



MUST Ranking Office

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



MISR UNIVERSITY FOR SCIENCE & TECHNOLOGY

SDG 9

"Industry, Innovation And Infrastructure"



SDG 9: Industry, Innovation, and Infrastructure

As well recognized institute devoted to developing innovative and creative graduates capable of effectively contributing to community development and national sustainable development goals, Misr university for science and technology foster the vision of Building a university community that stimulates innovation and entrepreneurship spirit across staff and students in all our schools. In our quest we founded several centers, initiatives, and events to educate our students and support our entrepreneurs.

Center for Innovation and Entrepreneurship



The center for Innovation and entrepreneurship (IE HUB) helps academics, researchers, and entrepreneurs to pursue innovative ideas and solutions, develop prototypes and advances to commercialization. The IE Hub serve the university vision for developing innovative and creative graduates capable of bridging challenges with creative approaches. Besides, the university provides communal and environmental services

as well as outstanding applied research that can support economic and social transformations and achieve sustainable development.

**مركز الابتكارات
وريادة الأعمال**

مجالات عمل المركز

- الإبداع وريادة الأعمال لبناء المنظمة الاقتصادية فاعلة وتنافسية.
- اكتشاف أفضل مشاريع التخرج سنويا وعلى مسنوع القطاعات العلمية والكليات وربطها بصناعة تكنولوجيا المعلومات.
- حاضنات أعمال جامعة مصر
- خدمة استشارات جامعة مصر

الهيكل التنظيمي للمركز

- رئيس جامعة مصر للعلوم والتكنولوجيا
- مساعد رئيس الجامعة للابتكار وريادة الأعمال
- الإبداع والابتكار
- حاضنات الأعمال
- خدمة الاستشارات
- مجموعات الإبداع

جامعة مصر للعلوم والتكنولوجيا
داعمون وشركاء في التطوير

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Entrepreneurship development program

Creativity of Misr University for Science and Technology:

Creativity and entrepreneurship are the key elements for building effective and competitive economic systems. Therefore, the Center prepares an entrepreneurship development program for university students and graduates to establish the concept of innovation among students during their university studies and is considered the best choice for those who seek to become entrepreneurs in the future.



Innovation of Misr University for Science and Technology:

Launching a competition for university students, in order to discover the best graduation projects annually and at the level of scientific sectors and colleges. The purpose of this competition is to discover innovative young talents and ideas and connect them to the IT industry, the medical and industrial sector and encourage students to develop new solutions that go along with the current technological trends.

Dr. Suad Kafafi's Annual Competition for Innovation, Creativity and Entrepreneurship

The Center organized its first annual competition for Innovation, Creativity and Entrepreneurship on the

occasion of the Silver Jubilee of Misr University of Science and Technology, entitled: "Dr. Suad Kafafi's Annual Competition for Innovation, Creativity and Entrepreneurship" from 16 to 29-9-2021.

Technology Centers



Artificial Intelligence Technology Center

[Artificial Intelligence Technology Center \(AITC\)](#) is located at Misr University for Science and Technology (MUST), Egypt. AITC aims at unleashing the potential of artificial intelligence in education, research and community services. AITC encompasses 6 units for conducting application-oriented research to support the transformation of MUST into a Smart Campus. It will also incubate selected spin-off projects initiated by the university faculty members, TAs and students. AITC also trains talented community members in starting their applications of artificial intelligence.

[Artificial Intelligence Technology Center \(AITC\) - Misr University for Science & Technology \(must.edu.eg\)](#)

Collage of pharmacy Student Experimental Factory (SEF-MUST)

Student experimental factory (SEF-MUST) is a fully equipped pilot scale production facility oriented to research improvement and community services established in January 2020. SEF- provides opportunities to MUST's students for training, learning, and application in an actual simulation of an industrial atmosphere with the processes and procedures that take place in the manufacturing world.

SEF-MUST also support researchers and entrepreneurs with innovative ideas for developing new cosmetics.

SEF-MUST Startups

SEF-MUST offered a professional training postgraduate diploma for graduates with innovative ideas for developing new cosmeceuticals. After completing the program, best projects teams were hosted as startups in the facility, where they can use the factory's facilities and equipment for their manufacturing process till starting up their own cosmetics companies and registering their products at the Ministry of Health. For more details please visit SEF-MUST page

- SOI Care
<https://instagram.com/soi.egypt?igshid=yymmymta2m2y=>
- Beauty Dose
<https://www.facebook.com/groups/235884479792818/?ref=share>
<https://instagram.com/beautydos.egy?igshid=yymmymta2m2y=>
- SK Cosmetics
<https://www.facebook.com/groups/1412489515924465/?ref=share>
- Ornella Cosmetics
<https://www.facebook.com/groups/478469646624538>

Production of sanitizers in SEF-MUST

Students and staff startup project. The Experimental Student Factory at the College of Pharmaceutical Sciences and Drug Manufacturing aims to serve the community and entrepreneurship through the manufacture of disinfectants, as manufacturing began in 2019 until now and serves the university's internal community with its products represented in hand sanitizer, surface disinfectant, and liquid soap

https://www.masrawy.com/news/news_various/details/2020/3/24/1749261/

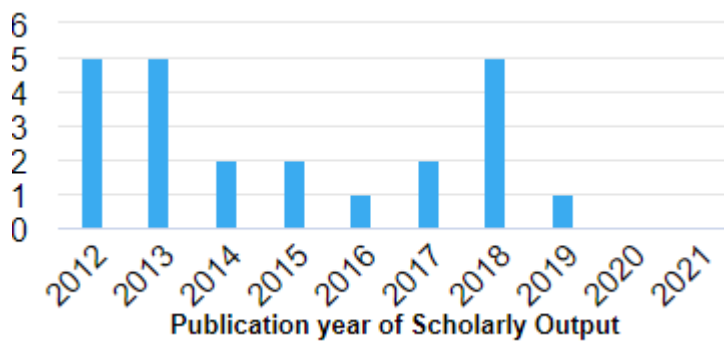
<https://www.elwatannews.com/news/details/4656697>

Metrics and indicators

9.1.1 Industry, Innovation and Infrastructure: publications

9.2.1 Number of patents citing research

Citing-Patents Count



count of patents citing the Scholarly Output published at the Misr University for Science and Technology is 100

Please visit scival Misr university for science and technology profile for for detailed patent list.

[SciVal - Patent Impact](#)

Citing-Patents Count at the Misr University for Science and Technology

Year range of Scholarly Output: 2012 to 2021

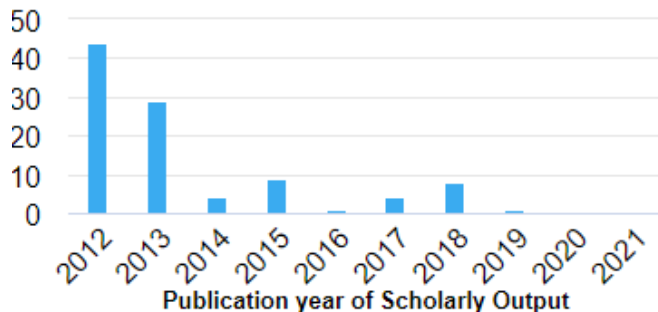
Export

100 citing-patents

Applicants/Owners	Title	Inventors	Applicants/Owners	Publication year of patents	Patent office
<input type="checkbox"/> Janssen Sciences Ireland Uc 14	Amino acid compositions and methods for the treatment of liver diseases	Hamill Michael, Lee Chung-wei, Afeyan Raffi and 2 more	Axcella Health Inc.	2021	US
<input type="checkbox"/> Axcella Health Inc. 8	COMPOSITIONS AND METHODS FOR THE TREATMENT OF FAT INFILTRATION IN MUSCLE	Hamill Michael, Comb William, Tramontin Tony and 1 more	Axcella Health Inc.	2020	US
<input type="checkbox"/> Janssen Sciences Ireland Unlimited Company 7	Compositions and methods for the treatment of fat infiltration in muscle	Hamill Michael, Comb William, Tramontin Tony and 1 more	Axcella Health Inc.	2020	US
<input type="checkbox"/> Constellation Pharmaceuticals, Inc. 6					
<input type="checkbox"/> Genentech, Inc. 6					

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Patent-Cited Scholarly Output



count of Scholarly Outputs at the Misr University for Science and Technology that have been cited in patents is 23

Please visit scival Misr university for science and technology profile for for detailed patent list.

[SciVal - Patent Impact](#)

Publications at the Misr University for Science and Technology that have been cited in patents

Year range: 2012 to 2021

23 publications | Save as Publication Set

Authors	Title	Authors	Year	Scopus Source	Patent citations
<input type="checkbox"/> Azzazy, H.M.E.S. 3 <input type="checkbox"/> El-Feky, S.A.H. 3 <input type="checkbox"/> Katritzky, A.R. 3 <input type="checkbox"/> Elagawany, M. 2 <input type="checkbox"/> Ibrahim, M.A. 2	Discovering best candidates for Hepatocellular Carcinoma (HCC) by in-silico techniques and tools	Mabrouk, M.S.	2012	International Journal of Bioinformatics Research and Applications	38
Misr University for Science and Technology 23	Design, synthesis, and molecular modelling of pyridazinone and phthalazinone derivatives as	Elagawany, M., Ibrahim, M.A., Ali Ahmed, H.E. and 5 more	2013	Bioorganic and Medicinal Chemistry Letters	12

Provisional patent filled by Misr University for Science and Technology students

1- Yasser Zinad, College of Physiotherapy, Deposit No. EG/P/2022/390

Subject: Designing a suit that enables patients with paraplegia and quadriplegia to move

2- Ahmed Tahoun, College of Pharmacy, Deposit No. EG/P/2022/1019

Subject: Innovation aims to reduce the time needed to know the optimal type of antibiotic for a bacterial infection to one hour and reduce the price of the test

3- Dr. Mohamed Abdel Aziz is a teacher at the Faculty of Special Education, deposit number EG/P/2022/0607

Subject: Designing a therapeutic suit for athletes

4- Hadeel Adam College of Human Medicine Deposit No. EG/P/167/2019

Topic: Designing a smart watch to diagnose heart attack and heart failure