ASU-ENG

Newsletter Fall 2018

ISSUE 03

EGYPT'S AIN SHAMS UNIVERSITY ESTABLISH PARTNERSHIP WITH UK'S EAST LONDON UNIVERSITY

A PARTNERSHIP AGREEMENT WITH MEDITERRANEA UNIVERSITY IN ITALY FOR AWARDING DUAL DEGREE







http://eng.asu.edu.eg/Newsletter Issue 03 Fall 2018

Newsletter

Inside this Issue

	01
Public Events	OT

Workshops & Seminars 11

Honors & Awards

Scholarships



18

21



Validation visit to FoE Ain Shams University

A British Validation committee visited the Faculty of Engineering Ain Shams University on Wednesday 1/08/2018. to validate the educational environment at the Faculty to deliver Dual Degrees with the University of East London, UK, in the following programmes: Environmental Architecture and Urbanism Building Engineering Computer Engineering and Software







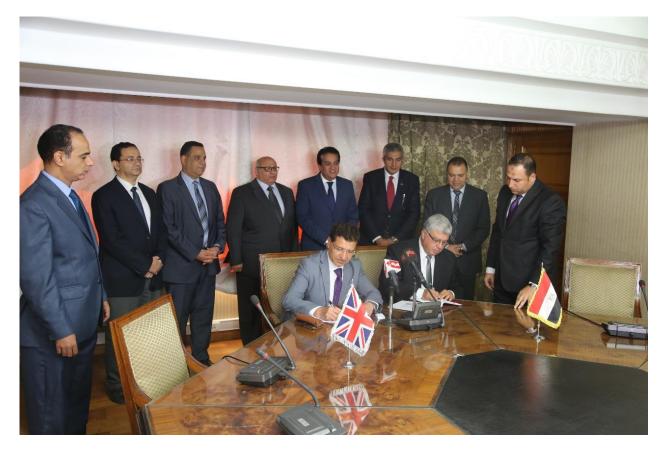
Issue 03 Fall 2018

Exclusive Newsletter

Public Events

Egypt's Ain Shams University Establish Partnership With UK's East London University





Ain Shams University and the University of East London have signed a 'twinning' partnership in a ceremony witnessed by Egyptian Higher Education and Scientific Research Minister Khaled Abdel Ghaffar, according to Egyptian Gazette.

This partnership aims at giving Egyptian students the chance to pursue bachelor's degrees at East London University in the fields of architecture, construction, computing, and information systems.

Abdel Ghaffar mentioned that the partnership is part of a bigger plan to raise the standards of Egyptian universities and institutes. He also mentioned the deeply-rooted relations between Egypt and the UK, especially in the fields of higher education, scientific research and technology.

This year, Egypt's National Authority for Quality Assurance and Accreditation of Education established a roadmap to address poor quality at universities, aiming in part to establish higher education institution partnerships. The roadmap is set to tackle poor quality in Egyptian higher education, which, in the Global Competitiveness report of 2017/2018, was ranked 130th out of 137 countries.



EXCLUSIVE Newsletter

Public Events

A Partnership Agreement with Mediterranea University in Italy for Awarding Dual Degree



The Faculty of Engineering at Ain Shams University has signed a partnership agreement with the department of Architecture at the University of Mediterranea, Italy, which is considered one of the oldest Italian architectural colleges, to award dual degree to both Egyptian and Italian students and to exchange scientific and academic experiences.

The agreement was signed at Ain Shams University (ASU), in the presence of Dr. Ayman Ashour, Dean of Faculty of Engineering, ASU, Dr. Mostafa Refat, Head of International Collaboration Office and the Director of Credit Hours System Programs, Dr. Mohammed Al-Fayoumi, unit Head of Landscape Architecture Program and Dr. Ahmed Sami, Coordinator of the Double Degree Program, Prof. Adelvo Santini, Dean of the Faculty of Architecture and Territory (dArTe). Prof. Marina Tornatura, Director of International Relations at the Faculty of Architecture and Territory, Christiana Pena, Academic Facilitator and Moataz Samir, Academic Facilitator.

The agreement aims at awarding dual degree from both universities, namely the BA of Architecture from Landscape Architecture Program and the equivalent to the Master of Architecture from Italy. This certificate is granted to Masters students by studying three years in Egypt and two years in Italy for Egyptian students and vice versa for Italian students.

The signing of the agreement came after intensive efforts and discussions that lasted more than a year, including several meetings and mutual visits between the two sides, which were done by Dr. Mohammed Al-Fayoumi, Unit Head of Landscape Architecture Program and Dr. Ahmed Sami, Double Degree Program Coordinator, This resulted with signing a memorandum of understanding between the two Faculties last February In Italy which was followed by a workshop for students in Italy last summer, These efforts were culminated with signing of the agreement and the award of dual degree.



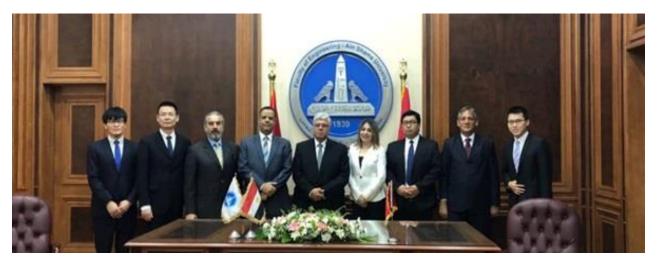


A strategic Partnership between Ain Shams Engineering and a Chinese Company to establish a Technological Oasis

The Faculty of Engineering, Ain Shams University, signed a memorandum of understanding (MoU) with CRBC, China's largest construction company to establish the Technology Oasis in El Obbour city. This aims to activate FUSION initiative, which was launched under the patronage of the Prime Minister, to link engineering education and scientific research with industry.

Under the MOU, the Chinese company will serve as the strategic partner of Ain Shams University in achieving its vision of the future by implementing FUSION initiative to create a true partnership between the academic community and the requirements of the national industry to stimulate innovation, develop local product and increase its competitiveness.

The agreement was signed by Dr. Ayman Ashour, Dean of Ain Shams Faculty of Engineering, and Tang Ji, Executive Director of CRBC China in Egypt, in the presence of Dr. Abdulwahab Ezzat, President of the University,







Issue 03 Fall 2018

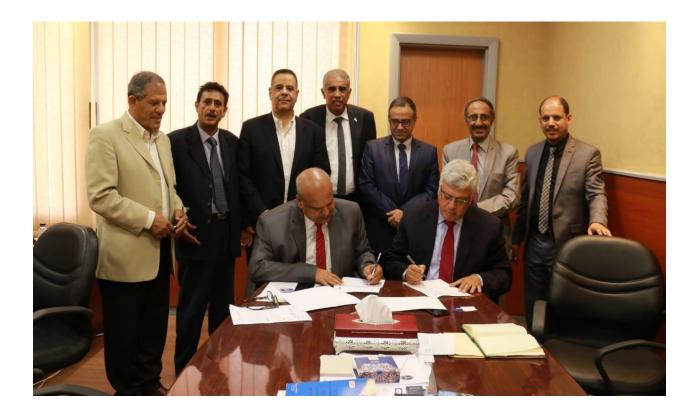


Public Events

Signing a Bilateral Cooperation Agreement FoE ASU and Faculty of Engineering - University of Aden

Thursday, 6th September 2018, a bilateral cooperation agreement was signed between the Faculty of Engineering - Ain Shams University (ASU) and Faculty of Engineering - University of Aden for cooperation in many academic areas, including the exchange of experiences in the areas of quality education - scientific research programs exchange students and faculty members.

The agreement was signed by Dr. Ayman Ashour, Dean of faculty of Engineering, ASU and Dr. Salah Mohamed Mubarak Dean of Aden faculty of Engineering In the presence of Dr. Al-Khader Nasser Lorsour, President of the University of Aden, Dr. Mohamed Mousa El Abadi, Yemeni Cultural Advisor to the Arab Republic of Egypt, Dr. Abu Bakr Mohammed Barheem Project Coordinator and Secretary of the Board of Trustees University of Aden, Dr. Omar Al-Husseiny Vice Dean for Community Service and Environmental Development Ain Shams University, Dr. Gamal Mohamed Hashem Director of the Unit of continuous development and quality assurance - Ain Shams University







Boeing International discusses the Cooperation with Faculty of Engineering Ain Shams University

Boeing International Company has also the intention to establish a strategic partnership with the Faculty of Engineering in the fields of Education and Scientific Research. A high-level Delegation from Boeing International and the High Board of the Faculty of Engineering at Ain Shams University, discussed the opportunities for the cooperation in the Fields of innovation, creativity, research projects and entrepreneurship, as well as developing the Scientific and practical skills of the faculty students.

Prof. Ayman Ashour, Dean of the Faculty of Engineering, Dr. Omar El Husseini, Vice Dean for Community Affairs and Environment, Dr. Maged Ghonema, Director of the Innovation Hub, as well as Boeing delegation attended the meeting in the presence of all the Vices and the Department Heads.

During their visit they reviewed all the training activities, innovation, research and Environmental Service which carried out by the faculty in general and in line with the interests of Boeing. The aim of this cooperation is to link the University with the needs of the Industry to improve the level of National Industry.





Cooperation Protocol between Ministry of Military Production and FoE ASU for the Manufacture of workshops Machines

Dr. Mohammed Saeed Al-Assar, Minister of State for Military Production and Dr. Khalid Abd El Ghaffar, Minister of Higher Education and Scientific Research witnessed the cooperation between Helwan Machinery and Equipment Protocol Signing Ceremony (Factory 999- Harbi), one of the Military Production Companies and the Faculty of Engineering, Ain Shams University, at the General Office of the Ministry of Military Production. He also explained that this protocol is intended to manufacture machines operated with CNC System and Digital control – cutting water and cutting laser as well as the development of regular machines to operate digital control system.

Dr. Khalid Abd El Ghaffar praised the level of the cooperation and coordination with the Ministry of Military Production because of its speed and accuracy in the implementation of projects and agreements with the highest quality in accordance with International standards. He stressed on his confidence in the capabilities and human resources of the Ministry that contribute to the implementation of National and Development Projects in accordance with the State Politicians. to strengthen the National Economy.

Prof. Ayman Ashour, Dean of Faculty of Engineering at Ain Shams University, expressed his happiness for Signing this Protocol due to the large experience of production military in dealing with Industrial Machinery and equipment. This will contribute in transferring modern Scientific expertise between ASU as a large Educational Institution and the Production Military as an Industrial Institution to create a strong Generation capable of linking Science with Industry.





A Joint Cooperation with the German Technical University in El- Gouna

A high-level delegation from Ain Shams University, headed by Prof. Ayman Ashour, Dean of the Faculty, witnessed the workshop held between Ain Shams University and the German Technical University (Technische Universität Berlin TUB) under the chairmanship of Prof. Matthias Barjenbruch, Director of the University Branch in El-Gouna. The Workshop lasted for two days at the Technical University of El Gouna which included the agreement of the two sides, to activate a double degree between the two universities in the Credit Hour Program at the Faculty of Engineering. These include Housing, and Urban Development, Program Energy and Renewable Energy Engineering Program and Civil Engineering and Infrastructure Program.

Dr. Tamer El Nady, Vice Dean of Education and Students Affairs, Dr. Mostafa Refaat, Director Office of Credit Hours Program and Director of the International Collaboration Office accompanied by the Professors and Coordinators of the three Programs, attended the Workshop. Dr. Mostafa Refaat explained that according to the agreement between the two sides, the students of the Credit Hours of these Programs will receive two accredited Certificates, one from Ain Shams University and the other from the German Technical University, Technische Universität Berlin TUB, pointing out that the Parties are taking final formalities of approvals and study the convergence and similarities in the materials taught by the Parties and the coordination to activate the teaching methods.





Delegation of the American University of Purdue visit to the University of Ain Shams

Prof. Abd El Wahab Ezzat, President of Ain Shams University, with Dr. Abd El Nasser Sinjab, vice President for Graduate Studies and Research, Dr. Fathi El Sharkawy, Vice President for Education and Students Affairs, Dr. Nazmy Abd El Hamid, Vice President for Community Service and Environmental Development, Dr. Ayman Ashour, Dean of Faculty of Engineering, Prof. Ahmed Galal, Dean of Faculty of Agriculture, Dr. Esraa El- Sayed, Director of the Office of International Relations at Ain Shams University, received a delegation from Purdue University USA, in order to discuss the ways of the joint Cooperation between the two Universities in the field of Energy, Engineering and Agriculture.

The Delegation had a tour at Al- Za'faran Palace and then they accompanied Dr. Ahmed Galal in a field visit to the Faculty of Agriculture.









A Visit to Al- Fayoum Government

Within the frame work of the vision of Ain Shams Engineering for Environmental Development and Community Service, an integrated team of all specialists in the Faculty and in Partnership with the fund of life of Egypt (Tahya Masr) visited Fayoum Government. A field trip was conducted with Mr. Essam, Saad, Governor of Fayoum to work on a pilot model for how to reach the sustainable Development of the Egyptian village. The local unit of Al- Ajmin village in Fayoum Governate was selected as an example to disseminate methodology and experience to village throughout the country. All studies are expected to be completed within two months. The proposed projects will then be implemented according to the overall priorities.







Newsletter

Workshops & Seminars

A Sustainability Training in Graz, Austria



A selected group from Teacher Support and Development Center (TSDC) have participated in through the Innovative Lifelong e-Learning for Professional Engineers (e-ProfEng) project in a Sustainability Training – Sustainable Development at the city of Graz, Austria during the period Oct 21-25, 2018. The host institution is StadtLABOR, a private research center. The training goals are: Acquiring knowledge about recent trends in sustainability and upgrading the academic staff skills about teaching and researching in this area. In addition, participants should understand the interdisciplinary challenge of sustainability in theory and practice, work out which issues are relevant for Egypt and how they can be communicated and acquire experience with selected E-learning training tools. The training program included: 1 introductory session day, 2 lecture- based days, 1 Site-visit based day and 1 Interaction-based day. The whole group from Egypt included 13 attendees form Different specialties (IT, Mechanics Production, Electric Power, City Planning, Water Resources).





Issue 03 Fall 2018



Workshops & Seminars

Closing the gap between Industry and Academia: Two Material Science Engineering Students of ASU in Germany

As a natural progression of the long-term partnership in chemical research collaboration between Prof. Fritz E. Kühn of the Technische Universität München (TUM) and Prof. Ghada Bassioni of the Ain Shams University (ASU) that was framed with a MoU between the two chemistry departments in 2011, a new initiative has arisen while Prof. Bassioni's visiting professorship at TUM this year. The initial academic work between the two scientists has now evolved to include more industrial partners, in this case, the Company Kürzeder und März. The involvement of Kürzeder und März Company as a sponsoring party is giving this collaboration not only the international, but also inter- and multidisciplinary flavor.



Meeting at Kürzeder & März on November 2nd with the Master students. (left to right: Dominik Huber, Friedrich von Hoessle, Ghada Bassioni, Reham Farid, Mayar Mohamed, Rudolf März)





Workshops & Seminars

Closing the gap between Industry and Academia: Two Material Science Engineering Students of ASU in Germany

The main objective of this specific project was to close the gap between the industry and academia by:

1. The establishment of industrial collaborations by signing an MoU between the involved parties.

2. Study carefully the needs of the industry and suggest optimization to current procedures.

3. Allow students to participate in developing a new process that enhances the current production in a technologically more modern way.

Reham Farid and Mayar Mohamed started their Master's degree under supervision of Prof. Bassioni in 2018 after they finished their Bachelor's degree in Materials engineering at the Faculty of Engineering, Ain Shams University, in June 2016. On October 1st 2018, Prof. Bassioni started the negotiations with Kürzeder & März Bleichhilfsmittel company to incorporate these two students to finish their Master theses in collaboration with them. Specifically, the experimental work to be done in the company and the mechanical tests at university. The students have arrived in Munich on November 1st to start their 6-months scientific stay and Master theses as planned until the end of April 2019.





Stakeholder Consultation Workshop

Wednesday 08/08/2018

Under the title of "Training Towards Entrepreneurship for Sustainable Development" round discussions were conducted on two main themes: 1) The role of Entrepreneurship towards sustainable development, 2) Supporting Entrepreneurship in Training Programs.

The session was opened by the Dean of the Faculty of Engineering, Ain Shams University, where he presented the achievements of students in previous years. The Vice President of University of East London (UEL) presented the British experience in development after students' entrepreneurship, Dr. Mohamed Yousef, the former Minister of Technical Education and Training, and a member of the Board of Directors of the Arab Contractors Company, delivered a lecture entitled: Occupational Psychology and Engineering Professionals.







The Third SDBE Training Program

The third SDBE training programme was held between 4 and 15 September 2018 at the University of East London. The training theme has been Resource Efficiency for Smart Cities. The aim of the programme was to promote sustainable and efficient urban development in diverse geographical and socio-cultural settings. The programme incorporated state-of-the-art case studies of smart buildings and cities to illustrate the resource efficiency approaches to design cities with minimal environmental impacts. The programme also emphasised technological innovations for smart cities and buildings.

The training sessions comprised lectures, workshops and specialist software advanced training; Integrated Environmental Solutions (IES-VE). Invited experts from UK Green Building Council, XCO2 and the Building Research Establishment (BRE) joined UEL and UoS academics in delivering workshops and site visits. Informative site visits showcasing smart building design in the UK was integrated. Those included a visit to BRE Innovation Park, The Crystal: A sustainable cities initiative by Siemens, Queen Elizabeth Olympic Park, and Kings Cross Development to appreciate smart cities design by resource efficiency. The second conference for Sustainable Design of the Buit Environment has been integrated into the training programme as an opportunity for the participants to engage in a lively and wide knowledge platform.







Workshops & Seminars

Faculty of Engineering Ain Shams University held an Informative Seminar on the Advantages of study Abroad in UEL

Faculty of Engineering Ain Shams University organized an Informative Seminar on the Advantages of study Abroad in UEL. The Seminar was held by Jonathan Dudley, Responsible for the Companies and International Cooperation in the presence of Dr. Mostafa Refaat, Director of Credit Hours Program and many Students from different Departments in "Palestine Hall".

Jonathan Dudley discussed in details all the possibility to study Abroad in EUL and how the Students will have a great opportunity to study Abroad. He opened his discussion by presenting a lot of pictures and Information about the University and the facilities provided to the Students. he also added that the Students can choose the field they desire to study like Computer Engineering Software System, Building Engineering. He presented all the facilities to apply for the application process as the Students can submit application from to UEL.

The Students asked Jonathan Dudley many questions about the University and all the facilities to apply for the University and Jonathan replied to their questions with a great pleasure.





Newsletter

Workshops & Seminars

Public Lectures

The faculty of Engineering at Ain-shams University has organized a set of important and remarkble public lectures



Opportunities to study in the UK "UEL"



Renewable Energy Potential in Egypt: Opportunities and Challenges



Egypt; a Future perspective



Jonathan Dudley

University of East London Representitive

Date: Wednesday 10th October 2018 Time: 10.30 am



Dr. S. Capareda

Professor and Faculty Fellow at Texas A&M University Member of the American Society of Agricultural and Biological Engineers (ASABE)

Date: Thursday, 8th November 2018 Time: 16.00 pm



Dr. Samir Farag

Senior Strategist, Security & Defense Advisory Board of the ARE President Former Governor of Luxor Former Assistant of Ministry of Defense, ARE Date: Thursday, 13rd December 2018 Time: 13 pm



Faculty of Engineering Ain Shams University

Newsletter

Honors & Awards

EVER Egypt: The First Electric Vehicle Rally in Egypt and the MENA region.



The 2018 Electric Vehicle Rally (EVER) Egypt is a national scale competition in designing an urban electric vehicle which was powered by the IHUB and funded by the ASRT. It was organized to challenge young engineering candidates to design, build and drive an urban concept of an electric vehicle. aiming to create more interdisciplinary engineering graduates with the needed knowledge,

The ASU Racing Team has won the 1st rank and the Innovation prize







Honors & Awards

Faculty Member Selected as a Future Leader

Dr. Yasser M. Sabry, an Assistant Professor in the Electronics and Comm. Engineering Dept. has been selected as a future leader to attend the dialogue between future leaders and Nobel laureates and the Science and Technology in Society (STS) forum 2018 in Kyoto, Japan. The Science and Technology in Society (STS) forum aims to provide a new mechanism for open discussions on an informal basis, and to build a human network that would, in time, resolve the new types of problems stemming from the application of science and technology. The forum community will also explore the opportunities arising from science and technology, and address how to remove the barriers to using science and technology to solve the problems facing humankind. The STS forum members are expected to participate, not as representatives of their country or organization, but as individuals expressing their own views. This forum is not necessarily a platform for specialists to unilaterally convey their knowledge, but rather an opportunity for real dialogue among peers. Participants should also undertake cross-border activities towards the establishment of shared values and commitment for the future: https://www.stsforum.org/. The participation of Dr. Yasser was supported by Japan Science and Technology Agency (JST).





Issue 03 Fall 2018



Honors & Awards

Graduation Project Placed 4th Among All Water Related Graduation Projects Of Egyptian Universities

The 2017-2018 Graduation project titled "Flood Protection for Al Galalh Water Desalination Plant – Ain Sokhna" placed 4th among all water related graduation projects of Egyptian Universities. Our students were honored during the Cairo Water Week sessions.



Minister of Water Resources and Irrigation with our students

Irrigation and Hydraulics Department is participating in the Regional Work shop intitled "Water-energy-food NEXUS in MENA Region" that will be held in Aswan during 11-17 November, 2018 through an international DAAD funded project (EXCEED) and is organized by Faculty of Agriculture - Zagazig University.

http://mena.exceed-swindon.org/announcements/





Scholarships

Calls for Scholarships

Best Grants, Scholarships & Financial Aid for College & University Students

Recent Calls

CARDIFF UNIVERSITY PRIFYSGOL CAERDYD	PhD in Engineering: Intuitive Human-Robot Collaboration in Unstructured Environments https://www.cardiff.ac.uk/study/postgraduate/funding/view/phd-in-engineering-intuitive- human-robot-collaboration-in-unstructured-environments Dead line: 2 July 2019
The University of Nottingham	Faculty PhD Scholarships for International Students at University of Nottingham Ningbo China, 2019 https://www.nottingham.edu.cn/en/graduateschool/phd-scholarships/facultyscholarships.aspx Dead line: March 15, 2019
Southampton	Fully Funded International PhD Studentships at University of Southampton in UK, 2019 https://jobs.soton.ac.uk/Vacancy.aspx?ref=1071718PN Dead line: August 31, 2019
university of York	Departmental Taught Masters Scholarships for International Students at University of York in UK, 2019 https://www.york.ac.uk/electronic-engineering/postgraduate/funding/ Dead line: April 30, 2019
RWITH AACHEN UNIVERSITY	RWTH International Academy Engineering Scholarship for Women in Germany https://www.academy.rwth-aachen.de/files/rwth/downloads/ENS- Dateien/Master%20Degree%20Programs/_Uebergreifende%20Dokumente%20Master/Scholar ships/Women%20in%20Engineering%20Scholarship%20Regulations%20JG%2018.pdf Dead line: March 1 each year
ing plail in a state of the second s	GE-SEED) German Egyptian Mobility Program for Scientific Exchange and Excellence http://www.stdf.org.eg/images/downloads/grants/International-Cooperation- Grants/GESEED/Call-11/GESEED_Infosheet_201819.pdf Dead line: January 10 2019





Scholarships

Calls for Scholarships

Best Grants, Scholarships & Financial Aid for College & University Students

Recent Calls

في STDF قيم باوندان التميز التكور Joint Chinese- Egyptian Research Proposals (STDF-CERF) Call#: (2):

http://www.stdf.org.eg/images/downloads/grants/International-Cooperation-Grants/Egypt-China/Call-2/Egypt-China_Co-Fund-_Call_2_11-2018.pdf

Dead line: December 30 2018



STDF Support of Scientific Events for Youth (STDF-SSE-Youth) Call#: (1) http://www.stdf.org.eg/images/downloads/grants/STDF-Youth/SSE-Youth/Call-

1/Scientific_Events_Call_1_youth_2018.pdf

Dead line: December 13 2018



STDF Support of Scientific Events (STDF-SSE) Call#: (7)

http://www.stdf.org.eg/images/downloads/grants/Capacity-Building-Grant/Support-of-Scientific-Events-SSE/Call-7/Scientific_Events_for_all_Call_Guidelines_2018.pdf

Dead line: December 13 2018



Researche Support-Youth Grant (STDF-RSGY) call Call#: (1) http://www.stdf.org.eg/images/downloads/grants/Capacity-Building-Grant/Young-

Researcher-Grants/Call-7/Research_Support_Youth_Guidelines-_Nov._2018.pdf

Dead line: December 13 2018



Targeted Call Pollution control Call#: 1

http://www.stdf.org.eg/images/downloads/grants/TargetedCalls/PollutionControl/Targeted__Call_Guidelines_Pollution_Nov._2018.pdf

Dead line: December 31 2018



For More Info:

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