areas of life, the University is fostering social innovation. The Core Program, which is obligatory for all students and aims to empower and develop their capacity for creativity, innovation and social responsibility. Through art, language, philosophy, social science courses, students shall realize their capabilities and enhance soft skills such as problem-solving, creativity and implementation.

## ***This is how Heliopolis University contributes to the original SEKEM Vision:***

Sustainable development towards a future where every human being can unfold his or her individual potential; where mankind lives together in social forms reflecting human dignity; and where all economic activity is conducted in accordance with ecological and ethical principles.

Heliopolis University's Mission is to empower students to be the champions of sustainable development in different spheres of life. To provide a place where new ideas meet fertile ground for further research and teaching. Education combines teaching, research, and practice with a unique humanistic core program, developing curious and creative minds.

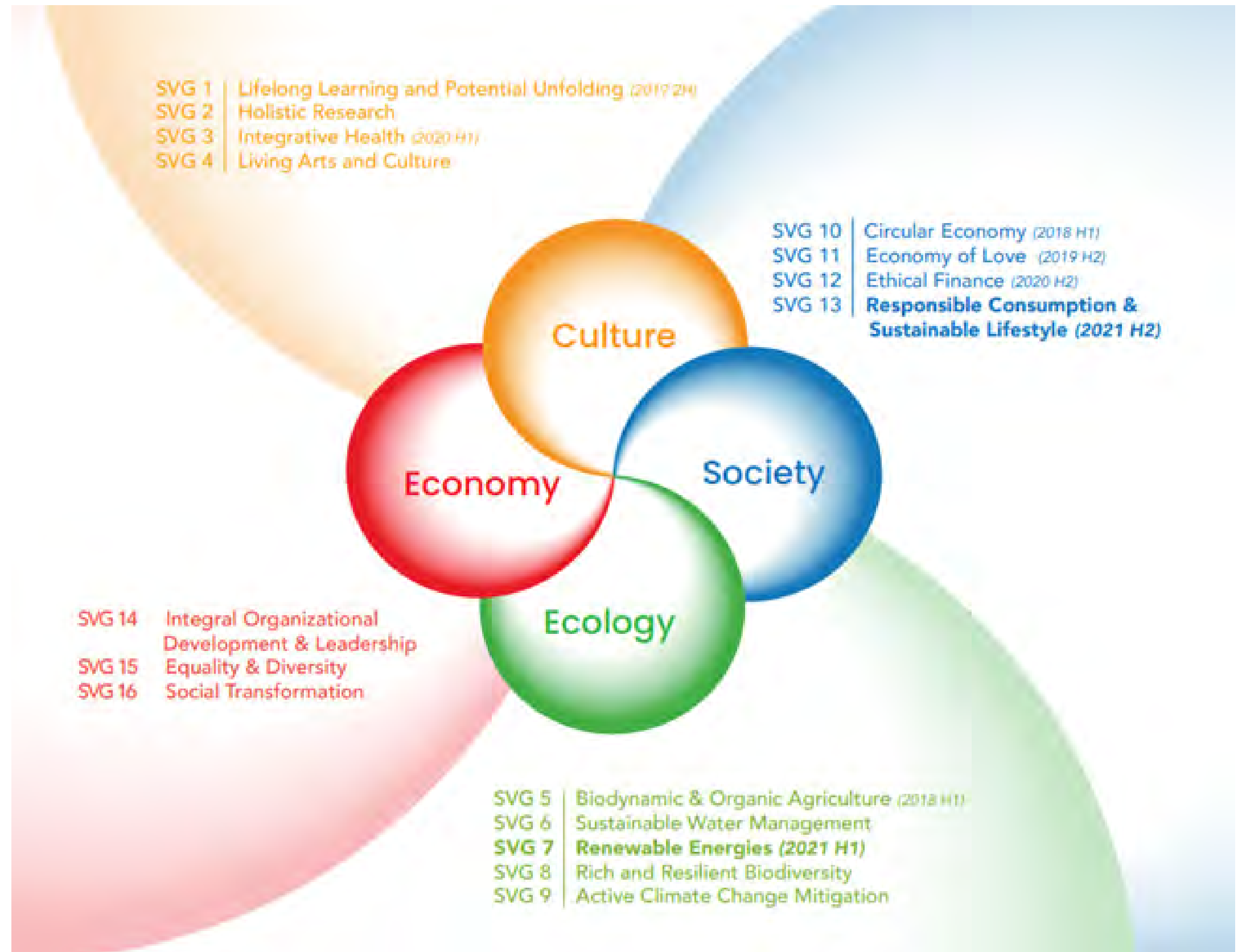


# SEKEM Vision Goals for Egypt 2057

## SEKEM Vision Goals for Egypt 2057

In 2017, after the inspirational founder Dr. Ibrahim Abouleish passed away after 40 years of creating a miracle of sustainable development in Egypt, the whole SEKEM community including the Heliopolis University staff engaged in a process to define their miracles of the next 40 years and a vision for Egypt in 2057. As shown in the below diagram, the SEKEM vision for Egypt 2057 includes 16 bold SEKEM Vision Goals (SVGs) in all four dimensions of sustainable development.

Heliopolis University takes a leading role to support the ambitious goals. It will play an important role in research, developing prototyping and implementing models in the various dimensions of life, including the continuous development of the SVGs for 2057.





## How it all started

From the very beginning, the concept of sustainable development was the basis of the SEKEM vision. The implementation of the SEKEM vision was built on research in the many fields of life. To support the ongoing process, Heliopolis Academy was inaugurated in 1999 under the umbrella of SEKEM Development Foundation. Applied research in different faculties was conducted, a theater and a large hall is used for cultural events and meetings. Research has become increasingly concrete and specialized into different departments. Since 1999 the Academy has offered applied agricultural, pharmaceutical and medical research. It also conducts studies and events in the areas of economics and law to improve the capacity to conduct, publish and disseminate relevant social and scientific research in the areas of medicine, pharmacy, renewable energy, biodynamic agriculture, arts and social sciences. Its sustainable-development-driven research was designed to meet the future requirements of the Egyptian community and builds on national and international collaboration.

It takes creative and innovative leaders with new ideas to overcome current and future challenges. Teamwork and cooperation are the key factors for a sustainable future for all human beings. To change the world, theoretical and practical work needs to be combined and complemented. Therefore, the concept of the university is built on three pillars: education, research and practice.



*“In the name of Allah, the All-Merciful, the Mercy-Giving.*

*Praise be to Allah, the All-Hearing, the All-Respondent, the All-Seeing.*

*O, Allah!*

*Let the Ancient inherited empathize with the novel unknown in order to foster the work of the present and make it strong enough to face the challenges of life, so that mankind, community, and earth would evolve!*

*O, Allah!*

*From You we seek aid and to you is our hopeful pursuit and I know that you do not change what’s with us until we change what’s there within ourselves.*

*Our Lord! Pour forth on us patience and make firm our feet on the ground” so that we become worthy of piety, You are the All-Hearing, the All-Respondent, the All-Seeing!”*

*(Dr. Ibrahim Abouleish: foundation stone, Heliopolis University)*

## *The four dimensions of life and higher education for Sustainable Development*

Heliopolis University started with three faculties: Faculty of Business and Economics, Faculty of Engineering, and Faculty of Pharmacy. The three faculties run continuous evaluation to ensure practical use of knowledge, practice transfer, and linking academia to society for impact. Through extensive community work, students become more aware and find their own research projects and methods.

A group of scientists study the burning issues of society and create research projects to solve these problems. The social innovation center ensures that the results of applied research will be implemented in the society. Heliopolis University strives to be the place and source of innovation for society. This is a completely new way of thinking which is in tune with the demands of the 21st century and directly oriented towards the problems of society.

If young people understand the basic concepts of sustainable development they will devote themselves to the development of the natural, economical, social, and cultural areas of life, to secure human coexistence, for a better and fairer future.



### **History Timeline**

- 1999 SEKEM Academy for Applied Arts and Science (medicine, pharmacy, agriculture and arts, later Heliopolis Academy) starts work.
- 2002: Launch of Heliopolis Academy for Sustainable Development for research and training.
- 2003 SEKEM Academy introduces Eurythmy training at the workplace.
- 2004 Dr. Ibrahim Abouleish is selected as «Outstanding Social Entrepreneur» by Schwab Foundation.
- 2006 Higher education activities are extended through participation in the EU-Tempus project “DIMPTOT-TEMPUS” in mechatronics.
- 2008-2009 Research, Development and Innovation Programme, RDI, funded the “The Heliopolis Academy Business-Research Award “INNOVA” for innovative researchers in the fields of Organic Agriculture, Ecological Engineering & Technology, Renewable Energy Technologies, Water Treatment and Reuse, Health and Complementary Medicine.
- 2008 Heliopolis Academy established a Sustainable Entrepreneurship Center.
- 2009 Heliopolis University for Sustainable Development receive its acknowledgement by the Presidential Decree No. 298; First “Heliopolis Academy Innovation Award”. Founding members are: Abouleish Foundation, SEKEM Development Foundation, SEKEM Holding.
- 2009-2011 ‘Commercial Production of improved Biocontrol Agents for Combating Soil Borne Pathogens in Egypt’ in cooperation with Technical University of Graz (Prof. Dr. Elshahat M. Ramadan and Prof. Dr. Gabriele Berg, and Ain Shams University.
- 2009-2011 Improving the Production of Biofuel from Agro-Industrial Wastes by utilization of agroindustrial wastes for production of Bioethanol (Project Coordinator: Prof. Dr. Elshahat M. Ramadan).
- 2009-2012 TEMPUS project UNCHAIN: Strengthening the link between academic research and industry needs in cooperation with TU Graz and Involved Entities: Consortium of 11 partners (incl. 5 MENA and 3 European universities); developing a Strategy paper on how to establish a chair on innovation, staff trainings on innovation and two master twinning projects.
- 2010 the 4 years TEMPUS project on ‘Reorient University Curricula to Address Sustainability’ started with the University of Crete, 5 ME Universities, 6 European Universities, UNESCO.
- 2011 Heliopolis University Green Innovation Award (INNOVA 2”) Heliopolis University launched, with a cooperation with Misr El Kheir Foundation, the green award for individual researchers, universities, SMEs and secondary school students who have an ambitious green innovation idea. Three Mechanisms: Idea Bank, Applied Research and Best Produced Prototype.





**Dr. Ibrahim Abouleish (founder),  
Dr. Abdelhamid Zoheiry (founding president),  
Dr. Hani Sewilam (member of the board)**

- In 2011 a five years TEMPUS project started under the title 'Education for Sustainable Development beyond University Camp' in cooperation with RWTH Aachen/ Hani Sewilam and a consortium of 20 European and Egyptian Partners developing interactive educational material for Egyptian public schools. Implementation of a Center of Excellence for Teacher Training within HU.
- 2011 - 2014 TEMPUS Project: Development of Joint International Master Degree and Lifelong Learning Framework in Mechatronics (JIM2L) under the lead of Bochum University of Applied Science, Germany and a consortium of 11 partners.
- 2012 - 2015 TEMPUS Project: Green Innovation and Entrepreneurship Programme under the lead of Politecnico di Milano, Italy.
- 2012 under the United Nations Development Programme, UNDP Corporate Social Responsibility Diagnostic Agriculture Sector started a 1 year project with a CSR baseline study Report, diagnostic of existing CSR practices and CSR Development Strategy report.
- 2013 Heliopolis University Innovation & Research Office (HIRO) was founded in cooperation with the Academy of Scientific Research and Technology, ASRT.
- 2013 a four-year research project started: NAAN: Natural Anti- Hypertensive and Anti- Diabetic phytopharmaceutical drug production from 2 Egyptian folk plants in cooperation with Uni Graz (AT), Uni. Lecci (Italy), VB/ ICCF (Romania).
- 2012 Opening of the Heliopolis University for Sustainable Development.
- 2014 Regional Conference of the Right Livelihood Laureates in Africa and the Middle East.
- Heliopolis University Research and Innovation Observatory (HIRO) is the Technology, Innovation and Commercialisation Office hosted by HU since 2015.
- 2015 Golden Award of the Technical University Graz.
- Publishing the 'Comparative Full Cost Accounting Study of Organic and Conventional Food Production Systems in Egypt'.
- Land for Life Award from United Nation Convention to Combat Desertification.
- 2017 SEKEM celebrates 40 years of Sustainable Development and the 80th birthday of founder Dr. Ibrahim Abouleish. Dr. Ibrahim Abouleish passed away a June 15, at age of 80.



- 2017 first graduation at Heliopolis University.
- 2018 SEKEM was awarded [the Luxembourg Peace Prize](#).
- 2018 Helmy Abouleish becomes [United Nations NAP-Champion](#) for the Adaptation to Climate Change.
- 2018 Heliopolis University opens the first Faculty of Organic Agriculture in Egypt and the Faculty of Physiotherapy.
- 2018 SEKEM and Heliopolis University publishes its Vision for Egypt 2057.
- 2019 Launch of the Greening the Desert Project at SEKEM-Wahat farm <https://pivot.sekem.com>
- 2019 the World Social Initiative Forum place at the Heliopolis University <https://www.sif-egypt.org/>
- 2020 Launch of the Space of Culture in SEKEM-Wahat farm and Heliopolis University established research laboratories for soil and water.
- March 2021, the Faculty of Physical Therapy successfully received the license for the Physical Therapy Clinics.

- **2021 Ministerial approval for the new faculties is received for following faculties:**
  - Faculty of Dentistry
  - Faculty of Artificial Intelligence and Computer Science
  - Faculty of Art & Design
  - Faculty of Art & Humanities
  - Faculty of Education
  - Faculty of Medicine
  - Faculty of Applied Medical Science
  - Faculty of Nursing



## Portrait Alumni

### Menna Hussein

is one of HU's Pharmacy alumni of 2019. She now works as a teaching assistant at the faculty of pharmacy. In her final year as a HU student, she was selected to participate in the Erasmus+ exchange program in Slovenia.

She had the opportunity to spend several months at Maribor University. She was also an active member in the plastic recycling project "Precious Plastic" at HU.

After her graduation, she temporarily worked in an international hospital's pharmacy before she became a HU staff member. Currently, she is a Microbiology master's student at Friedrich Schiller University Jena, Germany.



### Ahmed Bahrawi

He took his first steps into the world of learning in SEKEMs kindergarten and school, and then continued his path of knowledge at Heliopolis University for Sustainable Development. After graduating with distinction from the Accounting Department in 2019, he became a teaching assistant at the College of Business Administration.

At SEKEM, he learned that every person has a unique personality and should cherish his culture and values in his life, so that every day becomes a precious gift through which he can develop himself, serve his community and preserve the environment.

His choice of Heliopolis University came naturally, everyone encouraged him and Dr. Ibrahim Abouleish nominated him to study at the Faculty of Business Administration. Ahmed received a full scholarship. As soon as he joined the college staff, he started working on the 13 villages project aiming at developing the villages surrounding SEKEM. One of his wishes for the present and the future is to be able to make a difference in his society, and draw attention to the importance of preserving the environment.



### Eng. Salaheldin

Studying at Heliopolis University with no doubts was a life-changing decision for me. I remember the first day when we had our introduction lecture, the late Dr. Ibrahim Abouleish introduced the concept of sustainable development and how Heliopolis University adopts this concept. I was impressed by his presentation and his vision for the role of Heliopolis University.

I studied my bachelor's degree in Water Engineering. During my five-year degree, I enjoyed the interaction in the lectures, especially that we were in small groups. I very much liked the variety of courses that we could choose from. Besides the technical courses in water and civil engineering, it was nice to take such courses as music or culture and history or creativity and entrepreneurship. I did an internship at Wageningen University in the Netherlands on sustainable food production and agroecology and started my master at RWTH Aachen University in Germany.

Living in four countries in the past three years (Egypt, Germany, Italy, and the Netherlands), taught me many life lessons. I learned to appreciate the diversity of all people from different cultures and backgrounds and to develop my ability to communicate across language and culture barriers. I also realized the benefits of learning from others."

### Norhan Saeed al-Najjar

She is a 2020 business faculty graduate, discovered her passion for arts at the SEKEM school, and she began her artistic path early on by playing violin and flute, and already participated in many of SEKEM Orchestra's openings of events and conferences. Her preference for studying in the literary department was due to her love of history and languages.

Norhan chose Heliopolis University because it is a continuation of the SEKEM School, where sustainable development is advocated and students are thought to live in a healthy way. From a young age, she was raised to take care of the environment, care for others and proper nutrition. She also learned to consume consciously, whether regarding water, electricity or other resources, and was able to influence her family to take on this sustainable approach too. Norhan received a partial scholarship as a graduate of SEKEM School. Dr. Ibrahim Abouleish facilitated her nomination for a six-week internship in Germany at the 'Energie und Forschungszentrum' (EFZN) in Goslar, Lower Saxony, an energy research specialist supported by five German universities. The mission was to establish cooperations between SEKEM, Heliopolis University and other renewable energy organizations. She believes in the need to serve the community, in the importance of education - especially regarding sustainable development -, and worked on her graduation project, Children University bloom of youth, with her colleagues to educate the children of the 13 villages around SEKEM. The team developed a special curriculum for village children, including music, art and creativity, and attractive learning methods that contribute to a change in the lives of young people.





# Core Program



As an essential part of its holistic approach to education, Heliopolis University offers the unique Core Program that aims to develop students' capacity for innovation and social responsibility, to be able to perceive the self and the world with awakened awareness to meet the challenges encountered in professional life.

Throughout the variety of the Core Courses offered enthusiastically, **Heliopolis University aims to create:**

- Interactive Learning: where students are artists and thinkers investigating community problems and cooperating to develop creative and applicable solutions
- Challenging Learning: where students are motivated and prepared to do more than what they believe they can
- Communicative Learning: where students build a clear vision of pathways to achievement through developing inspiring presentations, workshops, and exhibitions

*Core Program Curricula Include Four Course Streams:*

**Language, Communication, and Enterprise:**

It consists of Academic English Writing, German Language, Communication Skills, Creativity and Entrepreneurship, and Arabic Literature.

**Arts, Culture, Development, and Innovation:**

It includes Perception Actuality, Diversity Integration, Communication through Arts, Practicing Individual Presence, Multi-Focus to Arts and Art Creative Processes.

**Social Sciences:**

It covers courses on Research Methodology, Philosophy, Human Rights and Politics, Sociology, Principles of Law, and Psychology.

**Nature and Community:**

It offers courses on the themes of Sustainable Development, Deep Ecology, Biology, and Evolution.



# Faculties

## Pharmacy

The Faculty of Pharmacy at Heliopolis University complements the Egyptian pharmaceutical sector and society with capable and skilled graduates who are dedicated to the improvement of pharmaceutical services and facilities. The comprehensive approach towards a sustainable study of pharmaceuticals is further enriched by a comprehensive Core Program.

Faculty of Pharmacy has submitted and is waiting for approval for its post-graduate Bylaw and Curriculum for a Masters in Clinical Pharmacy.

[read more](#)

### Faculty Departments

- Pharmacology and Toxicology
- Pharmaceutical Chemistry
- Pharmaceutics and Pharmaceutical Technology
- Biochemistry and Biotechnology
- Microbiology and Public Health
- Pharmacognosy and Medicinal Plants
- Pharmacy Practice

### Academic Program

- A five-year academic program with 180 credit hours
- One-year internship of clinical/field training
- Final graduation project

### Degrees

*Heliopolis University awards BSc. degree in:*

- Pharmacy





## Business and Economics

The Faculty of Business and Economics is at the forefront of innovative and alternative models applied in business and economics. In the Faculty, we are committed to fostering a system that is simultaneously ethical, successful and competitive, empowering our graduates with a unique set of opportunities and skills.

The faculty is offering an M.Sc. in ICT for ESD in cooperation with Frederick University, Cyprus, and Aswan University, Egypt.

### Faculty Departments

- Business Administration
- Economics

### Degrees

Heliopolis University awards BSc. degrees in:

- Business Administration
- Economics



### Academic Program

- A four-year academic program with 139 credit hours
- Modern modules teaching method addressing inter/multidisciplinary learning approach
- International internship/scholarship opportunities
- Group Research-to-Innovation Project
- Final graduation project



## Organic Agriculture

Heliopolis University inaugurated the Faculty of Organic Agriculture in September 2018. For the time being, the youth in Egypt is rather not aiming to become farmers or agricultural engineers, as farming is often perceived as not desirable. However, there is a worldwide need for farmers and agricultural engineers, especially with the know-how, value system and awareness for alternative and sustainable farming methods. Accordingly, the university sees the need and responsibility for the faculty of organic agriculture and is happy to announce that to date 63 students enrolled for these studies.

On the international level, the Faculty of Organic Agriculture established university industry partnerships with various national and international institutions including: Padova University in Italy, Hohenheim University, RWTH Aachen University in Germany, Mediterranean Agronomic Institute of Bari in Italy, Demeter International, and IFOAM in Germany.

[read more](#)

### Faculty Departments

- Organic Crop Production
- Food Processing Technology

### Degrees

*Heliopolis University awards BSc. degrees in:*

- Organic Crop Production
- Food Processing Technology

### Academic Program

- A four-year academic program with 140 credit hours
- Final graduation project





## Physical Therapy

During the second phase in 2018, the Faculty of Physical Therapy was established and has started the first year of the faculty with 150 students, to date reaching almost 500 students. This faculty shall also be the entry for education and research in the fields of integrative medicine. The capital expenditure for the new faculty has been around EGP 35 million for the building and equipment.

The Faculty of Physical Therapy strives to achieve a sustainable and holistic approach towards healing and physical therapy that encourages patients to take an active role in their own health management, long-term wellbeing, and overall disease prevention for a healthier Egyptian society.

### Faculty Departments

- Basic Science and Biomechanics
- Physical Therapy for Internal Medicine and Neurology
- Physical Therapy for Women Health and Pediatrics
- Physical Therapy for Orthopedics and Surgery

### Academic Program

*A six-year degree program, with 180 credit hours, that is split into:*

- Five years with mandatory courses of 144 credit hours, selective courses of 18 credit hours, and core program courses of 18 credit hours
- One-year internship of clinical/field training in hospitals

### Degrees

*Heliopolis University awards BSc. degree in:*

- Physical Therapy





## Engineering

Students studying at the Faculty of Engineering will be responsible for innovative technical implementation by addressing the burning issues relating to the environment, society and economics through the specialized engineering curricula that are complemented by the Core courses. In addition, the concept of sustainability is directly integrated in all the activities of the Faculty of Engineering through research, teaching and proactive application.

The Faculty of Engineering, through the SuReMap Project is applying for 2 post-graduate degrees including:

M.Sc. in Civil Engineering (Specialization: Water and Environmental Engineering)

M.Sc. in Electromechanical Engineering (Specialization: Engineering and Management of Sustainable Energy)

### Faculty Departments

- Basic Science
- Electromechanics
- Civil Engineering
- Mechatronics
- Green Architecture

### Academic Program

- A five-year academic program with 170 credit hours
- Annual practical internships
- Final graduation project

### Degrees

*Heliopolis University awards BSc. degrees in:*

- Energy Engineering
- Water Engineering
- Mechatronics
- Green Architecture





# Research

Research plays a crucial role in developing social innovation and system change. Introducing phytomedicine, organic agriculture and organic food production in the last 40 years in Egypt, SEKEM has managed a variety of research projects with national and international cooperation. Introducing compost or organic cotton in Egypt was an innovation and is today spread out all over the country. Heliopolis University Research and Innovation Observatory (HIRO) is the Technology, Innovation and Commercialisation Office (TICO) hosted by Heliopolis University since 2015. HIRO serves as the main R&D and innovation core structure. HIRO's holistic message is to assist academic staff, researchers and professionals at Heliopolis University and in other Egyptian universities and research centers in order to accomplish a real and sustainable knowledge-based economy in Egypt. To achieve this, HIRO cooperates with the Academy of Scientific Research & Technology (ASRT) to support researchers, providing them with guidance on funding while connecting them with networks of counterparts, and national and international fundraising agencies.

## Research Areas

- Phyto-Pharmaceutical
- Biodynamic Agriculture
- Renewable Energy
- Sustainable Economics and Green Technologies
- Social Sciences and Humanities
- Community Development
- Arts and Music

The University attracts national and international professionals from different fields to form consortia to work together in full partnerships. The University Grant Management Office develops on average 30 research proposals annually with various funding agencies and framework programmes, nationally and internationally. HU also established a strong IP management policy that reflects the integrity of our research environment and protects the property rights of researchers, partners, and the institution.

Pre-clinical and clinical trials are done as part of product development or as separate entities as a service for other partners.

- Clinical studies for a natural product from mistletoe extract (phase two & three studies were conducted in Egypt as part of a multicenter (multi-national) study for its use in superficial bladder cancer).
- Clinical study for a product containing Khellin (Coli-Urinal) for use in urinary tract infection.
- Preclinical & clinical studies for natural products used in resistant UTI.
- Preclinical & clinical studies for natural products used in diabetic foot.
- Preclinical studies for anti-infective and liver support products.



# Community Service and Environmental Affairs

To serve community development Heliopolis University is targeting the challenges in the four dimensions of life: culture, societal, ecology and economy and established centers to discover the needs in the communities and to develop and implement prototypes of sustainable solutions.

The SEKEM Vision Goals 2057 are the guideline for social innovation through community-based research, community-based learning approaches and implementing community-based projects.

*Approach for the centers:*

## Inspiration & the SEKEM Miracle

The work of Dr. Ibrahim Abouleish and the inspirational sources in the four dimensions lead to the SEKEM Miracle and stands as a model on how to strive and implement comprehensive development and serves as an inspiration for future projects to reach the vision for Egypt 2057.

There are two major social approaches to support community development:

- Creation out of nothing – it follows the model of SEKEM to develop sustainable livelihood in the plain desert, where no previous social forms exist and developing fertile soil is the starting point, continuing with cultural and economic activities. The greening the desert project is the flagship prototype for this kind of social development.
- Social transformation of the existing social structures, whether urban or rural. Our flagship prototype for this

kind of social transformation is supporting the development of the existing communities around SEKEM in the 13 village project, where in cooperation with its citizens projects are developed in the areas of organic agriculture, entrepreneurship, health, infrastructure and education.

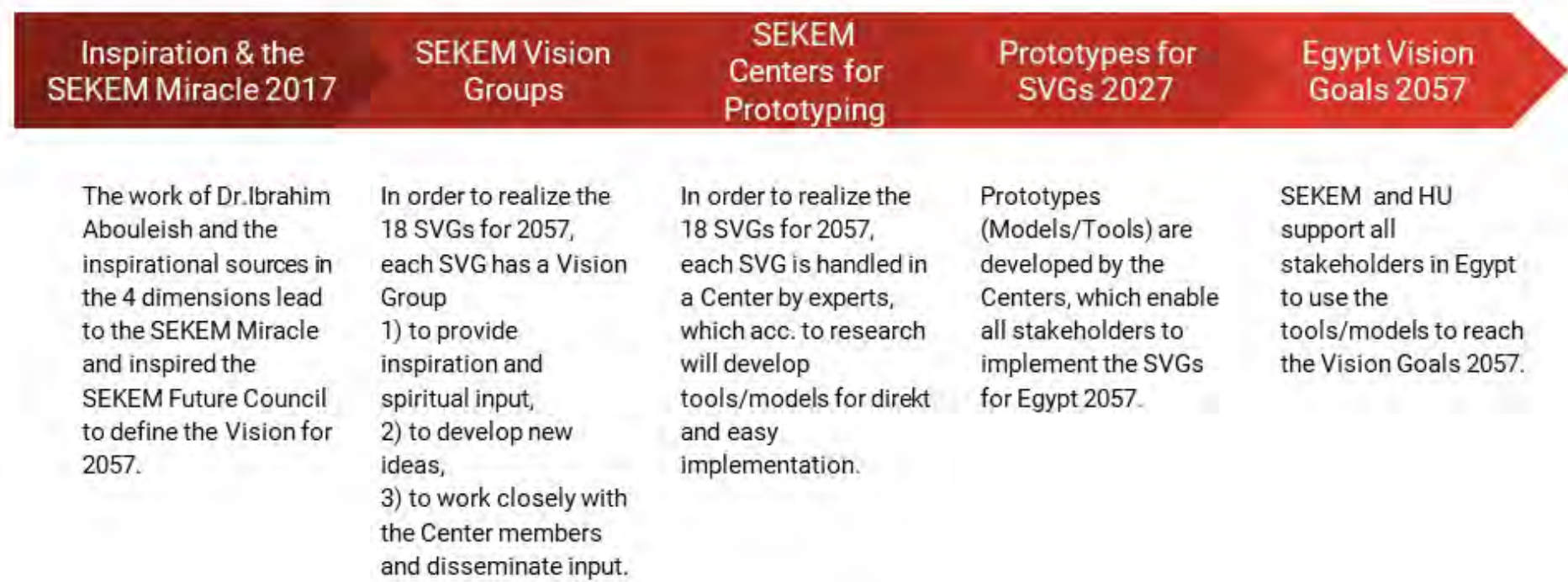
## Centers for Prototyping

In order to realize the SEKEM Vision Goals for 2057, each goal is handled in a center by experts, who research and develop prototypes (tools/models) for direct and easy implementation.

## Egypt Vision Goals 2057

SEKEM and Heliopolis University support all stakeholders in Egypt to use the tools/models to reach the Vision Goals 2057.

### From inspiration sources to vision goal implementation





# Education for Sustainable Development Center

ESD Center is a worldwide-connected lighthouse for unfolding potentials and inspiring transformative models for human development and offers opportunities for lifelong learning for all age groups based on a holistic worldview, which includes art, scientific research, and practical experience. The center creates a hub of knowledge and a pool of skills and supports as well as networking opportunities.

## Mission

Excellence in developing the capabilities, skills, and competencies of those in charge of the educational process for all age groups on the foundations and principles of sustainable development.

## Activities and services

1. HU-CESD provides training, advisory and research services in the field of education for sustainable development and includes a range of activities that are generally based on the following:
2. Training courses for faculty members and universities' teaching assisting staff
3. Training courses for teachers in schools
4. Training courses to train the trainers
5. Supporting and implementing local and international educational projects, whether inside or outside the university, with various stakeholders

6. Design and implement participatory applied research in order to strengthen the quality of education and community service
7. Implement and develop the core program for students and SEKEM community members.
8. Implement and develop the community-based learning model for Egypt. Community-Based Learning is an intended pedagogy that takes the learners out of classrooms into the community in order to link what they learn theoretically to real life experiences. It is a step further from academia to the field in order to achieve positive change and development



for the community and to the students reciprocally. The first step is towards identifying the needs, challenges and opportunities in the target area and based on that the HU staff and students work out possible contributions to support these villages. Critical reflection throughout the journey of community-based learning is a main part of the process; it is essential for enhancing students' learning and offering theoretical concepts and at the same time deeply understanding the community's needs in order to build the sense of active citizenship.

<https://www.SEKEM.com/en/SEKEM-and-heliopolis-university-for-sustainable-development-at-unesco-world-conference-on-esd/>

<https://www.SEKEM.com/en/SEKEM-and-hu-support-education-for-sustainable-development-in-unesco-affiliated-schools/>

<https://www.SEKEM.com/en/education-for-sustainable-development-in-slum-areas/>

<https://www.SEKEM.com/en/people-in-SEKEM-moamen-ghanem/>

# Integrative Health Center

“Prevention is better than cure” is a phrase that is easy to say and difficult to implement. In connection with the current conditions that the country and the world are going through, including the spread of the Corona pandemic, it became a concern for many individuals and societies to reach for optimal prevention methods. The importance of being cautious and knowing the methods of prevention, especially for those who suffer from chronic diseases and immunocompromised cases, has become utterly clear. This also applies to the role of early diagnosis of the disease and the application of appropriate treatment. Considering these changes, the idea arose to establish a “Heliopolis University Center for Integrative Health”, in the belief that providing a healthy and safe life for all Egyptians has become a societal responsibility which is based on a healthy body, soul and spirit.

The Heliopolis University Center for Integrative Health provides services and activities:

## **Participatory research comes first:**

Design and conduct participatory basic, field, and applied research related to integrative health.

Experiential development.

Transfer of knowledge and technology.

Developing and participating in research projects funded locally and internationally.



## **Training and educational programs**

Designing and organizing training and educational programs in cooperation with the Faculties of Physical Therapy and Pharmacy at Heliopolis University, as well as with local and international partners. These programs are based on the following:

- Promote and support the holistic concept of integrative health
- Education in the use of homeopathy with natural materials.
- Safe use of medicines
- Promote the concept of healthy food, how to choose it, the meaning of malnutrition and how to avoid it, and the impact of organic food and a sustainable diet on health
- Maternity and reproductive health
- Diseases of aging and the health of the elderly
- Chronic diseases (blood pressure, diabetes, hyperlipidemia, etc.)
- Train the trainers and develop mentoring and coaching offers
- Educating and training doctors, pharmacists, and therapists
- Promote the basic concepts of ethics for scientific and field research



# Rural Development Center

The center provides its services and consultations to the surrounding communities, located in Sharkia Governorate focusing on the surrounding areas of the Ismailia Canal to enable their members to develop their communities by themselves and their local resources in a socially, economically, environmentally, and culturally sustainable manner.

The center is directed to be an Egyptian role model connected to the world to provide solutions and workable practices to achieve sustainable development in rural communities in line with SEKEM's vision for sustainable development in Egypt 2057.

Services and consultations are provided to the surrounding communities in order to enable their members to develop their communities by themselves and their local resources in a socially, economically, environmentally, and culturally sustainable manner



## The Heliopolis University Center for Rural Development provides services and activities:

- Training and Capacity Development Programs on organic agriculture for farmers in the villages of Sharkia Governorate in cooperation with the Faculty of Organic Agriculture and the Egyptian Biodynamic Association.
- The center offers training programs on social entrepreneurship in the field of agro-food for young people in the villages of Sharkia Governorate as well as opportunities and empowering women in rural communities in order to establish small projects that generate stable income in cooperation with the Entrepreneurship Center at Heliopolis University.
- Participatory applied research to achieve sustainable rural development in four dimensions of life: social, economic, environmental and cultural. Conducting workshops, scientific symposiums and research conferences focusing on sustainable rural development in Egypt and sharing and disseminating best practices

# Climate & Energy Research Center



The center strives to be a pioneering and accredited center for calculating the carbon footprint at the local and international level. Excellence in calculating the carbon footprint, preparing the environmental reports and the strategic and operational planning necessary to limit the causes of climate change and global warming. At the same time it develops renewable energy solutions for all kinds of energy needs in Egypt.

### **CFC aims to mitigate the climate change and reduce the threat of the global warming by:**

- Calculate the amount of gases emitted from the different activities of the companies and the products in order to Evaluate its impact on climate change and Preparing the environmental and the strategic reports necessary to achieve a reduction in the amount of gases emitted and thus in operating costs.
- Encourage desert land reclamation and afforestation project
- Increase awareness of the harmful effects of climate change on the local and international community
- Boost the marketing of the company and its products by promotes positive, environmentally conscious company image and increase the competitiveness of each company
- Collect information needed in order to calculate carbon and water footprint assessment
- Preparing studies and reports for installing renewable energy stations
- Encourage companies to investment in the renewable energy



### **Activities and services**

- Carbon footprint assessment
- Water footprint assessment
- Carbon sequestration assessment
- Technical consulting for afforestation and carbon neutrality project
- True costing account assessment
- Training and workshop to raising the awareness of the threat of climate change and global warming
- Providing technical studies and reports for installing renewable energy stations
- Calculating percentage of carbon saving from installing renewable energy stations

Website: <http://cfc.hu.edu.eg/>



# Ecosystem Research Center

Heliopolis University Center for Ecosystem Research is a pioneering and reference center conducting necessary studies and finding appropriate solutions to achieve sustainable development in desert areas at the local and regional levels.

The center aims to contribute to achieving sustainable development in desert areas through studies, research and community activities aimed at the following:

- Natural resource management typically in desert areas
- Monitoring and evaluating field research in the desert of Egypt and establishing a database of natural resources and desert studies
- Developing methods and solving problems and obstacles related to sustainable development in desert areas by greening the desert
- Developing organic farming methods and spreading awareness of the shift from traditional to organic farming
- Research in new, renewable and non-traditional energy sources
- Developing water resources and rationalizing water consumption
- Reducing environmental pollution, carbon emissions and waste treatment
- Maintaining the ecological balance and biological diversity in desert areas



- Spreading awareness of integrative health and health culture for different age groups
- Developing the social and economic aspects of social life and the economic situation by spreading awareness and education on the principles of entrepreneurship, production and balanced conscious consumption
- Transferring knowledge and experiences through publishing and exchanging relevant scientific research, providing appropriate advice and assistance to beneficiary groups, cooperating with local and international scientific societies, and organizing workshops, seminars and conferences that deal with the developmental aspects of the Sahara.
- Cooperation with Commonland: <https://www.commonland.com>



# Entrepreneurship & Social Innovation Center

The center aims to be the engine for creating sustainable start-ups; this will be achieved through providing customized support services for early stage entrepreneurs enabling them to create growing financial returns and social impact to local and global markets through:

- Spreading the culture of innovation and entrepreneurship and developing the skills of innovators and entrepreneurs through courses, workshops, programs and various events
- Developing the entrepreneurial thinking among university and community members and qualifying them to enhance their competitive capabilities and establish entrepreneurial projects
- Spreading the culture of teamwork and partnership among university students
- Strengthening relationships with the Initiatives Development Center and funding bodies to help entrepreneurs successfully marketing their own projects
- Supporting entrepreneurship through the incubator center for establishing and financing start-ups
- Providing technical and logistical support to develop prototypes of applicable and innovative ideas
- Make agreements with the specialized authorities to establish production lines and equipment for food products, information technology and other fields, to support emerging companies.



- Encouraging a culture of creativity, innovation, and patents by building distinguished relationships with researchers, partners, the business sector and society
- Concluding local and international strategic partnerships with the leaders in the field of innovation and entrepreneurship
- Establish a FabLab on the Campus. A fab lab (fabrication laboratory) is a small-scale workshop offering (personal) digital fabrication. It is equipped with an array of flexible computer-controlled tools that cover several different length scales and various materials, with the aim to make "almost anything".

<https://www.hu.edu.eg/category/heliopolis-university/hu-entrepreneurship-center-for-social-impact>

<https://www.SEKEM.com/en/creativity-and-entrepreneurship-program/>



# Organic Agriculture Center



Since organic agriculture is the cornerstone of sustainable development, which in turn is HU's main goal, the Center of Organic Agriculture was founded to support the provision of services to all farmers and institutions in the field of organic agriculture based on scientific and developmental basics and methods in order to promote organic agriculture in Egypt and other countries.

The center is directed to be a leading and internationally accredited center, for certifying organic and sustainable products and their inputs in Egypt and Africa, and to establish awareness for organic agriculture.

It seeks to provide inspection services for the inputs and outputs of organic agriculture and to grant certificates for organic products and their inputs in Egypt and Africa in accordance with international and national standards through:

- Obtaining international recognition for inspection of organic agriculture
- Providing training and other services to spread the concept and philosophy of organic agriculture in order to establish sufficient awareness and experience for farmers and those interested in the field
- Lobbying for organic agriculture in Egypt and internationally





# Space of Culture

The driving philosophy of the Space of Culture is based on the connection and integration of various cultures in a central point in Egypt. It represents the meeting of the East, West, North, and South here in Egypt, the crossroad of civilizations. Here, all cultures and ideas can be enmeshed in a series of dialogues, performances, exhibitions, etc. to enrich the region with a diversity of ideas, beauty, and cultures. The Space of Culture serves as a lighthouse for the whole community.

## Main Beneficiaries

The Space of Culture is meant to be an enlightening forum for students, academic staff as well as residents of neighboring villages and cities, national and international culturists, researchers, entrepreneurs, partner universities, and SEKEM friends. Its impact will be witnessed at both local and international levels. It significantly helps to raise new generations that are able to express themselves. It also guides them to refine their talents, feelings, and thoughts.

<http://www.spaceofculture.com/about>





# Student Activities

Student life on-campus invites students to explore their individual potential and capabilities through numerous extracurricular activities.

## Student Life at Heliopolis University features:

- Facilities for artistic activities
- Diverse sports activities
- Cultural events
- Social service
- Volunteering opportunities
- Career counseling services

## Student Union



For youth leadership development, HU promotes the importance of Student Union development and progress. The Union is election-based and follows the bylaws of the Egyptian Higher Education model. HU Student Union tries to follow international best practices.

[read more](#)

## Student Clubs



IEEE (Institute of Electrical and Electronics Engineers) is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

[read more](#)



EPSF (Egyptian Pharmaceutical Students Federation) is a non-governmental and nonprofit pharmacy students' organization. EPSF Heliopolis is a full member of the EPSF and one of its 32 associations. Its role is to promote and improve public health through provision of information, education, networking and a range of publications and professional activities.

[read more](#)



EUPTS (egyptian union of physical therapy students) is a scientific non-governmental and non-profit organization for physical therapy students. It is an independent organization under the supervision of the General Physical therapy Syndicate. EUPTS was founded in 2015.

[read more](#)



Life Makers Foundation Egypt (LMF) is a national, non-governmental, non-profit organization that was established in 2011. The Foundation is based on volunteering and has been working since its inception on the development of young people to build their capacities in order to work on developing societies and responding to their humanitarian and relief needs in the areas of youth development, education, health, livelihoods, basic needs and the environment.

[read more](#)



## Hult Prize

The center launched the second cycle of the Hult Prize on Campus, where students will pitch their ideas to have a positive impact on our planet. We are expecting 25 teams of around 85 students to go through capacity building programs and a pitching competition.

[read more](#)



Enactus HUSD is a community of change makers in Heliopolis University for Sustainable Development in Cairo. The team is working on disrupting how student-led activities can lead to a change in the community while gaining a self-actualizing, life-changing experience

[Enactus](#) is the world's largest experiential learning platform dedicated to creating a better world while developing the next generation of entrepreneurial leaders and social innovators. The Enactus network of global business, academic and student leaders are unified by our vision—to create a better, more sustainable world. Explore more about Enactus HUSD's latest activities and events by visiting their [Facebook](#) page.



## Oikos Cairo

Oikos International is a student-led non-profit organization for sustainability in economics and management. Founded in 1987 in Switzerland, it empowers student change agents worldwide to embed sustainability in academia and from there into day-to-day business, government and personal activities.

We established in 2021 a local oikos chapter Cairo together with the American University that is now working as a student club. Worldwide there are more than 80 Chapters existing. The chapter gives access to the funded international programs for personal development to students. The chapter plans events and is running projects in the field of sustainability. In June 2021, the first youth leadership event "Micro Leap" took place at HU.

<https://oikos-international.org>

# International Events

## Conference on Solutions for Scaling up Agroecology

In 2019, the SEKEM World Future Council Members, three Alternative Nobel Prize winners, government representatives from Egypt and Germany, scholars, experts in the field of agroecology, and international associations' heads got together at a conference which took place at Heliopolis University to discuss solutions for scaling up agroecology.

[read more](#)

## Symposium of the Natural Products Research Network for Eastern and Central Africa

In December 2019, Heliopolis Hosted the 18th Natural Products Research Network For Eastern and Central Africa (NAPRECA) Symposium. In this 3 day event, over 100 leading scientists and junior researchers in the field of pharmacognosy and phytopharmacy from 11 countries in Africa, and Europe discussed their latest findings and promising developments. At this event, HU also became the headquarters of the Egyptian NAPRECA chapter.

Demonstrating sustainability, The Egyptian Network activities build on HU's first EU-financed project, DOPSE-TEMPUS, that developed a phytopharmaceutical curriculum for Egyptian Universities from 2005 to 2007.

[read more](#)

## SEKEM Summer School

Intercultural Dialogue for a Sustainable Future

In 2019 the [SEKEM Development Foundation \(SDF\)](#), [Heliopolis University for Sustainable Development \(HU\)](#) and [Centre for Arab-West Understanding \(CAWU\)](#) organized the first summer school: 'Intercultural Dialogue for a Sustainable Future' to foster the understanding of cultural diversity and international friendship, thus promoting peaceful and sustainable development.

During the Summer School, participants explored different ways of meeting each other beyond the boundaries of different cultures, languages, nations, religions and gender.

[read more](#)

## World Social Initiative Forum

Full of excitement, more than 250 people from all around the globe came to the [Social Initiative Forum 2019](#) that took place at [SEKEM](#) and [Heliopolis University](#). All of them were connected by the eagerness to learn from one another different ways and examples on how to unfold individual potential.

The Social Initiative Forum and SEKEM have a clear vision in common; that vision is to enable and empower all humans as individuals and as community members at the same time. "The SIF in Egypt brought together people from all over the world who share a spark. This spark lies in believing in your own potential and in that of others," described Truus Geraets. Truus Geraets and Ute Craemer initiated the [World Social Initiative Forum \(WSIF\)](#) in 2000 to create a network of individuals, initiatives and organizations who share this vision and belief.

[read more](#)

## World Dignity Conference

In collaboration with the ["World Dignity University"-Initiative \(world dignity university.org\)](#) and the [SEKEM Friends Association Scandinavia](#) the network ["Human Dignity and Humiliation Studies" \(HumanDHS\)](#) hosted its [31st annual conference](#) at [SEKEM](#) and [Heliopolis University](#) from September 21-24 2018;

[read more](#)

2018 Heliopolis University hosts the International Conference "PV Applications in Egypt: Strategies to Meet the Challenges of the Future"

[read more](#)

## Right Livelihood

2014, Public day with laureates of "Alternative Nobel Prize" from Africa and the Middle East in June 2014, Cairo, Egypt with an appeal to the heads of states and governments of the African Union to start implementing the roadmap for Ecological Organic Agriculture in Africa.

For more Events

<https://www.hu.edu.eg/news/>



# International Cooperation

## *A Gateway to the Wider World*

### International Mobility and Exchange

Heliopolis University places significant emphasis on providing its students with international experiences and global exposure. The university signed multiple agreements and established funding channels to send students to international universities for 1-2 months internships or to spend a semester abroad. Concurrently, through these agreements, international students are also invited to come to study at the university, providing a unique chance for cultural exchange and internationalization at home. Similarly, administrative and teaching staff members of the university regularly travel to partner universities to give guest lectures or participate in training programs as part of our international exchange. In this respect, HU particularly profits from participating in the EU financed ERASMUS higher education development program and its predecessor TEMPUS, with activities starting already in 2005 with DOPSE-Tempus.

The university signed over 35 agreements for international cooperation, and has sent many students to spend at least a semester abroad in various European and international universities. Finally, each year, various international professors and instructors are invited to give guest lectures and sessions to students and staff in the university and to broaden the intellectual discussion. We feel strongly that successful international exchange and study programmes play a major role in economic and social stability worldwide.

[www.hu.edu.eg/about/partners/](http://www.hu.edu.eg/about/partners/)

### Erasmus+ Mobility Programme 2020/2021



University of Maribor  
(Slovenia)



EMUNI  
(Slovenia)



Polytechnic of Medimurje  
(Croatia)



Swedish University of  
Agricultural Sciences  
(Sweden)



Alanus Hochschule für  
Kunst und Gesellschaft  
(Germany)



Zuyd University of Applied  
Sciences  
(Netherlands)



FH-Joanneum  
(Austria)



Tu graz  
(Austria)



Botho University  
(Botswana)

# National & International Cooperation

## Internships

Heliopolis University offers the Internship Program as a gateway to real-life engagement and commitment. Through the integration of on-campus studies with internships at national, international and multinational companies and organizations, students are provided with the opportunity to gain valuable experience through authentic practice in a real world setting prior to entering the professional life, under the supervision of knowledgeable and experienced Academic Internship Advisors and distinguished Internship Partners. Giving all students the possibility to spend some time abroad, studying or through an internship, is have set, to enable students to experience diverse cultures and working environments. The Internship Program locally or abroad is mandatory for all students in all faculties to complete the requirements for the graduation credit degree.

## Corporate Network

To integrate and ensure practical experience within the students' academic work at Heliopolis University, the following has been established:

- Corporate Partners' Network, working in the field of sustainable development
- Strategic alliances with industry partners to benefit the Internship Program
- Membership of the "University Chair on Innovation" network that links enterprises and universities to solve industrial problems through applied research
- problems through applied research

## International Partnerships

Heliopolis University is actively involved in research projects with national and international universities in the fields of business and economics, renewable energy, water, agriculture, mechatronics, biotechnology, pharmacy, and medicine for several years.

*Among others, Heliopolis University implements international partnerships with the following entities:*

- **Germany:** Alanus University, Marburg University, RWTH Aachen, University of Hohenheim, Heilbronn University  
University of Osnabrück, Baden-Wuerttemberg Cooperative State University (DHBW),  
University of Witten-Herdecke
- **Egypt:** Cairo University, Ain Shams University
- **Slovenia:** University of Maribor, ZRS Koper
- **Netherlands:** Zuyd University of Applied Sciences
- **Austria:** TU Graz, Kunstuniversität Graz
- **Cyprus:** Frederick University
- **Italy:** CIHEAM Bari
- **Jordan:** Jedarah University
- **Tunisia:** Technical Centre of Organic Agriculture

In recognition of its significant research activities and adherence to the fundamental values of academic freedom, institutional autonomy, and integrity, Heliopolis University was invited to sign the Magna Charta Universitatum of Bologna among over 800 high-profile international universities from 86 countries around the world. The Magna Charta Universitatum is a document that contains principles of academic freedom and institutional autonomy as a guideline for good governance and self-understanding of universities in the future. Furthermore, Heliopolis University is a partner of the Regional Centre of Expertise on Education for Sustainable Development in Cairo, acknowledged by the United Nations University in Tokyo.



# Governance

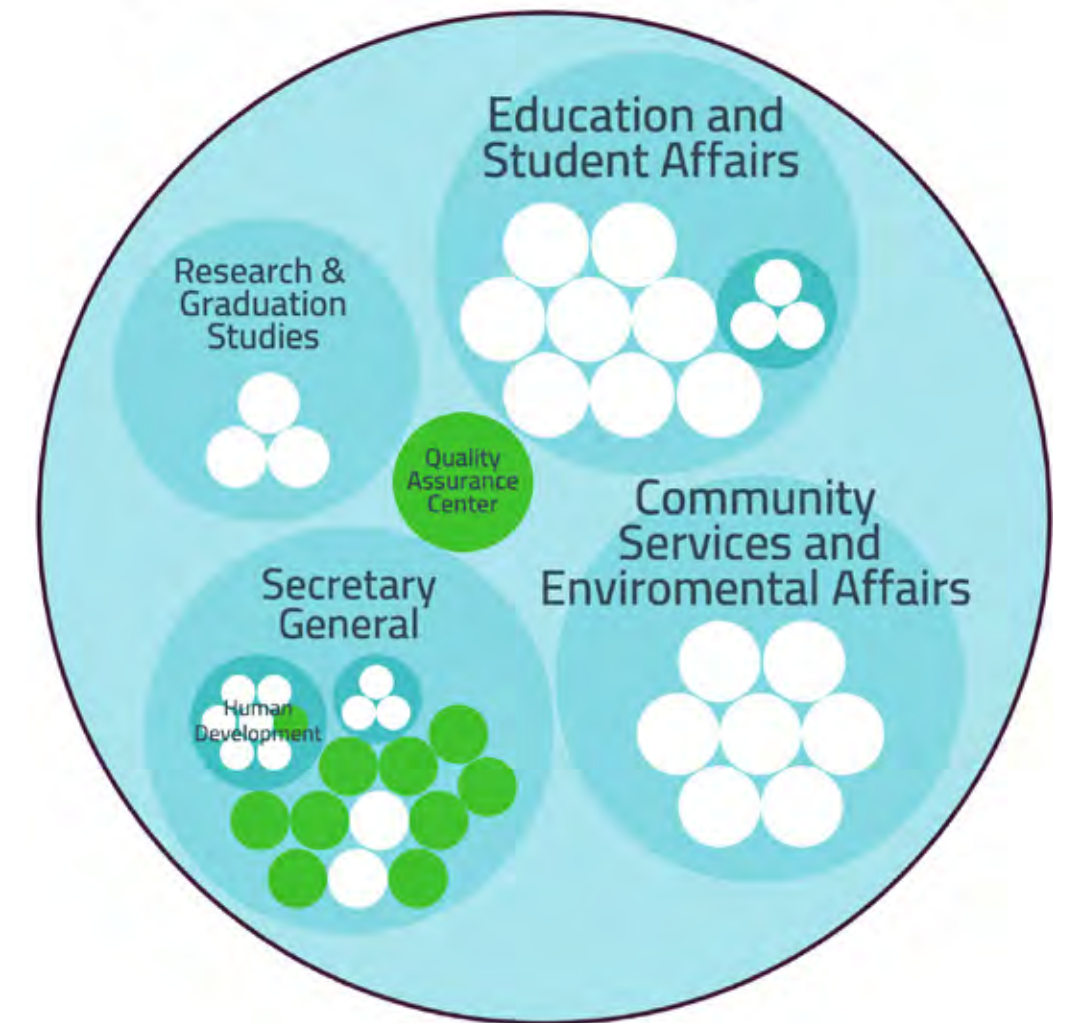


Prof. Mohamed Yousri Hashem is the President of Heliopolis University for Sustainable Development and the former Dean of the Faculty of Agriculture, [Cairo University](#). He is one of the world's foremost experts in Organic and Biodynamic Agriculture. During his time as Dean at Cairo University, Prof. Hashem developed one of the first Organic Agriculture Programs in Egypt, and at Heliopolis University he established the first Faculty of Organic Agriculture and the first non-public Faculty of Agriculture in Egypt. Prof. Hashem gained his significant experience on the international level after serving as the Vice President of [International Federation for Organic Agriculture Movement \(IFOAM\)](#), as well as working as a lead auditor for multiple international organic accreditation bodies such as: [Soil Association](#), England, [Fair Trade International](#), Germany, IFOAM, [Bio-Suisse](#).

## Board of Trustees

- Mr. Helmy Abouleish – Chair of the Board
- Dr. Kadria Abdelmotaal – Former Research Director at Heliopolis University
- Dr. Mamdouh Abouleish – Deputy CEO of SEKEM Group
- Mrs. Gudrun Abouleish – Member of SEKEM Holding
- Mrs. Konstanze Abouleish – Member of SEKEM Development Foundation
- Mrs. Mona Abouleish – Member of Abouleish Foundation
- Prof. Dr. Hermann Becke – Ret. Vice President at University for Music, Graz
- Mr. Rembert Biemond, MSc. – Independent Consultant
- Prof. Dr. Marcelo Da Veiga – Founding President of Alanus University of Arts and Social Sciences and Professor of Philosophy and Social Innovation
- Prof. Dr. Gamil El Sagheir – Dean of the Faculty of Law, Ain Shams University
- Dr. Monika Griefahn – Institute for Media Environment Culture
- Prof. Dr. Abdel Hamid El Zoheiry – President at Euro-Mediterranean University (EMUNI)
- Dr. Ragnhild Nielsen – Founder of Global Fair Trade, Norway
- Prof. Dr. Hani Sewilam – Academic Director at the Technical University Aachen (RWTH)
- Prof. Dr. Hans Suenkel – Former President of Graz University of Technology
- Prof. Dr. Mohamed Yousri Hashem – President of Heliopolis University

## Heliopolis University for Sustainable Development



# 10 Years Outlook

*“The University develops an environment, which forms not only the personality, but within it, the developed cultural person awakens, for whom it will not be enough to be educated, but he should be the source of the development. For him, it will not be enough to be cultured, but would wish to develop the cultural life.”*

**Ibrahim Abouleish (1937 - 2017)**

The University for Sustainable Development was conceived from the beginning to cover all four dimensions (cultural, economic, social and ecological). The different dimensions were thought of by Dr. Ibrahim Abouleish to develop innovations, practical implementation and cultural impulses. It was always his goal to address societal challenges holistically. Following his lead, we continued to formulate our vision for Egypt and the HU mission for 2057 in all four spheres of life and formulated 16 Vision Goals. Dr. Ibrahim Abouleish accomplished a miracle in the desert within the past 40 years. We wish to produce many more miracles inspired by his philosophy.

In the last 10 years, only five faculties could be implemented due to restrictions of available land at the Cairo campus. In line with HU's plans for increasing its impact in Egypt, reaching under-served communities and getting closer to the Vision Goals, we will open the new campus in Q3 2022 with the Faculty of Dentistry.

It was agreed with the Minister of Higher Education and Scientific Research to build the new campus in Al-Adlia, Belbeis City, Al-Shrakaya.

## Challenges

The second campus poses new challenges that we have to overcome.

- How to include all our interdisciplinary and holistic courses, concepts and programs in the curricula of all the faculties.
- Finding self-motivated professors and staff for the new courses, concepts and programs will be another major challenge. Especially because the campus is in the countryside, and we need dedicated staff that supports sustainable development in an underprivileged area in the Egyptian countryside.
- This new campus will require several million euros in investment that we can barely finance over the next 10 years by our current shareholders, but we invite partners to invest in these new concepts of higher education for sustainable development to realize it earlier.



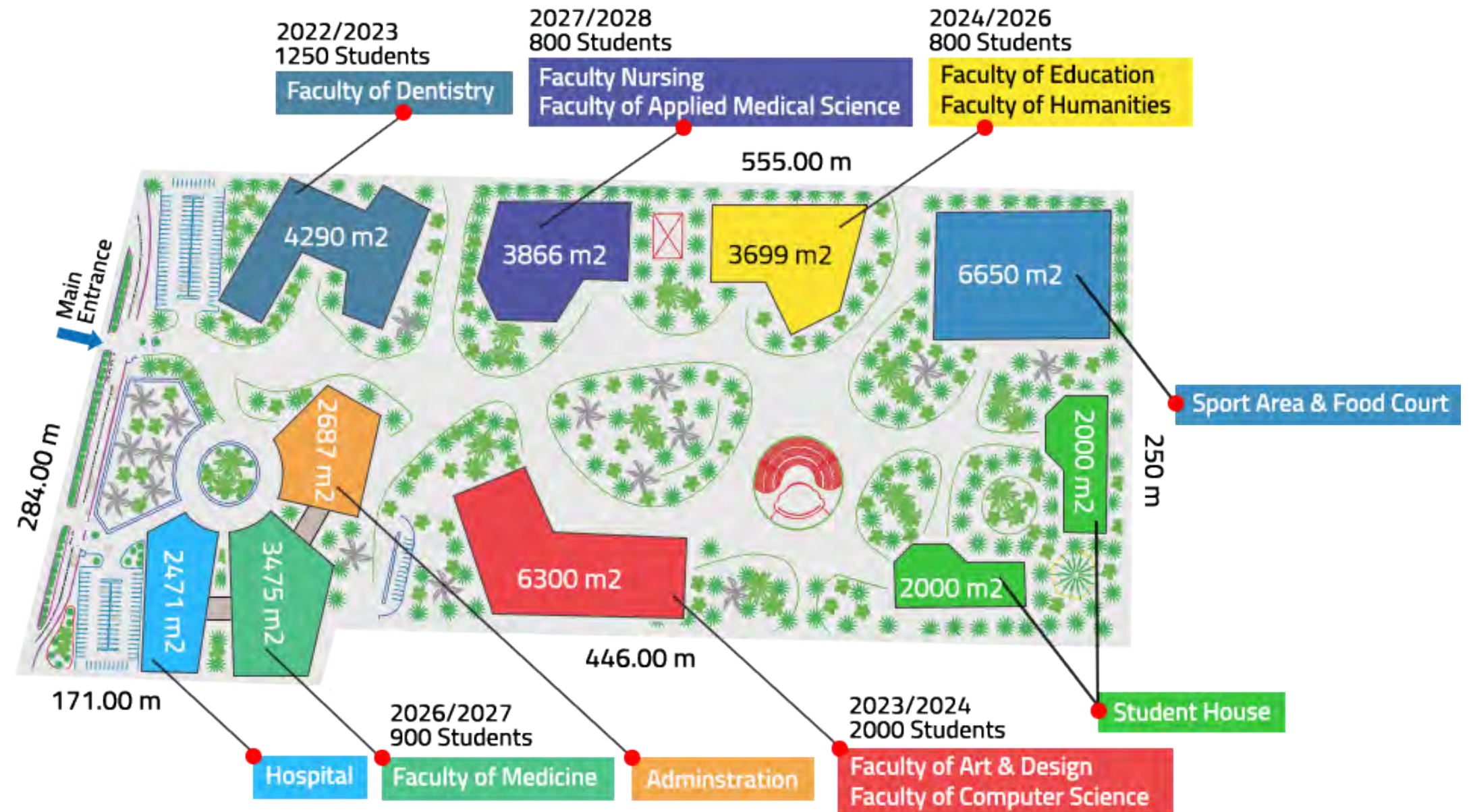
# El-Sharqia Campus Plan

## Construction of the Buildings

This new Campus will be built on 30 feddans (150000 m<sup>2</sup>) and will include eight new faculties, in the neighborhood of the SEKEM mother farm where everything started over 45 years ago. In addition to the campus buildings, dormitories for the students will also be built. The buildings will be constructed using sustainable construction methods and natural materials to be a leading example of modern sustainable construction in the desert.

The University is now building on land that belongs to the SEKEM founders and has to be purchased from them. The agricultural land has to be transferred to building land in the next months.

**Total area: 150.153 m<sup>2</sup>**  
**Building area: 33024 m<sup>2</sup> = 21.9%**  
**Total students: 6100**



# Heliopolis University

## New Faculties

After successfully inaugurating the university in 2012, establishing the faculty of pharmacy, the faculty of engineering, the faculty of business & economics, as well as the Core Program, and after reaching over 1,000 enrolled students, the university finalized its first phase. The second phase, which started in 2017, included buying the land and buildings that the university had so far rented from SEKEM, in order to gain independence and to be able to maintain the Presidential decree to run a university. We are very grateful to our partners Artava, Auwa and Evidenz that they have supported us to finance this important phase. In addition, the university has built and opened the faculty of physical therapy, the faculty of organic agriculture as well as the "Space of Cultures", as a place for intercultural exchange.

Phase three is now reached by opening the new campus in El-Adleya, Belbeis City, Al-Sharkeya and expanding the faculties and research facilities.

### Overview of Planned Faculties and Facilities

We will start in the winter semester 2022 with the Faculty of Dentistry and admit 250 students in the first semester. By opening the eight faculties over a period of ten years, we can build the campus step by step. The Faculty of Medicine requires a university clinic that has to be established prior to the faculty. The clinic will enhance the medical supply in the region with an integrative health approach that will be connected with SEKEM's own health insurance service.

### Faculty of Art & Design

For the fields of applied arts and architecture, we are in an exchange with the Alanus University of Arts and Social Sciences for innovative courses that reflect the future needs.

- Textile Design
- Graphic Design & Media
- Film & Photography
- Product Design
- Interior Design & Furniture

### Faculty of Artificial Intelligence & Computer Science

- Science in AI and Software Engineering

### Faculty of Humanities

- Languages
- Sociology
- Philosophy
- Art
- History

### Faculty of Education

- Primary Education
- Secondary Education

### Faculty of Medicine

### Faculty of Nursing

### Faculty of Dentistry

### Faculty of Applied Technical Medical Sciences



# Proud Past, Exciting Present, Grand Future

While we all know that a plan can be overruled by reality, the past 10 years have proven that placing sustainable development at the very core of Heliopolis University is possible. Accordingly, we are sure that the success story will continue and we are very much looking forward to the new campus as a vivid, inspirational place for creative young people who are eager to form the future.

We are grateful for all the support from within the university and from all over the world. Together we will continue the path of making sustainable and holistic development a reality for many more people in our country and around the globe.

There already is a wonderful network of supporters without whom 10 years of Heliopolis University would not have been possible. Special thanks goes among others to the SEKEM Friends in Europe, who have supported the establishment of the multidisciplinary Core Program through donations, expertise and consultancy. From the very beginning, scholarships for students with financial disadvantages have been strongly supported by many of our friends from around the world. This is highly appreciated as we know that creating miracles can never be achieved alone but only within a strong and reliable network of like-minded people!

For the upcoming years, we invite experts, participants and friends of the concept of sustainable development to continue shaping our second miracle with us: the Heliopolis University, a place that offers holistic education to all! Together we want to inspire and enable as many people as possible to unfold their individual potential! Therefore we rely on people who can support us in the following areas:

- Teaching and research
- Strategic alliances
- Partnerships
- Internship opportunities
- Mobility and exchange programs
- Donations
- Scholarship programs
- Investment

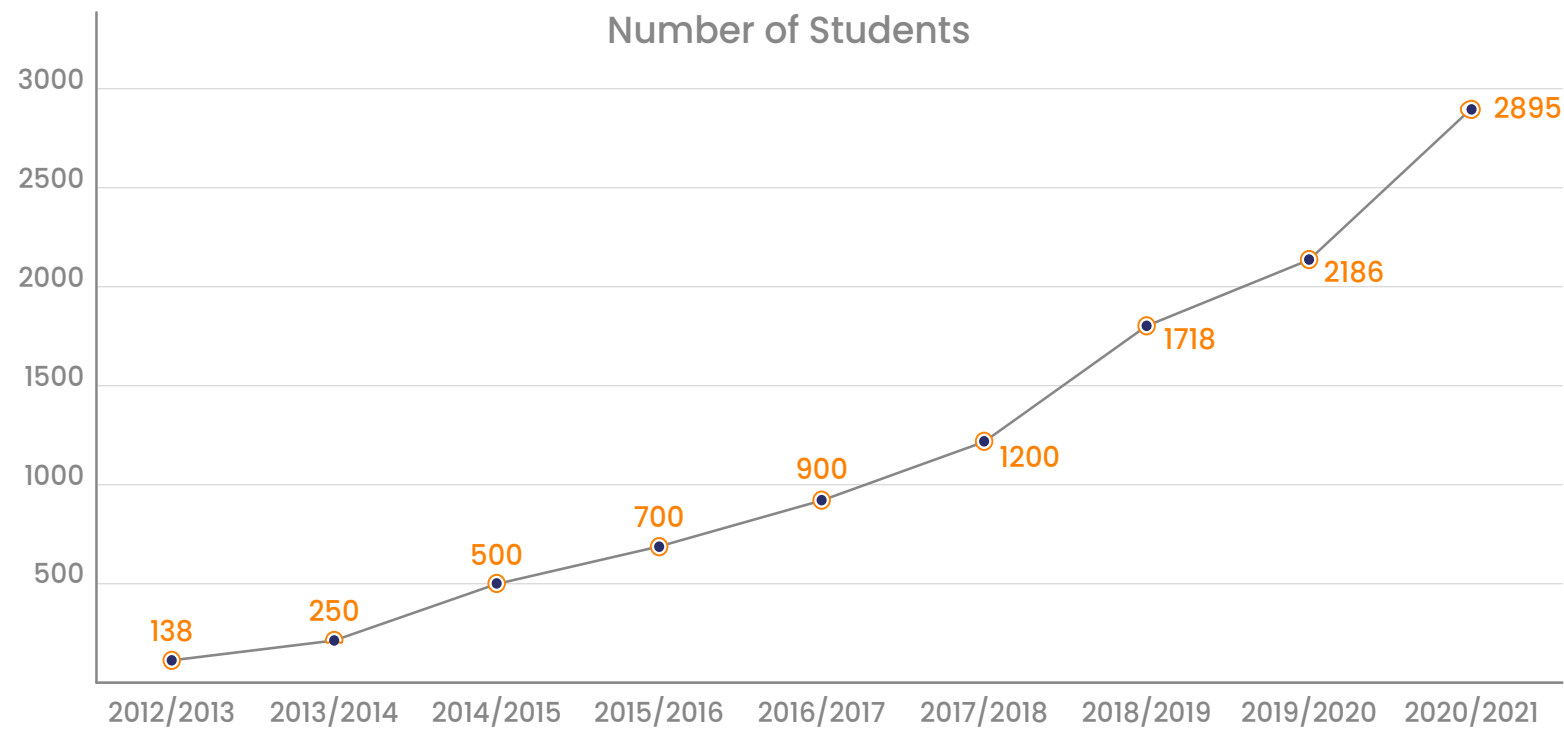
***For more information please contact:***

Email: [regina.hanel@hu.edu.eg](mailto:regina.hanel@hu.edu.eg)



# Facts and Figures

## Students



Enrolled Students in	Pharmacy	Engineering	Business	Physical Therapy	Organic Agriculture	Total Students
2016/2017	238	49	41	--	--	328
2017/2018	276	54	42	--	--	372
2018/2019	349	55	36	168	29	637
2019/2020	300	75	34	330	17	756
2020/2021	329	25	19	409	20	802
						<b>2,895</b>

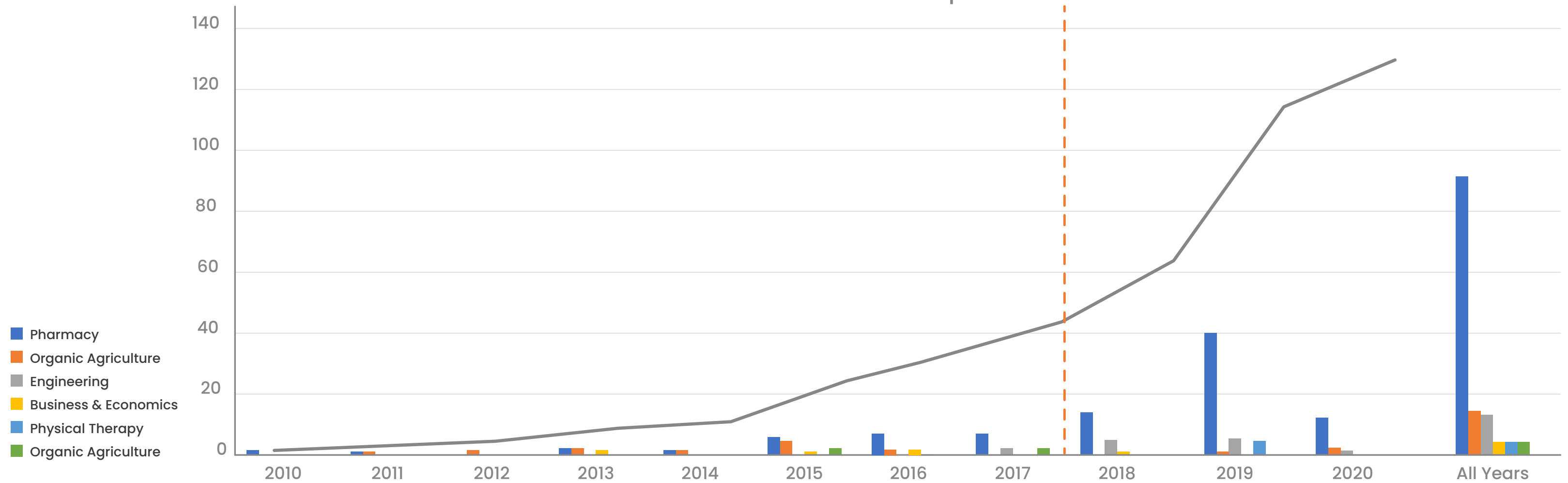
Students by Nationality 2020/2021	Egypt	Palestine	Syria	Yemen	Libya	Austria	UK	Morocco	Total
Pharmacy	1492	2	54	1	0	0	1	0	1550
Engineering	232	0	13	5	0	0	0	0	250
Business	118	1	6	2	0	1	0	1	129
Physical Therapy	886	1	11	3	2	0	0	0	903
Organic Agriculture	60	0	2	1	0	0	0	0	63
<b>Total</b>	<b>2788</b>	<b>4</b>	<b>86</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2895</b>

Graduates	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	Total
Pharmacy	0	61	110	122	189	482
Engineering	0	14	20	23	14	71
Business	6	32	16	29	20	103
Physical Therapy	0	0	0	0	0	0
Organic Agriculture	0	0	0	0	0	0
<b>Total</b>	<b>6</b>	<b>107</b>	<b>146</b>	<b>174</b>	<b>223</b>	<b>656</b>



# Staff

No. of Publications Indexed in Scopus



<b>Full-Time Faculty &amp; Assistant Faculty Members in 2021</b>	<i>Teaching Assistants</i>	<i>Assistant Lecturers</i>	<i>Adjunct Faculty</i>	<i>Assistant Prof.</i>	<i>Associate Prof.</i>	<i>Prof.</i>
<b>Pharmacy</b>	44	20	14	15	9	6
<b>Engineering</b>	9	8	19	5	4	2
<b>Business</b>	4	1	6	1	2	1
<b>Physical Therapy</b>	10	10	13	4	4	3
<b>Organic Agriculture</b>	2	3	8	4	3	2
<b>Total</b>	69	42	60	29	22	14
	<b>111</b>		<b>60</b>	<b>65</b>		



## Scholarship

Scholarship	Students	Amount EGP
2012/2013	107	1,401,120.00
2013/2014	227	3,050,911.00
2014/2015	332	3,867,405.00
2015/2016	551	5,803,845.00
2016/2017	461	6,261,460.00
2017/2018	454	6,157,910.00
2018/2019	745	8,136,217.00
2019/2020	701	9,591,971.00
2020/2021	700	13,573,019.00
<b>Total</b>	<b>4,275</b>	<b>57,843,859.00</b>

Scholarship %	Total No	Scholarship Amount
<b>5%</b>	8	24,350.00
<b>10%</b>	112	677,485.00
<b>15%</b>	262	2,428,034.00
<b>20%</b>	46	471,138.00
<b>25%</b>	23	358,906.00
<b>30%</b>	4	32,556.00
<b>35%</b>	8	124,495.00
<b>40%</b>	2	30,095.00
<b>45%</b>	3	44,660.00
<b>50%</b>	161	4,895,400.00
<b>75%</b>	1	36,000.00
<b>100%</b>	70	4,449,900.00
<b>Total</b>	<b>700</b>	<b>13,573,019.00</b>

# Issuer/Publisher

## **Issuer/Publisher**

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