

## Asmaa Sayed Hamouda

### 1- Contact Information

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<b>Scopus ID</b>	<a href="http://www.scopus.com/inward/authorDetails.url?authorID=57191166931&amp;partnerID=MN8TOARS">http://www.scopus.com/inward/authorDetails.url?authorID=57191166931&amp;partnerID=MN8TOARS</a>
<b>Web of Science Researcher ID:</b>	Q-3441-2016
<b>Research gate link</b>	<a href="https://www.researchgate.net/profile/Asmaa-Hamouda/research">https://www.researchgate.net/profile/Asmaa-Hamouda/research</a>

### 2- Personal Information

- **Name:** Asmaa Sayed Hamouda
- **Nationality:** Egyptian
- **Status:** Married-3 children

### 3- Education

<b>Institution</b>	<b>Faculty of Engineering, Cairo University, Chemical Engineering Department.</b>
<b>Date from to</b>	2008-2010
<b>Degree(s)</b>	<b>Ph.D.</b> in Chemical Engineering

<b>Institution</b>	<b>Faculty of Engineering, Cairo University, Chemical Engineering Department.</b>
<b>Date from to</b>	1998-2005
<b>Degree(s)</b>	<b>M.Sc.</b> in Chemical Engineering

<b>Institution</b>	<b>Faculty of Engineering, Cairo University, Chemical Engineering Department.</b>
<b>Date from to</b>	1992-1997
<b>Degree(s)</b>	<b>B.Sc.</b> in Chemical Engineering. <b>Graduation project:</b> Production of LPG from Naphtha By Hydrocracking process.

<b>Institution</b>	<b>National Planning Institute</b>
<b>Date from to</b>	2003-2004
<b>Degree(s) or Diploma(s) obtained</b>	<b>Diploma in Environmental Planning, Management and Sustainable Development.</b> Economic and Social Planning and Development Diploma in Environmental Planning, Management and Sustainable Development

## **4- Experience and position**

### **4-1 Academic Positions**

#### **4-1-1 Current Academic Positions**

<b>Years</b>	<b>Position</b>	<b>Institution</b>	<b>Brief responsibilities</b>
<b>June, 2024-Present</b>	Adjunct Professor in Pharmaceutical Engineering Department	German International University, GIU	<ul style="list-style-type: none"> <li>Teaching and Educational activities</li> <li>Course: 1- Environmental, Health and Safety, 2- Reactor design and chemical reaction , 3- Sustainability</li> </ul>
	Professor of chemical, Material and Environmental Engineering	Beni-Suef University Faculty of the postgraduate studies for advanced sciences (PSAS).	<ul style="list-style-type: none"> <li>Capacity building, Administrative and managerial activities,</li> <li>Academic and Professional Program Development.</li> <li>Educational , learning and researching activities in the Chemical and Environmental Engineering</li> </ul>
<b>2020-Present</b>	Director of the department of Environmental Science and Industrial development. (ESID)	Beni-Suef University Faculty of the postgraduate studies for advanced sciences (PSAS).	<ul style="list-style-type: none"> <li>Capacity building, Administrative and managerial activities,</li> <li>Academic and Professional Program Development.</li> <li>Educational , learning and researching activities in the Chemical and Environmental Engineering</li> </ul>
<b>Jan.-June, 2024</b>	Faculty abroad	UTAH State University (USU), USA.	<ul style="list-style-type: none"> <li>Faculty semester abroad.</li> <li>Research and Teaching in the Water Laboratory, USU.</li> </ul>
<b>2023-Present</b>	Expert for accreditation of higher education institutions	The National Authority for Quality Assurance and Accreditation of Education "NAQAEE", Egypt	<ul style="list-style-type: none"> <li>Review quality of academic standards of higher education, such as universities and colleges.</li> <li>Review Quality of Education Standards in Civil Engineering Program in Canadian Engineering Institute in Egypt.</li> <li>Review Quality of Education Standards in the Environmental Science Program in Faculty of Science, Alexandria University.</li> </ul>
<b>2019-Present</b>	Representative of BSU in the Applied Research and Sustainability committee,	Centers of Excellence of Agricultural and water in Egypt COE, USAID	<ul style="list-style-type: none"> <li>Participation in preparing National water road map in Egypt</li> <li>Monthly meeting for committee activities</li> <li>Participating in preparing a project research calls and documents</li> <li>Participating in organization of project annual symposium</li> </ul>

**4-1-2 Former Academic Positions**

<b>Years</b>	<b>Position</b>	<b>Institution</b>	<b>Brief responsibilities</b>
<b>2019-2024</b>	Associated Professor in Chemical and Environmental Engineering	Beni-Suef University, PSAS, Environmental sciences and industrial development Department.	Educational , learning and researching activities in the Chemical and Environmental Engineering
<b>2013-2019</b>	Assistance Professor in Chemical and Environmental Engineering		Educational , learning and researching activities in the Chemical and Environmental Engineering
<b>2015-2017</b>	Adjunct Assistance Professor	Zewail City /University of Science and Technology, Giza, Egypt. (Environmental and Renewable Energy departments)	<ul style="list-style-type: none"> <li>• Educational tasks , field visits, and workshops</li> <li>• Preparing and Teaching courses (Environmental Policy, economics and laws/ Environmental impact assessment) 3 credit hours each</li> </ul>
<b>1998-2013</b>	Chemical and Environmental Engineering instructor and trainer	<ul style="list-style-type: none"> <li>▪ Cairo University , Faculty of Engineering</li> <li>▪ Zakazic University, Faculty of Sciences</li> <li>▪ Egyptian Environmental Affairs Agency, EEAA</li> <li>▪ Federation of NGOs in Egypt and Environmental NGO's in Egypt</li> <li>▪ Chemicals, Textiles, Cement and Fertilizer Factories in 6<sup>th</sup> of October and 10<sup>th</sup> of Ramadan industrial zones, Egypt.</li> </ul>	Introduced lectures in Chemical and Environmental Engineering/Waste management/ Environmental audits and Environmental Inspection

**List of Established Credit Hours Courses**

Sr.	Course name	Academic Years	C H	University/Institute
<b>Undergraduate</b>				
1.	<b>Environment, Health and Safety, PHEN 504</b>	2024-Present	4	German International University, Pharmaceutical Engineering Department
2.	<b>Reactor design and chemical reaction, PHEN 406</b>	2025-Present	4	
3.	<b>Socio Environmental Impact Assessment</b>	2016-2017	3	Zewail City for Science and Technology, Faculty of Engineering.
4.	<b>Environmental law , policy and economics</b>	2014-2017	3	
5.	<b>Environmental Impact Assessment</b>	2018-2020	2	Faculty of Earth Science/BSU
<b>Postgraduate</b>				
6.	<b>Environmental Sustainability</b>	2025-Present	3	German International University, Pharmaceutical Engineering Department
7.	<b>Industrial wastewater technology(EN516)</b>	2013-Present	1	Faculty of the Postgraduate Studies For Advanced Sciences (PSAS) Environmental Science and Industrial Development Department (ESID)/ Beni-Suef University
8.	<b>Monitoring and operation of wastewater treatment</b>	2019-Present	1	
9.	<b>Principles of Environmental Risk Management(EN601)</b>	2013-Present	2	
10.	<b>Health, Safety and Environmental Management</b>	2018-Present	1	
11.	<b>Environmental Management System</b>	2014-2016.	2	
12.	<b>Solid and Hazardous Waste Management (EN 617)</b>	2014-Present	2	
13.	<b>Environmental Engineering</b>	2017-2018	2	National Institute of Elderly Sciences/ BSU
14.	<b>Bioenergy Technology(MRE 606)</b>	2016-Present	2	PSAS/ Chemistry and Engineering of Renewable Energy department/BSU
15.	<b>Biogas Technology (DRE 610)</b>	2016-Present	2	
16.	<b>Heat Transport Technology Thermodynamic Cycles (RE610)</b>	2016-2017.	2	PSAS/ ESID / Chemistry and Technology of Cement Industry (CTCI) /BSU
17.	<b>Cement and Environmental Effect</b>	2014-2016.	2	
18.	<b>Cement fuel and oil usage</b>	2015-Present	2	
19.	<b>Environmental Impact Assessment of Cement Industries</b>	2015-Present	2	PSAS/Nano Technology Department /BSU
20.	<b>Environmental applications of Nano-Science</b>	2014-2015.	2	
21.	<b>Laboratory Management and Quality Assurance</b>	2015-Present	2	PSAS/ Biotechnology department/BSU
22.	<b>Engineering Projects Management</b>	2022-2023	2	Faculty of Environmental Studies/Ain Shams University

**List of Established/Modified Programs in Beni-Suef University (2020-present)**

Sr.	Program name	Stage	Language of Program	University
1	<b>Environmental Sciences and Industrial Development Academic Program</b>	Postgraduate/ Faculty of the Postgraduate Studies For Advanced Sciences (PSAS) / <b>Academic Diploma, Premaster, Ph.D.</b>	English	Beni-Suef University, BSU.
2	<b>Integrated Water and Environmental Management</b>	Postgraduate/PSAS/ <b>Professional Master</b>	English	Beni-Suef University
3	<b>Building Materials</b>	Postgraduate/PSAS/ <b>Professional Master</b>	English	Beni-Suef University
4	<b>Occupational Health and Safety</b>	Postgraduate/PSAS/ <b>Professional Master</b>	English	Beni-Suef University
5	<b>Chemistry and Technology of Cement Industry (CTCI)- Academic Program</b>	Postgraduate/ Faculty of the Postgraduate Studies For Advanced Sciences (PSAS) / <b>Academic Diploma, Premaster, Ph.D.</b>	English	Beni-Suef University
6	<b>Quality Control</b>	Postgraduate/ Faculty of the Postgraduate Studies For Advanced Sciences (PSAS) / <b>Academic Diploma</b>	English	Beni-Suef University

### **4-2 Research Interest**

<b>Supervised Thesis</b>	<b>31</b>
<b>Awarded Thesis</b>	<b>18</b>
Master	<b>14</b>
PhD	<b>4</b>
<b><i>h</i>-index (Research gate)</b>	<b>11</b>
<b>Citations</b>	<b>370</b>
<b>Total Publication 1998-July 2024</b>	<b>46</b>
<b>Number of publications published during the last 5 years(2019-2024)</b>	<b>32</b>
in Q1 journals	<b>9</b>
in Q2 journals	<b>3</b>
in Q3 journals	<b>10</b>
in Q4 journals	<b>2</b>
Indexed/Non impacted Journals	<b>4</b>
Local Journals	<b>4</b>

### **4-3 Consultant Accreditation/Certificates**

Authority [ Date from - Date to ]	Certificate(s) obtained:
<b>The Society of Engineering in Egypt, 2012-Present</b>	Certified Consultant in the field of Chemical & Environmental Engineering
<b>Egyptian Environmental Affairs Agency, EEAA. 2015-Present</b>	Certified Consultant in the field of preparation of Environmental Assessment Studies and official reviewed.
<b>Egyptian Environmental Affairs Agency, EEAA. 2022-Present</b>	Certified Consultant in the field of preparation of Environmental Prevention studies.
<b>Egyptian Environmental Affairs Agency, EEAA. 2022-Present</b>	Certified Consultant in the field of Integrated Management of Hazardous waste and Materials.
<b>OSHA (Occupational Safety and Health Administration) 2011</b>	OSHA Auditor Occupational Safety and Health Standers for General Industry
<b>OSHA (Occupational Safety and Health Administration) 2011</b>	Certified OSHA Auditor Occupational Safety and Health Standers for Construction Industry

### **4-4 Non Academic Positions/Consultation Activities**

Years	Position	Institution/Entity	Brief responsibilities
<b>2023-Present</b>	Board Member at JICA Alumina Council.	JICA, Egypt	Preparing workshops, Projects and organized Conference related to JICA activities in Egypt. Instructor of Technical and Environmental Topics. Deputy of Technical/Project Committee.
<b>2010-Present</b>	Environmental Consultant	Gardenia for Environmental and Engineering consultation	Preparing Environmental social impact assessment studies for establishments, compliance studies and waste management studies.
<b>2023-2024</b>	Environmental Consultant	Mackeen for Projects Management and Engineering Consulting Services, Saudi Arabia.	Preparing Environmental /Social impact studies for company Projects in KSA.

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<b>Years</b>	<b>Position</b>	<b>Institution/Entity</b>	<b>Brief responsibilities</b>
<b>2017-2020</b>	Environmental Consultant	Sustainable Persistent Organic Pollutants (POPS) Management Project (SPMP), GEF grant.	Preparing Environmental social impact assessment studies for obsolete pesticides and POPs in Giza and Assuite governorate, Egypt
<b>2017-2019</b>	Technical and Environmental Expert	EcoConServe Company. the project of stock exchange for Industrial waste in Egypt (6 <sup>th</sup> of October industrial city)/African Development Bank and the Deauville Partnership Fund.	Inventory, monitoring and environmental auditing for selected 812 factories.
<b>2012-2013</b>	Minster Advisor	Ministry of Environment, Egypt	<ul style="list-style-type: none"> <li>• Environmental Management Consultations</li> <li>• Alternatives Fuel in Cement Industries in Egypt Technical and Environmental Studies and Consultations</li> </ul>
<b>2008-2013</b>	Director of Environmental Impact Assessment "EIA" Department	Egyptian Environmental Affairs Agency, EIA Central Department	<ul style="list-style-type: none"> <li>• Issued Environmental licenses</li> <li>• Review of Environmental Impact Assessment "EIA" studies of industrial establishments, CDM projects</li> </ul>
<b>2006-2008</b>	Deputy Manager	Egyptian Environmental Affairs Agency, Solid and Hazards Central Department/JICA projects.	<ul style="list-style-type: none"> <li>•Hazardous Waste Management.</li> <li>•Issued licenses and Management of Hazardous substances and toxic chemicals.</li> <li>• Soil Remediation Technologies</li> <li>•Environmental Monitoring</li> <li>•Risk Assessment.</li> <li>•Environmental Management Systems. Solid waste Management.</li> </ul>
<b>2000-2006</b>	Environmental Planner and Coordinator	Egyptian Environmental Affairs Agency, Environmental Inspection Central Department	<p>Planning, Management, Research and Development (R&amp;D) in different Environmental Aspects</p> <p>Environmental Auditing and Inspection</p> <p>Industrial Wastewater Management</p>
<b>1999-2000</b>	Environmental specialist	Environecs consulting company for environmental engineering consultations	<ul style="list-style-type: none"> <li>•Participating in the preparing of compliance action plans (CAP), pollution abatement plan (PAP) of Fertilizer and chemical Industries)</li> <li>•Participating in preparing Energy and water management studies.</li> <li>•Participating in Preparing the Environmental impact assessment studies for different environmental sectors</li> </ul>

<b>Years</b>	<b>Position</b>	<b>Institution/Entity</b>	<b>Brief responsibilities</b>
<b>1997-1999</b>	Chemical Engineer and Environmental Specialist	Chemonics Egypt Consultants	<ul style="list-style-type: none"> <li>•Participated in the project “ Facility for Financing Environmental Protection in the Public Sector Industry”</li> <li>•Holding Companies for Food, Chemical, Engineering and Pharmaceutical Industries / KfW</li> <li>•Participating in the preparing of compliance action plans (CAP), pollution abatement plan (PAP) of more than 40 Strategic Companies in Egypt with KfW project.</li> <li>•Participating in the preparing of Environmental Inspection Manuals EIA studies</li> <li>•waste management projects</li> <li>•water and energy conservation projects</li> </ul>

### **5- Membership in Professional Associations:**

- Applied Research and Sustainability committee, Center of Excellence of Agricultural and water in Egypt COE, US-Aid funded Project, 2019- Present.
- Egyptian Syndicate of Engineers in Egypt, 1998-Present
- JICA ALUMNI Association, since 2007-Present
- Climate Change committee for COP 27, Beni-Suef University “BSU”, 2022.
- Society of Chemical Engineering in Cairo, since 1999.
- The Arab Union of Specialized Women, 2016-2017.
- Higher Education Reform Experts committee (HEREs) funded from EU, Deputy Chairman, 2015-2016.
- Ministerial committee for the Using alternative fuels/Coal as a new primary fuel in the cement factories 2012-2013
- Environmental Committee in the Egyptian Syndicate of Engineers in Egypt, 2013-2014.
- The Egyptian General Organization for Standardization and Quality “EOS”, Roads and Bridges Committee, Specification for the use of aggregates in road paving works, 2012-2013
- Federation of Arab Engineers, 2012-2013
- Society of Clean Energy in Cairo, 2007-2008.

## 6-Key Qualifications/Achievements

### **More than 28 years' experience in the Chemical Engineering, Environmental Engineering and Environmental Management.**

- i. More than 12 years experience in academic education and resercing activities in Beni-Suef University , Zewail city of science and technology and German International University in Cairo. From 2013-Present
- ii. More than 10 years experience as a Director of strategic plan study for the faculty of postgraduate studies (PSAS) from 2014-Present
- iii. Two years' experience as Environmental Advisor of the former Minister of the Ministry of Environment.
- iv. More than 20 years' experience as a chemical and environmental consultant.
- v. More than 7 years' Experience in the preparing and reviewing the Environmental Impact Assessment studies as a manager of the Environmental Impact Assessment of Industrial Projects Department in The Ministry of Environment (MoE) and Egyptian Environmental Affairs Agency (EEAA). Reviewed and issued the Environmental licences for more than 900 different Industries.
- vi. More than 6 years' experience in the Environmental Inspection and Enforcement of Environmental laws for more than 500 mega projects such as : (Middle East Oil Refinery (MIDOR) and Petrochemical industries in Alexandria, Qarown Petroleum Company in Fayoum, Fertilizer and Pesticides Industries in Qualubia, Monsora , Kima Aswan , Textile industries in Behira and Delta regions...etc)
- vii. Three years' experience as a waste management consultant for GEF funded projects in Environmental Auditing and waste exchange in sixth of October and tenth of Ramadan industrial cities.
- viii. Seven years' experience as an expert in the fields of Environmental Management and Building capacities of the environmental supervisors in different Industrial Sectors.
- ix. Two years' experience as an Environmental Expert of the one of the UN projects for Building Capacity of Palestine's Authority of Environment in the Environmental auditing and inspections.
- x. More than 3 years' experience as Environmental Specialist in the KfW/EPAP environmental compliance fund project with EEAA in Egypt.
- xi. Two years' experience as Environmental Specialist in the ENTEC project of water and Energy management in food industry in Kaha and Edfina factories in Alexandria and Quliobia governorates.
- xii. Three years' experience as deputy manager in the Sound Management of Hazardous Chemical Substances Component and POPs in ( JICA funded project of monitoring and inventory of PCBs in Greater Cairo and Alexandria regions).
- xiii. Three years as Environmental consultant of the Sustainable Persistent Organic Pollutants (POPS) Management Project (SPMP), GEF grant for disposal of obsolete pesticides and POPs compounds from Giza and Assuite governorates.
- xiv. EEAA/MoE Representative worldwide in different workshops and conferences in Canada, Japan, Thailand, India, and USA.

## 7- Skills/Training/Other Certificates

### **7.1- Management skills**

A good background about managerial concepts such as (planning , organizing process , monitoring an evaluation , Project management , Strategic planning , System analysis, Coordination, Conflict Resolution ,Logical Frame work Analysis)

### **7.2- Performance**

Work in team, Energetic, Creative, Self-motivated, and work under pressure.

### **7.3- Computer skills**

(International Computer Driving license (ICDL))

### **7.4- Quality/Management Certificates**

Sr.	Year	Institution/Authority	Certificate(s) obtained:
<b>1</b>	2024	Egyptian Organization for Standards & Quality	Carbon Border Adjustment Mechanism (CBAM)
<b>2</b>	2024	Egyptian Organization for Standards & Quality	Carbon footprint calculations for establishment
<b>3</b>	2022	National quality Institute "NQP"2022	ISO 9001-2015
<b>4</b>	2022	National quality Institute "NQP"2022	ISO 56002-2019 Innovation Management System
<b>5</b>	2022	National quality Institute "NQP"2022	ISO-37000-2021
<b>6</b>	2022	The National Authority for Quality Assurance and Accreditation of Education "NAQAAE" /2022	Strategic Planning
<b>7</b>	2022	NAQAAE /2022	External review course for higher education institutions
<b>8</b>	2022	NAQAAE /2022	Exam Systems and Evaluation
<b>9</b>	2021	NAQAAE /2021	Effective Teaching and Learning Strategies
<b>10</b>	2021	NAQAAE /2021	Self-evaluation
<b>11</b>	2017	NAQAAE /2017	Courses/ Programs descriptions
<b>12</b>	2012	Leadership Development Center for the Government Sector, 2012	Total Quality Management
<b>13</b>	2006	Information Technology Institute,2006	Decision Support System, DSS
<b>14</b>	2003	Egyptian Environmental	Analytical Report writing

Sr.	Year	Institution/Authority	Certificate(s) obtained:
		Policy Program, PMU,2003	
15	2003	Egyptian Environmental Policy Program, PMU,2003	Conflict resolution
16	2001	British Council, 2001	Time Management
17	2001	British Council, 2001	Professional Note Taking

## 8- Countries of Work Experience

Country	Date from (month/year) to (month/year)
Egypt	Mid 1997 up to date
USA	January 2024-May 2024 (Faculty Abroad)

## 9- Languages

Language	Reading	Speaking	Writing
Arabic Native language	Native	Native	Native
English	Proficient	Proficient	Proficient

## 10- Detailed of some assigned Tasks

**Work Undertaken that best illustrates capability to handle the assigned tasks:**

<b>Name of Assignment/Project</b>	Center of Excellence for water, USAID funded Project /AUC
<b>Date</b>	2019-Present
<b>Location</b>	Egypt - Beni-Suef University/AUC
<b>Implementing Entity</b>	Beni-Suef University/Alexandria University
<b>Main Project Features</b>	The Center of Excellence for Water is one of three centers funded by the United States Agency for International Development (USAID) in 2019, addressing three tightly linked challenges for Egypt: Water, Energy and Agriculture, consistent with Egypt's Vision 2030 document. The duration of the project is 7 years, beginning February 20th, 2019, and the total allocated budget is \$30 Million USD. The COE-Water is composed of five components: Governance, Curriculum, Research, Exchange and Sustainability. The Research and Policy Committee RPC, acts as an executive committee, which both manages and implements the goals of the research component of the project.
<b>Position Held</b>	Representative Expert of BSU in the Applied Research and Sustainability committee, Center of Excellence of water in Egypt COE, US-Aid funded Project

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	with \$30 M
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• Participation in the preparation of water road maps in Egypt.</li> <li>• Participation in the research projects</li> <li>• Graduated from water energy food nexus winter school 2022.</li> <li>• Attended workshops and webinar inside Egypt and outside in US.</li> </ul>

<b>Name of Assignment/Project</b>	SUSTAINABLE PERSISTENT ORGANIC POLLUTANTS (POPS) MANAGEMENT PROJECT (SPMP)/GEF and World Bank Funded Project
<b>Date</b>	2017-2019
<b>Location</b>	Egypt (Assuite/Giza governorates)
<b>Implementing Entity</b>	Ministry of Environment , Egypt
<b>Main Project Features</b>	The Egyptian Government obtained a grant from the Global Environment Facility "GEF" managed by the World Bank to finance the implementation of Sustainable Persistent Organic Pollutants (POPs) Management Project (SPMP). One of the SPMP basic activities is the identification, classification prioritization and repackaging, as well as removal, export and disposal of the obsolete pesticides (OPs) at El Saff storage at Giza Governorate and Assuite Governorate. The project provides funding for the repacking and disposal by incineration abroad or in Egypt for about 400 tons of these obsolete pesticides stored in El Saff/Assuite – those posing the highest risks
<b>Position Held</b>	Project Consultant
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• Arabic/English version of ESIA, prepared as per the guidelines of EEAA and WB standards.</li> <li>• Full site characterization measurements study to be used in preparing a remediation plan</li> </ul>

<b>Name of Assignment/Project</b>	Stock exchange for industrial waste in Egypt (6 <sup>th</sup> of October industrial city)/ African Development Bank and the Deauville Partnership Fund.
<b>Date</b>	2017-2019
<b>Location</b>	Egypt
<b>Implementing Entity</b>	EcoConServ Company
<b>Main Project Features</b>	Inventory, monitoring and environmental auditing for selected 812 factories. For waste exchange and Management
<b>Position Held</b>	Project Consultant
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• Capacity building in the waste management for 6<sup>th</sup> of October factories</li> <li>• Database for waste in the industrial zone</li> <li>• Guidelines for industrial waste types , categorization and specification</li> </ul>

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<b>Name of Assignment/Project</b>	Waste to resources research project funded between India and Egypt , TERI institute for renewable Energy in India
<b>Date</b>	2016- 2018
<b>Location</b>	Egypt/Delhi- India
<b>Implementing Entity</b>	Academy of science and research , Egypt and India cooperative project
<b>Main Project Features</b>	Waste to Energy Project in the plastic destruction.
<b>Position Held</b>	Principle Investigator of the project
<b>Activities Performed</b>	Research Project to destroyed plastic waste to Pyrogas as renewable energy source

<b>Name of Assignment/Project</b>	UNDP funded project to promote sustainable environmental of The Environment Quality Authority (EQA) of the Palestinian society
<b>Date</b>	2011- 2012
<b>Location</b>	Egypt/ Palestinian
<b>Implementing Entity</b>	EcoConserv Environmental Consultants
<b>Main Project Features</b>	Capacity building project to promote sustainable environmental management of The Environment Quality Authority (EQA) of the Palestinian society
<b>Position Held</b>	Environmental Expert - Environmental Inspection Training and Capacity Building Expert for UNDP
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• Prepare materials and agenda for training and capacity building activities, and provide expert guidance in close coordination with team members for activities relevant to monitoring, inspection and enforcement</li> <li>• Participate in inventory of facilities and sources of pollution, with emphasis on air and industrial pollution,</li> <li>• Provide guidance in determining list the needed inspection tools and equipment, complete with quantities, costs, specifications, suppliers, etc., and assist Client with procurement</li> <li>• Assist the team leader in conducting the study tour in Egypt or other Arab neighboring country</li> </ul>

## 11- Detailed of some Conferences/Workshops

### 11-1 – Academic Conferences

- (2024) Organizing and attending the 3<sup>rd</sup> symposium of Center of Excellence of Agricultural and water, Cairo, Egypt.
- (2023) attending the workshop of finalizing the second roadmap of water in Egypt, Santa Cruz University, California, US.
- (2023) Organizing and attending the 3<sup>rd</sup> symposium of Center of Excellence for water, Alexandria, Egypt.
- (2019) attending and organizing Fifth International Conference on Advanced Sciences (ICAS5) organized by Faculty of Postgraduate Studies for Advanced Sciences ( PSAS) , Beni-Suef University (BSU), Hurghada, Egypt.
- (2017) organizing Environmental Science department workshop "Waste to Energy" Faculty of post graduate for advanced Sciences, Beni-Suef University.
- (2016) organizing and lecturer hands on workshop on Environmental Impact Assessment, Faculty of post graduate for advanced Sciences, Beni-Suef University.
- ( 2016) attending Environmental Security and Global Climate Change Conference
- (2015) attending and organizing in The 3<sup>rd</sup> International conference of Advanced Applied Sciences (ICAAS-III) Hurghada, Egypt.
- (2014) attending and organizing in The 2nd International conference of Advanced Applied Science, Sokhna, **Egypt**.

### 11-2 – Other Conferences

<b>Name of Assignment/Project</b>	The second Regional workshop in the solid waste management (Iraq, Lebanon, Syria, Egypt, Jordan)
<b>Date</b>	2018
<b>Location</b>	Beirut, Lebanon
<b>Implementing Entity</b>	JICA Lebanon/JICA Egypt
<b>Main Project Features</b>	Participating in the Regional workshop in the solid waste management (Iraq, Lebanon, Syria, Egypt, Jordan). I representative JICA Egypt as an expert in this field
<b>Position Held</b>	Expert in Solid waste Management
<b>Activities Performed</b>	Presentation represented the situation of solid waste in Egypt as a case study

<b>Name of Assignment/Project</b>	Internationalization in Higher Education and mobility workshop
<b>Date</b>	2015
<b>Location</b>	Technical University of Berlin TUB, Berlin, Germany.
<b>Implementing Entity</b>	EU Erasmus Plus Project.
<b>Main Project Features</b>	Improving the Higher Education and Mobility
<b>Position Held</b>	Hear Education Reform Expert (HERE ) vice Chairman
<b>Activities Performed</b>	Participating in the workshop for the Internationalization in Higher Education and Mobility

<b>Name of Assignment/Project</b>	Supply of scientific laboratory in faculty of postgraduate studies for advanced sciences.
<b>Date</b>	2014
<b>Location</b>	Gulf Scientific Company, Dubai- Emirates /Bani-Suef University
<b>Implementing Entity</b>	Gulf Scientific company
<b>Main Project Features</b>	Training Program in Atomic Absorption (Flam and Graphite)
<b>Position Held</b>	Academic Staff trainee
<b>Activities Performed</b>	Training Program in Atomic Absorption (Flam and Graphite)

<b>Name of Assignment/Project</b>	Chemical Security Engagement Program (CSP)/ U.S. Department of State
<b>Date</b>	July 2013
<b>Location</b>	Baltimore , Maryland , USA
<b>Implementing Entity</b>	Chemical Security Engagement Program
<b>Main Project Features</b>	U.S. Department of State, Chemical Security Engagement Program (CSP), Chemical Sector Security Summit and CSP side events in Baltimore, Maryland. For Hazardous waste management and CWC.
<b>Position Held</b>	Representative of Egypt from Ministry of Environment
<b>Activities Performed</b>	Attending the workshop and chemical security summit and represent the situation in Egypt for chemicals management.

<b>Name of Assignment/Project</b>	ITEC India Project
<b>Date</b>	March 2013
<b>Location</b>	India, Delhi
<b>Implementing Entity</b>	Energy Efficiency and Renewable Energy Institute, India
<b>Main Project Features</b>	The project is In the field of Management of RE and EE and Field visits of Biogas, Bio Fuels, Wind Energy, and Solar Energy Stations. Studying the Green Building codes.
<b>Position Held</b>	Energy and Environmental Expert
<b>Activities Performed</b>	Training study visit for renewable energy

<b>Name of Assignment/Project</b>	Waste Management study visit and workshop
<b>Date</b>	August – Sept. 2012
<b>Location</b>	Mahidol University, Bangkok, Thailand
<b>Implementing Entity</b>	Mahidol University
<b>Main Project Features</b>	In the Field of waste management and produce energy from wastes, Hazardous waste management Composting and Biogas produced from wastes.
<b>Position Held</b>	Solid waste Management Expert, EEAA representative
<b>Activities Performed</b>	Site visits and applied training for solid waste management

## 12- Detailed of Previous Positions

<b>Name of Assignment/Project</b>	Egyptian Environmental Affairs Agency EEAA , General Department of EIA(Environmental Impact Assessment)
<b>Date</b>	2007 - 2013
<b>Location</b>	Egypt
<b>Implementing Entity</b>	EEAA, General Department of EIA(Environmental Impact Assessment)
<b>Main Project Features</b>	Reviewing and issued the Environmental Licensing of the projects
<b>Position Held</b>	Supervisor of the Industrial Projects Department
<b>Activities Performed</b>	Issued Environmental social licensing of industrial projects in Egypt

<b>Name of Assignment/Project</b>	EEAA (Egyptian Environmental Affairs Agency) , General Department of Hazardous Substances and Wastes
<b>Date</b>	2005 - 2007
<b>Location</b>	Egypt
<b>Implementing Entity</b>	EEAA (Egyptian Environmental Affairs Agency) , General Department of Hazardous Substances and Wastes
<b>Main Project Features</b>	Managing solid and hazardous materials and waste in Egypt and issuing the licenses of integrated management of them
<b>Position Held</b>	Coordinator and Planner
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• Preparing an Hazardous Substances Department Plans ( strategic, annually, monthly)</li> <li>• Participating in The Building Capacity of the Hazardous Substances Department</li> <li>• Task Force member of JICA Project</li> <li>• Coordination activities inside EEAA with the different sectors and departments and outside EEAA with the different donors for Improvement the Departments Activities</li> <li>• Preparing the TOR of the proposed project (Salvador, Yemen, Syria...)</li> <li>• Participating in the workshops and conferences related to the Hazardous Substances Department and the JICA Project</li> </ul>

<b>Name of Assignment/Project</b>	EEAA ( Egyptian Environmental Affairs Agency) , General Department of Environmental Inspection
<b>Date</b>	2000 - 2005
<b>Location</b>	Egypt
<b>Implementing Entity</b>	EEAA ( Egyptian Environmental Affairs Agency)
<b>Main Project Features</b>	Enforcement the Environmental law 4/94 and 9/2009 via Environmental Inspection and auditing
<b>Position Held</b>	Environmental Inspector, Planner and Coordinator
<b>Activities Performed</b>	<p>Preparing an Environmental Inspection Plans (strategic, annually, monthly planning) the inspection plan is developed geographically according to the measured indicators to act accordingly on the industrial facilities in the region.</p> <ul style="list-style-type: none"> <li>• Environmental Inspection on more than 100 establishments in different sectors (Industry, healthcare , tourist plants ) such as: <ul style="list-style-type: none"> <li>○ Petrochemicals: Gasco for gases and Sidi Kreer for petrochemicals.</li> <li>○ Food industries: Kaha food co. and Covertina candies.</li> <li>○ Textile and dyeing: Mahala el-Kobra and Kalubyia region</li> <li>○ Tanning: Misr el-Kadima tanning facilities and Bile color co., Menofyia governorate</li> <li>○ Engineering industries: household appliances</li> <li>○ Metal extraction industry</li> </ul> </li> </ul>

	<ul style="list-style-type: none"> <li>• Participating in the preparing an analytical report and achievements about activities of the department</li> <li>• Participated in the establish a Guideline for Applying the Environmental Impact Assessment of Arabian Countries for Textile Industries – Case study of Sabagy El Bida in Behera Governorate in Egypt Funded by Arab League and I was responsible for contracting with Arab League and Environmental Auditing in Al -Behera and establish the final version of this Official Guideline.</li> <li>• Participating in the preparing suggestions for the organizational structure for both department and (The Environmental Management Sector ) within the structure of EEAA</li> <li>• Revisions of some manuals of environmental inspection on different sectors</li> <li>• Participating in the EEAA committee for Upgrading the Executive Regulation of Egyptian Law of Environment 4/1994, Egypt 2001</li> <li>• Participating in the Building capacity of the Environmental Inspection Departments in EEAA and its Branches around 27 governorates of Egypt including stuff Training and coordination with all funded projects( EPAP,EEIS,EEPP,OSP, JICA)</li> <li>• Coordination activities inside EEAA with the different sectors and departments and outside EEAA with the different Previous donors for building capacity of the Inspection department in EEAA and its Regional Branches(2000-2005)</li> <li>• I participated in the work done with the Armed Forces (Authority for Environmental Monitoring and Quality Assurance) to study the pollution problems resulting from industrial waste discharges. The inspection included 7 facilities discharging their wastes directly into Abu Keer gulf and Defsho drain, which in turn discharge it into Abu Queer gulf.</li> <li>• Coordination activities with the different donor agencies to identify the institutional support and training needs assessment and the required inspection tools to support the capabilities of the inspectors to enforce the environmental law 4, 1994.</li> </ul>
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<b>Name of Assignment/Project</b>	Environmental Abatement Projects funded by KfW
<b>Date</b>	1997 - 2000
<b>Location</b>	Egypt
<b>Implementing Entity</b>	Chemonics Egypt , Environics and EESS (Environmental Consultants Group)
<b>Main Project Features</b>	Preparing an Environmental studies and wastewater treatment studies
<b>Position Held</b>	Chemical Engineer and Environmental Specialist
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• Participating in the preparing of compliance action plans (CAP),</li> <li>• Prepared pollution abatement plan (PAP) of more than 40 Strategic Companies in Egypt with KfW funded project.</li> </ul>

### 13- Geographical Experience: Participation with Donors/Projects

<b>Name of Assignment/Project</b>	The Egyptian Environmental Information System (EEIS) Project
<b>Date</b>	1999-2004
<b>Location</b>	Egypt/Calgary in Canada
<b>Implementing Entity</b>	CIDA funded Project
<b>Main Project Features</b>	The Egyptian Environmental Information System (EEIS) Project, currently underway in the Egyptian Environmental Affairs Agency (EEAA), is being funded by Canada's International Development Agency (CIDA). The strategic objective of the project is to enhance EEAA's capacity to use environmental information for decision-making through the development and implementation of an Environmental Information System (EIS).
<b>Position Held</b>	Environmental Specialist
<b>Activities Performed</b>	<p>I contributed with the project to design, operate and run of one of the major EEIS project called Industrial Pollution Information System (IPIS) as the one of the important Databases of Industrial project in EEAA.</p> <ul style="list-style-type: none"> <li>▪ IPIS is a data base contains all data gathered from Environmental Inspections visits to different facilities (inputs, industrial processes, outputs, wastes, lab. Measurements and legal actions taken against violated facilities).</li> <li>▪ The IPIS system has the capability to produce about 48 different types of reports supports decision maker regarding environmental policy reforms and management to different management levels</li> </ul> <p>Training on principles of GIS (Geographic information systems), Introduction to Arc GIS 1&amp;2 –Global Positioning System (GPS) tool, Map Source and Arc view software applications-, Arc View Spatial Analyst conducted by EEIS/ Quality standards Co. ESRI certified distributors.</p>

<b>Name of Assignment/Project</b>	Organization Support Program (OSP) in Egypt DANIDA funded/Denmark
<b>Date</b>	2000-2002
<b>Location</b>	Egypt
<b>Implementing Entity</b>	Organization Support Program (OSP) / Environmental inspection department in EEAA
<b>Main Project Features</b>	The project, funded by Denmark .The program offered the following support to EEAA: (Institutional Support, Hierarchy, Job Description, Roles & Responsibilities (internal & external), Scope of work, Training needs assessment and inspection tools assessment, Finance training programs)

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<b>Position Held</b>	Coordinator/ Environmental Specialist
<b>Activities Performed</b>	Capacity building of Environmental Inspectors

<b>Name of Assignment/Project</b>	Environmental Pollution Abatement Programs,EPAP1 EPAP 2 Twinning Program
<b>Date</b>	2000-2007
<b>Location</b>	Egypt
<b>Implementing Entity</b>	FINNAIDA/Finland/ Environmental inspection department in EEAA
<b>Main Project Features</b>	<p>The project, funded by FINNAIDA, has assigned five Egyptian experts and their counterparts from Finnish experts to develop inspection and industry self-monitoring guidelines on the following sectors:</p> <ul style="list-style-type: none"> <li>- Paper industry</li> <li>- Engineering industry</li> <li>- metallurgy (secondary steel production)</li> <li>- Food industry (dairy, grain mill, vegetables &amp; fruits, candies, soda beverages)</li> <li>- Textile Industry</li> <li>- Cement Industry</li> <li>- Oil and Soap Industry</li> <li>- Wastewater Treatment</li> <li>- Energy Generation Industry</li> </ul>

<b>Position Held</b>	Coordinator/ Environmental Specialist
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• I was assigned by EEAA as a member in the steering committee to review the guidelines and verify its compliance with the procedures of the environmental inspection guideline set by EEAA.</li> <li>• I participated also in reviewing the General inspection manual (GIM), which considered as the Inspection Protocol for EEAA</li> <li>• Coordination activities inside EEAA and outside with the FINNAIDA donors for Establishing a Twinning Program for Strategic Environmental Assessment and applying a case study for Alsokna Districts in Egypt</li> <li>• I participated also in reviewing the manual of EIA of Textile Industry Funded by the World Bank and the EPAP 2 Project and cooperated with EcoConserv which considered as the Textile EIA Protocol for EEAA</li> </ul>

<b>Name of Assignment/Project</b>	Egyptian Environmental Policy Program (EEPP)- USAID funded project with a \$60 million grant
<b>Date</b>	2000-2008
<b>Location</b>	Egypt
<b>Implementing Entity</b>	EEAA- Inspection department

<b>Main Project Features</b>	<p>USAID supports the Egyptian Environmental Policy Program (EEPP) which was created to tackle the severe problem of lead pollution in Shoubra El Kheima and ensure that the Contaminated closed sites and materials are used with maximum control to avoid spreading the toxic Materials in the neighboring areas. Guidelines are being developed with EEPP support for the clean-up or remediation of these sites. Using modern technology has enhanced Plant productivity and its capability to export. Most of the lead in Cairo’s air was coming from uncontrolled emissions of secondary lead smelters in the densely populated area of Shoubra El Kheima in the outskirts of Cairo.</p> <ul style="list-style-type: none"> <li>- Faced with this pressing problem, USAID and the Government of Egypt developed the Cairo Air Improvement Project (CAIP) with a \$60 million grant.</li> </ul>
<b>Position Held</b>	Coordinator/ Environmental Specialist
<b>Activities Performed</b>	<p>I participated in the following activities:</p> <ul style="list-style-type: none"> <li>- Identify the training needs assessment for the inspectors</li> <li>- Identify the inspection tools needed for field measurements</li> </ul> <p>These activities were carried out with an American advisor from EEPP.</p> <ul style="list-style-type: none"> <li>▪ I participated in designing the training courses (topics, contents) in cooperation with DT2/IIE (Institute of International Education).</li> <li>▪ I participated in developing the action plan for trench 2/EEPP, which lasted for 18 months to achieve objective 5.2 of EEAA (Increase compliance with law 4/94, EEAA institutionalize inspection oversight at the central level) as follow: <ul style="list-style-type: none"> <li>• Brainstorming the external consultants on issues of strategic importance.</li> <li>• Quality control of the deliverables of the experts.</li> <li>• Participating in the training session organized under the work plan.</li> </ul> </li> </ul>
<b>Name of Assignment/Project</b>	<p>Regional Environmental Management Implementation Project , REMIP/ (JICA) Japan International Cooperation Agency</p>
<b>Date</b>	<ul style="list-style-type: none"> <li>▪ Phase I- 2000-2005</li> <li>▪ Phase II-2006- 2008</li> </ul>
<b>Location</b>	Egypt
<b>Implementing Entity</b>	EEAA- Inspection department- Hazards Material and Waste management department
<b>Main Project Features</b>	<p>Egyptian Environmental Affairs Agency (EEAA), under the Ministry of State for Environmental Affairs of the Government of the Arab Republic of Egypt (GOE) has developed basic environmental monitoring capacity for air and water quality, through the technical cooperation by the Government of Japan (GOJ) and assistance from other donors.</p> <p>Since GOE requests GOJ further technical cooperation on 1) monitoring- data</p>

	<p>interpretation and countermeasures proposal capacity of EEAA, 2) hazardous substance management of EEAA, and 3) public awareness raising and training to external stakeholders of EEAA, due to their importance, GOJ has started a technical cooperation project, named “Regional Environmental Management Improvement Project (REMIP)” since November 2005.</p> <p>Under the REMIP, Hazardous Substance Management Department in EEAA is carrying out a</p> <p>Component, named “Sound Management of Hazardous Chemical Substances” with relevant stakeholders, such as Regional Branch Offices (RBOs), Environmental Management Units (EMUs), and Non-governmental Organizations (NGOs).</p> <p>In the first phase of the component, polychlorinated biphenyls (PCBs) were set as the target substances to be addressed, because GOE rectified the Stockholm Convention in May 2003, and requirement of Inventory survey was stated in the National Implementation Plan (NIP) reported in 2005</p>
<b>Position Held</b>	Coordinator/ Environmental Specialist
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>▪ Coordinator and trainers in phase I - participated with JICA in the Building capacity of EEAA lab. Staff and RBO's Staff by designed and introduced some Lectures in some Industries Background and Environmental Inspection from 2000-2005.</li> <li>• Deputy Manager and Hazardous Substance Management Department (HSMD) Expert of Technical Committee and Working Group of the, "Sound Management on Hazardous Chemical Substances Component" PCBs-Phase II of the project.</li> </ul>

<b>Name of Assignment/Project</b>	Toxic Chemical Control and Management
<b>Date</b>	<b>2006-2007</b>
<b>Location</b>	<b>Egypt/Japan</b>
<b>Implementing Entity</b>	<b>JICA Project</b>
<b>Main Project Features</b>	Toxic Chemical Control and Management, PCBs treatment, soil contamination with POPs, RIMP project.
<b>Position Held</b>	Task force Deputy of the Chemical Component of PCBs Inventory
<b>Activities Performed</b>	<ul style="list-style-type: none"> <li>• On job training in Japan about TCM.</li> <li>• Guidelines of PCBs inventory and control in Egypt</li> </ul>

## 14- References

Name	Position	Telephone	E-mail
Dr. Fatma AboShoke	Former Chief Executive Officer of Egyptian Environmental Affaires Agency.	+2-01222144830	
Prof. Nageeb Elsheik	Former Vice President of Beni-Suef University	+2-01001340013	elsheikh53@yahoo.com
Prof. Dr. Shakinaz Taha Elsheltawy	Professor of Chemical Engineering, Faculty of Engineering, Cairo University, Consultant of the Environmental research Center in Cairo University.	+ 2-01114040840	
Mr. Norihiko INOUE	Chief Advisor of REMIP in Egypt, Nippon Koei Co.,Ltd		a3786@n-koei.co.jp
Prof. Dr. Ahmed Hassen Gaber	Professor of Chemical Engineering ,Faculty of Engineering, Cairo University, and the head of CHEMONICS Egypt	+ 2-0122-2143337	agaber@chemonicsegypt.com
Dr. Khaled Fahmy	The former Minister of Environment and Professor in Egyptian Institute of National Planning	+ 2-0122-326204	kfahmyrs@yahoo.com
Prof. Dr. Nabil Abdel Monhim	Professor of Chemical Engineering Faculty of Engineering, Cairo University.	+2-010005050581	nabil_abdelmonem@yahoo.com

## 15- List of Supervision Thesis

Sr.	Title	Degree	Institute/University	Role in thesis
1	Adsorption of chromium(vi) from aqueous solution by glycine modified cross-linked chitosan resin	Ph.D.	Beni-Suef University	Participated in suggesting point, practical part in our lab, review papers and thesis.
2	Heavy metals monitoring in water, sediment, and fishes from the Nile river and their health risk assessment on humans at the east region of beni suef, Egypt	M.Sc.	Beni-Suef University	Participated in suggesting point, lab work and analysis, share in writing paper and thesis.
3	Recoveries of raw material in cement industry via reduction of CO <sub>2</sub> emissions using cement kiln dust	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
4	Sustainable management of	M.Sc.	Sadat	Share in writing paper and thesis.

<b>Sr.</b>	<b>Title</b>	<b>Degree</b>	<b>Institute/University</b>	<b>Role in thesis</b>
	polychlorinated biphenyles (pcbs)		University	
5	Study the influence of the environmental factors affected the growth of the microalgae in the wastewater oxidation pond on the production of biodiesel from it. Case study on waste water treatment station in Beni-Suef governorate	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
6	Preparation and evaluation nano-composite catalyst for degradation waste plastic to renewable fuel	Ph.D.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
7	Micro silica reinforced limestone cement: physical mechanical investigation	Ph.D.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
8	Study on the electrospinning of polyamide fibers and its performance in wastewater treatments	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
9	Reduction oh hexavalent chromium in cement industry	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
10	Carbon dioxide absorption by ammonium hydroxide solution and possible application in cement plants: an experimental study”	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
11	Computer based boilers efficiency improvement	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
12	Biosorption of hexavalent chromium by macro-alga sargassum dentifolium: full-factorial optimization, isotherm and kinetics	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
13	Nanotechnological approach for the implementation of fuel cell for renewable energy production by using plastic wastes	Ph.D.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
14	Study of comparison of use coal and natural gas as a fuel for cement plants and its impact on air emissions using aermod modeling	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.

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<b>Sr.</b>	<b>Title</b>	<b>Degree</b>	<b>Institute/University</b>	<b>Role in thesis</b>
15	Dyeing of fabricated nano textiles produced by electrospinning	Ph.D.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
16	Application of nanocatalysts in the thermal destruction of polyethylene terephthalate (pet) to produce fuel	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
17	Effect of waste embedded in concrete buildings as absorbed for irradiation	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper/publication and thesis.
18	Assessment of natural radioactivity and rare earth elements in the egyptian phosphate ore phosphate fertilizers and phosphogypsum	Ph. D	Beni-Suef University	Main supervisor, participating in suggesting point, share in writing paper and thesis.
19	Monitoring and treatment of organic wastes in el-wasta region in upper egypt	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
20	Investigation of high pressure water mist fire prevention system on coal storage	Ph.D	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
21	Investigation of the effect of solid wastes nanoparticles and endophytes on artemisinin production and gene expression in artemisia annua	M.Sc.	Beni-Suef University	Main supervisor, participating in suggesting point, lab work and analysis, share in writing paper/publication and thesis.
22	Properties of high strength concrete containing natural ashes as partial replacement of cement	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
23	Fabrication and applications of polymer nano-composites for industrial wastewater treatment"	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
24	Enhancing the environmental performance of building insulation via utilization of solid waste	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
25	Using nanocatalysis for enhancing bioenergy production from black liquor	PhD	Beni-Suef University	Participation in suggesting point, share in writing paper and thesis
26	Hyperbranched polymeric membranes for industrial water purification	M.Sc.	Beni-Suef University	Share in writing paper and thesis.
27	Using modified agriculture waste biomass for remediation of water emerging contaminants :	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.

<b>Sr.</b>	<b>Title</b>	<b>Degree</b>	<b>Institute/University</b>	<b>Role in thesis</b>
	a green sustainable approach			
28	Catalytic pyrolysis of waste polyurethane to produce hydrogen	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, share in writing paper and thesis.
29	Assessment of pollution level from cement plant using breeze aermod dispersion modeling, case study applied on helwan industrial area mohamed sherif ,noha s. Donia and asmaa s. Hamouda3	M.Sc.	Ain- Shams University	Sharing in suggesting point, share in writing paper and thesis.
30	The occurrence of Per- and Polyfluoroalkyl Substances (PFAS) in Drinking Water and Their Risks in Asyut, Egypt	M.Sc.	Beni-Suef University	Main supervisor, suggesting point, lab work and analysis, share in writing paper and thesis.
31	Sustainable Management of Poly Chlorinated Biphenyles PCBs	M.Sc.	University of Sadat City	supervisor , Share in writing paper and thesis.

## 16- Detailed Credit Hours Courses

<b>Sr.</b>	<b>Course name</b>	<b>Stage/Academic Year</b>	<b>Langu age of Course</b>	<b>CH.</b>	<b>Targeted University</b>
1	<b>Industrial wastewater technology(EN516)</b>	Postgraduate/ Diploma/2013-Present.	English	1	Faculty of the Postgraduate Studies For Advanced Sciences (PSAS) /Environmental Science and Industrial Development Department (ESID)/ Beni-Suef University
2	<b>Monitoring and operation of wastewater treatment</b>	Postgraduate/Premaster/2019-Present.	English	1	PSAS/ESID/ Beni-Suef University
3	<b>Principles of Environmental Risk Management(EN601)</b>	Postgraduate/2013-Present/Premaster	English	2	PSAS/ESID/ Beni-Suef University
4	<b>Health, Safety and Environmental Management</b>	Postgraduate/2018-Present/Diploma	English	1	PSAS/ESID/Beni-Suef University
5	<b>Environmental Impact Assessment</b>	Graduate/ 2018-2020	English	2	Faculty of Earth Science/Beni-Suef University
6	<b>Socio Environmental Impact Assessment</b>	Graduate/Faculty of Engineering/2016-2017	English	3	Zewail City for science and Technology

<b>Sr.</b>	<b>Course name</b>	<b>Stage/Academic Year</b>	<b>Langu age of Course</b>	<b>CH.</b>	<b>Targeted University</b>
7	<b>Environmental law , policy and economics</b>	Graduate/Faculty of Engineering2014-2017	English	3	Zewail City for science and Technology
8	<b>Environmental Engineering</b>	Postgraduate/ Diploma/2017-2018	English	2	National Institute of Elderly Sciences/ Beni-Suef University
9	<b>Bioenergy Technology(MRE 606)</b>	Postgraduate/Premaster/2016-Present.	English	2	PSAS/ Chemistry and Engineering of Renewable Energy department/Beni-Suef University
10	<b>Biogas Technology (DRE 610)</b>	Postgraduate/Diploma/2016-Present.	English	2	PSAS/ Chemistry and Engineering of Renewable Energy department/Beni-Suef University
11	<b>Cement and Environmental Effect</b>	Postgraduate/Premaster/2014-2016.	English	2	PSAS/ ESID / Chemistry and Technology of Cement Industry (CTCI) /Beni-Suef University
12	<b>Cement fuel and oil usage</b>	Postgraduate/Premaster/2015-Present.	English	2	PSAS/ Chemistry and Technology of Cement Industry (CTCI) /Beni-Suef University
13	<b>Environmental Impact Assessment of Cement Industries</b>	Postgraduate/Diploma/2015-Present.	English	2	PSAS/ Chemistry and Technology of Cement Industry (CTCI) /Beni-Suef University
14	<b>Environmental Management System</b>	Postgraduate/Diploma/2014-2016.	English	2	PSAS/ESID/Beni-Suef University
15	<b>Environmental applications of Nano-Science</b>	Postgraduate/Premaster/2014-2015.	English	2	PSAS/Nano Technology Department /Beni-Suef University
16	<b>Heat Transport Technology Thermodynamic Cycles (RE610)</b>	Postgraduate/Premaster/2016-2017.	English	2	PSAS/ Chemistry and Engineering of Renewable Energy department/Beni-Suef University
17	<b>Laboratory Management and Quality Assurance</b>	Postgraduate/Premaster/2015-Present.	English	2	PSAS/ Biotechnology department/Beni-Suef University
18	<b>Solid and Hazardous Waste Management (EN 617)</b>	Postgraduate/Premaster/2014-Present.	English	2	PSAS/ESID/Beni-Suef University
19	<b>Engineering Projects Management</b>	Postgraduate/Premaster/Ph.D./2022-2023.	English	2	Faculty of Environmental Studies/Ain Shams University
20	<b>Environment, Health and Safety, PHEN 504</b>	5 <sup>th</sup> Semester_ Year3	English	3	German International University, Pharmaceutical Engineering Department
21	<b>Reactor design and chemical reaction, PHEN 406</b>	4 <sup>th</sup> Semester_ Year2	English	4	German International University, Pharmaceutical Engineering Department
22	<b>Environmental Sustainability</b>	Postgraduate	English	3	German International University, Pharmaceutical Engineering Department

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