

Prof. Dr. Sayed Abdelkader Ahmed

Titles:

- Professor of Organic Chemistry, Department of Chemistry, Faculty of Science, Beni-Suef University
- Former president of Beni-Suef Technological University
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① Academic Degree Obtained

- Organic Chemistry and Natural Products Ph.D., 2002, Chemistry department, Cairo-University.
- Organic Chemistry M.S, 1997, Chemistry department, Cairo-University.
- General Chemistry B.S., 1992, Chemistry department, Cairo-University.



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② Scientific Advancement

2014- now	Professor of organic and natural products, Beni-Suef University, Faculty of science
2009-2014	Associated Professor of organic and natural products, Beni-Suef University, Faculty of science
2002-2009	Lecturer of organic chemistry, Cairo University
1997-2002	Associated Lecturer of organic chemistry, Cairo University

1993-1997 Teaching Assistant, Cairo University

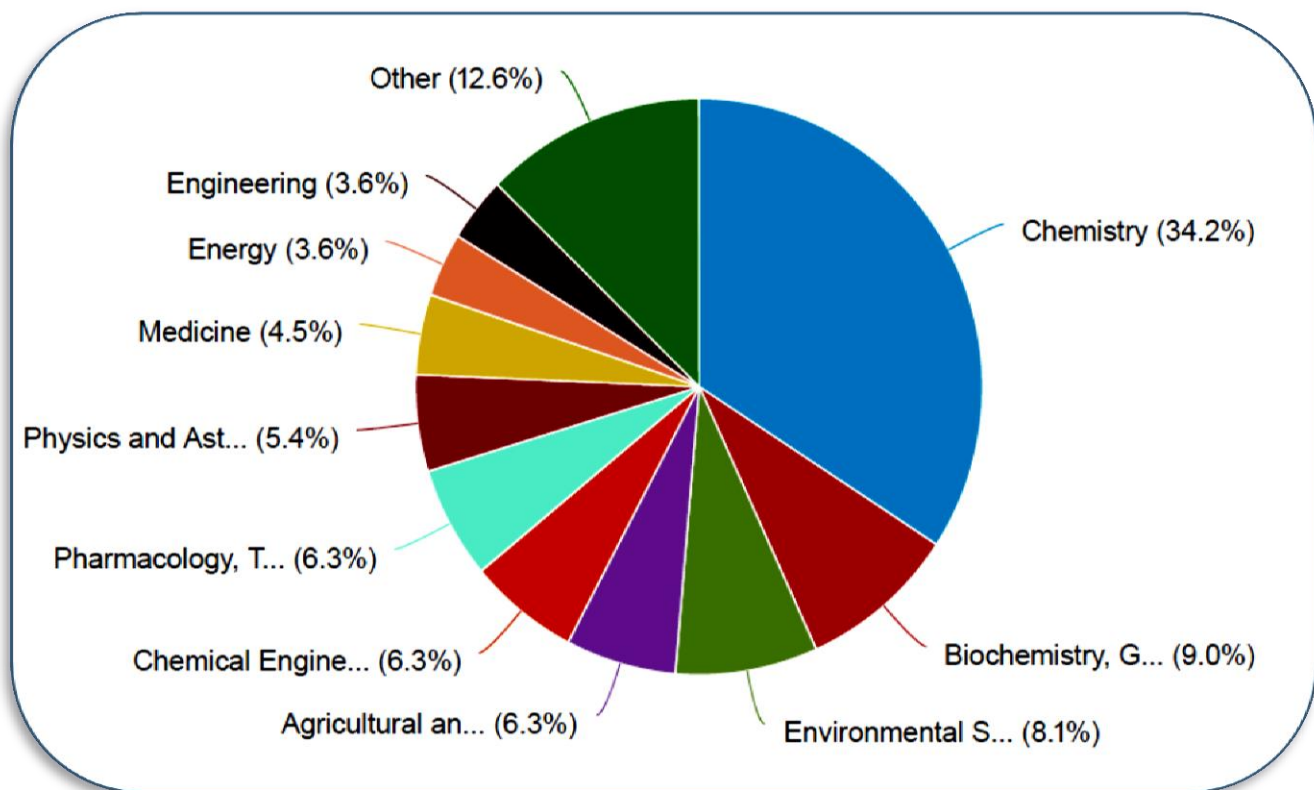
③ Administrative Positions

- 2019- 2021 Former President of Beni-Suef technological university
- 2018-2019 Act as Dean of Faculty of Earth Sciences, Beni-Suef University
- 2017-2018 Act as Dean of Faculty of Engineering, Beni-Suef University
- 2015-2018 Vice Dean of Faculty of Science for Education and Students Affairs, Beni-Suef University
- 2014-2015 Head of Chemistry Department, Faculty of Science, Beni-Suef university
- 2013-2015 Head of Department of Environmental Sciences and Industrial Development, Faculty of postgraduate studies for advanced science Beni-Suef university

④ General vision

Within the framework of Egypt's vision, 2030 emanating from the seventeen sustainable development goals decided by the United Nations, and based on the pivotal role of scientific research and the follow-up mechanisms such as universities and research centers, the National Strategy for Science, Technology and Innovation 2030 represents for me a basic and pivotal pillar and a basis for arranging my priorities to deal with National issues, especially concerning the production and localization of science and knowledge for university students and graduate students at the university. Therefore, some values are governing the management of my practical and administrative files at the university, as my vision is based on creating a flexible environment for colleagues and young researchers to give them the space required to perform their role in building their homeland by contributing to the creation of permanent learning generations capable of finding solutions to their innovation for the problems of their society and these solutions are issued to the Egyptian state within the framework University system that supports innovation. My Mission is based on supporting the national economy and preserving the environment through integration between the Beni-Suef University and industry partners to achieve sustainable development that can contribute to society's advancement and Egyptian citizens' well-being.

Research achievements included international and local cooperation with about 114 researchers, whose features have been developed over time according to the needs of the Egyptian state and in line with the Ministry of Higher Education plan. According to the subject areas obtained from Scopus), these researches mainly include Chemistry, Molecular Biology, Environmental Science, Chemical Engineering, Energy, and Materials Science. The most important research is that which is in line with the Egyptian state's plan 2030, which is the production of biofuels to avoid the shortage of fossil fuels, as well as maximizing the added value from the redevelopment of food waste, as well as the studies related to the emerging coronavirus (Covid-19). The research also includes research related to petroleum and other facilities (corrosion), which is one of the research areas that I am proud of, besides the applications of modern preparations in chemistry and biochemistry. This research also includes cooperation with some foreign and Arab countries, for example, but not limited to South Korea and the Kingdom of Saudi Arabia.



⑤ Scientific activities

First: Publications

Since my graduation I have published 100 articles in different international journals. 3 accepted papers, 6 papers under publication, supervisor of 40 master thesis, supervisor of 18 Ph.D. thesis, participated in more than 18 national and international scientific conferences, member of 3 international projects, member of 6 national projects, reviewer in different scientific international journals, member of defense committee for master and Ph.D. thesis in some of Egyptian Universities, and a reviewer on the lists of reviewers to evaluate the scientific production for the positions of professors and assistant professors.

Second: The global indicators of scientific publishing

	Google Scholar	Scopus
Total Citation	2500	1170
H-index	25	18

Third: Supervision of scientific thesis

a. Awarded master thesis

1. **Basant Mahmoud Morsi**, Faculty of Science - Beni Suef University (2006), entitled "Synthesis of some new nonclassical purine analogs with their biological activities as antimetabolites.
2. **Walaa Jamal Mahmoud huzin**, Faculty of Science - Beni Suef University (2006), entitled "Synthesis of some Pyrazolopyrimidines as New purine analogues and their biological activities,"
3. **Hussein Shaban Hussain**, Faculty of Science - Beni Suef University (2009), entitled "A simple and efficient procedure for Synthesis of heterocyclic compounds with expected biological effect.
4. **Walaa Osman younis**, Faculty of Science - Beni Suef University (2011), Synthesis of some now nitrogen basos as building blocks for nonclassical anti – motabolitos.
5. **Imad Al-Din Mohamed Kamel**, Faculty of Science - Beni Suef University (2012), entitled "Chemistry of some phenolic constituents of some Egyptian folk medicinal plants.
6. **Abdelrahman Mohamed Ali**, Faculty of Science – Beni-Suef University (2012) entitled "Preparation and characterization of nano polymeric amide / or ester based on the montmorillonite clay.
7. **Mona Abdelghani Abdelaziz**, Faculty of Science – Beni-Suef University (2015), entitled "Synthesis and evaluation of some environmentally friendly organic compounds as corrosion inhibitor for carbon steel.
8. **Shaima Abdelhalim Ahmed**, Faculty of Science – Beni-Suef University (2016), entitled "Phytochemical and Biological studies of *Chamaerops humilis* L. Family Arecaceae, growing in Egypt.
9. **Doaa Abdelmoneim Abdelrahim**, Faculty of Science – Beni-Suef University (2016), entitled "Isolation and structure elucidation of chemical constituents from some Egyptian Family medicinal.
10. **Al-Zahra Osama Fathy Ahmed**, Faculty of Science – Beni-Suef University (2016), entitled "isolation and characterization of some bioactive phytochemicals from some Egyptian medicinal plants and microorganisms.

11. **Tarik Ashraf Ahmed Khalil**, Faculty of Science – Beni-Suef University (2016), entitled “Synthesis and evaluation of triazole derivatives as corrosion inhibitors for copper dissolution in alkaline medium.
12. **Islam Mahmoud Karim**, Faculty of Science – Beni-Suef University (2017), entitled “Isolation and structure elucidation of chemical constituents from some Egyptian Family medicinal.
13. **Heba Safwat Nagy**, Faculty of Science – Beni-Suef University (2018), entitled “New synthetic strategy for synthesis and computational studies of novel pyrazolo pyrimidines and thienopyridines having expected biological activity.
14. **Heba Mohamed Imam Mohamed**, Faculty of postgraduate studies for advanced science, Beni-Suef University (2018), entitled “Extracted oils from variant domestic wastewater microalgae communities as a source of biodiesel.
15. **Rania Hosni Mahmoud Mohamed**, Faculty of Science – Beni-Suef University (2019), entitled “Fabrication and characterization of Nano catalyst for efficient production of Biodiesel from waste oils.
16. **Osama Abdelaziz Abdullah**, Faculty of Science – Beni-Suef University (2019), entitled “Synthesis and evaluation of some polymeric cationic surfactants based on heterocyclic compounds and their applications in petroleum fields.
17. **Mohamed Nour El-Din Mahmoud Gad**, Faculty of Science – Beni-Suef University (2019), entitled “Synthesis and Biological Evaluation of some Pyrazolopyrimidines and arylazothiazol.
18. **Mostafa Mohamed Abdelaziz Abdeljalil**, Faculty of Science – Beni-Suef University (2020), entitled “A Biochemical study on the ameliorative effects of selenium in nano-particles or micro-particles against cisplatin-induced nephrotoxicity in rats.
19. **Rasha Hamdi Sayyed Hassan**, Faculty of Science – Beni-Suef University (2020), entitled “Phytochemical, computational and biological studies on flavonoids isolated from some Egyptian folk medicinal plants.
20. **Alaa Magdy Saad Mustafa**, Faculty of Science – Beni-Suef University (2020), entitled “Wastewater Treatment Using Nanocomposite Materials.

21. **Hayam Mohamed Al-Zaini Abdelfattah**, Faculty of Science – Beni-Suef University (2021), entitled “Evaluation of novel polymeric hydrogels for drug delivery systems.
22. **Ahamed Mahmoud Rady Mohamed**, Faculty of Science – Beni-Suef University (2021), entitled “Treatment of some aromatic pollutants from wastewater by different nano-materials,” awarded in 2021 at the Faculty of Science - Beni Suef University

b. Ongoing master Thesis

23. **Abeer Mohamed Abd-Rabbu**, Faculty of postgraduate studies for advanced science, Beni-Suef University, entitled” Energy efficiency for residential building in Egypt (2015).
24. **Mahmoud Mohamed Abdellatif**, Faculty of postgraduate studies for advanced science, Beni-Suef University, entitled” Adress salinity wells and using the effluent for agriculture and livestock production (2015).
25. **Ibrahim Saeed Anwar**, Faculty of Science – Beni-Suef University, entitled “Removal of some wastewater pollutants using layered double hydroxides intercalated with some organic substances (2017)
26. **Radwa Radi Moawad**, Faculty of Science – Beni-Suef University, entitled “Fabrication and Characterization of homo and copolymers based on alginic acid, caffeic acid and ferulic acid for biomedical applications (2018).
27. **Magda Abdelwahid Abdelghafour**, Faculty of Science – Beni-Suef University, entitled “Molecular dynamics simulation studies on flavonoids isolated from some Egyptian Folkmedicinal plants and DFT studies on their antioxidant potential (2018).
28. **Maha Refat Syed Ali**, Faculty of Science – Beni-Suef University, entitled “Preparation and application of solid catalytic materials in the transformation of oil to biodiesel (2018).
29. **Doaa Rady Hassan Ali**, Faculty of Science – Beni-Suef University, entitled “Evaluation and synthesis of some new Heterocyclic compounds with expected biological activities (2018).

30. **Asmaa Rajab Deriaz**, Faculty of Science – Beni-Suef University, entitled “Enhancement of organic dye removal from industrial wastewater through organic modification for both surface and pores of clay (2019).
31. **Doaa Salah Soliman**, Faculty of Science – Beni-Suef University, entitled “Polymerization of aniline on the surface of gluconite for the formation of orange-clay composite used industrial dye removal (2020).
32. **Nada Abdallah Khalid**, Faculty of Science – Beni-Suef University, entitled “Design, synthesis and biological evaluation of novel benzoyl pyrazole derivatives as potential anticancer agents (2021).
33. **Arowa Ali Ramadan**, Faculty of Science – Beni-Suef University,(2022), entitled: Synthesis of some organic nanocomposites and its environmental application.
34. **Aassem Taha Abdelghany**, Faculty of Science – Beni-Suef University,(2022), entitled: Hyper cross-Linked polymer nanocomposite as alternative to acidic zeolitic materials for biodiesel production from waste cooking oils.
35. **Asmaa Abdelbaky sakr**, Faculty of Science – Beni-Suef University,(2022), entitled: synthesis of new nanocomposites based organic polymers and its application for waste water treatments
36. **Abdelrahman fathy elnagar**, Faculty of Science – Beni-Suef University,(2022), entitled: Waste water treatments from dyes and organic pollutants by using organic nanocomposites.
37. **Shimaa Abdelrazek Abdelazeem**, Faculty of Science – Beni-Suef University,(2022), entitled: Synthesis of organic polymers and its composites for oxidation and treatment of organic wastewater.
38. **Abdelrahman Gamal**, Faculty of Science – Beni-Suef University,(2022), entitled: Synthesis and optical investigation of some heterocyclic compounds containing nitrogen and/or sulfur.
39. **Mohamed Adel Sayed**, Faculty of Science – Beni-Suef University,(2022), entitled: Innovative organic polymer-Based Functional nano hybrids: Synthesis, characterization and their environmental applications.

40. **Nariman Ragab Abdelaal**, Faculty of Science – Beni-Suef University,(2022), entitled: Nucleic acid component Analogues: Synthesis of Pyridine thioglycoside incorporating pyrazole moiety with Expected biological activities.
41. **HebatAllah Mohamed Abdelazeem**, Faculty of Science – Beni-Suef University,(2022), entitled: Novel synthesis of thioglycoside compounds incorporating a pyrazole moiety with expected chemotherapeutic effect.
42. **Doaa Ashraf Mohamed**, Faculty of Science – Beni-Suef University,(2022), entitled: Hyper-Cross-Linked polymers and their composites for conversion of waste and nano-edible oils to biodiesel.
43. **Omnia Talat Nemr**, Faculty of Science – Beni-Suef University,(2022), entitled: Synthesis and characterization of new co-polymer based on sodium alginate and its applications.
44. **Ghada Miehob Taha**, Faculty of science-Beni-Suef University,(2022),Entitled: Synthesis and characterization of Modified chitosan organo-clay composite for wastewater treatment.
45. **Ahmed Mokhtar Amine**, Faculty of Science-Beni-Suef University,(2022),Entitled: Preparation and characterization of polymeric membranes based on polysulfones for water treatment and its environmental applications.

c. Awarded Ph.D. Thesis

46. **Mahmoud Abdallah Mohamed Sayed**, Faculty of Science – Beni-Suef University (2003), entitled “Synthetic strategies of some new heterocyclic compounds and their applications.
47. **Yasser Hassan Zaki**, Faculty of Science – Beni-Suef University (2005), entitled “Synthesis of Heterocyclic Compounds with Expected Biological Activity,”
48. **Mahmoud Abdelkader Ahmed**, Faculty of Science – Beni-Suef University (2014), entitled “Novel synthesis and chemical reaction of purine analogues with studying their biological activities.

49. **Hussein Shaban Hussein**, Faculty of Science – Beni-Suef University (2015), entitled “Novel synthesis and chemical reaction of mercapto purines analogues with studying their different biological activities.
50. **Ayman Samih Oribi**, Faculty of Science – Beni-Suef University (2015), entitled “A study of the stability of some pesticides and relevant impurities under different environmental conditions.
51. **Imad Al-Din Mohamed Kamel**, Faculty of Science – Beni-Suef University (2017), entitled “Phytochemical, biological and computational studies on plant-derived phenolic compounds isolated from some Egyptian folk medicinal plants.
52. **Naglaa Mahmoud Mohamed Mostafa**, Faculty of postgraduate studies for advanced science, Beni-Suef University (2017), entitled” Fabrication of new ion-selective electrodes for determination of the pharmaceutical compound oxomemazine hydrochloride.
53. **Ali Hassan Muhammad Othman**, Faculty of Science – Beni-Suef University (2020), entitled “Synthesis and characterization of novel polymeric hydrogels for drug delivery systems.

d. Ongoing PhD Thesis

54. **Nahla Mekhimer Mohamed**, Faculty of postgraduate studies for advanced science, Beni-Suef University, Study of adsorption of some dyes and heavy metal ions by chemically modified chitosan (2014).
55. **Eman Elsayed Abdelhai**, Faculty of postgraduate studies for advanced science, Beni-Suef University, Chemical studies for removal of some toxic elements from industrial wastes by ion exchanger (2015).
56. **Shaima Abdel Halim Ahmed**, Faculty of Science – Beni-Suef University, entitled “Phytochemical and biological studies of some Egyptian marine macroalgae (2016).
57. **Doaa Abdel Moneim Abdel Rahim**, Faculty of Science – Beni-Suef University, entitled “Phytochemical and biological activities of some marine macroalgae collected from Egyptian Red Sea Shores (2016).

58. **Mohamed Korani Mostafa Mahmoud**, Faculty of Science – Beni-Suef University, entitled “Bio- Evaluation of some Radio-Bioconjugated Nano-particles as Potential Biomedical Targeting Agents (2017).
59. **Mona Abdelghani Abdelaziz**, Faculty of Science – Beni-Suef University, entitled “Transformation of waste cooking oils into biofuel by using activated carbon from agricultural waste sources (2017).
60. **Hisham Mansour Eid Korani**, Faculty of postgraduate studies for advanced science, Beni-Suef University, New techniques in treatment and reuse of low quality water in agriculture (2021).
61. **Islam Mahmoud karim**, Faculty of Science Beni Suef University (2022), Entitled Phytochemical characterization , evaluation of biological activities and computational studies of some Egyptian medicinal plants.
62. **Rasha Hamdi Sayyed Hassan**, Faculty of Science – Beni-Suef University (2022), entitled “Phytochemical and biological activities of some marine macroalgae collected from Egyptian red sea shores.

Fourth: Conferences

1. The 19th International Symposium on Clean Technology, Institute of Clean technology, Yeungnam University, Gyeongsan, South Korea. 15th November 2019.
- Ce-Zn Oxide Nano-flowers supported chitosan for photocatalytic degradation of malachite green dye under visible light
2. The 7th scientific conference for students of the Faculty of Science on "Basic Sciences and its technological applications, Beni-Suef University, Egypt, April, 2018.
3. The 3rd student service conference for innovation and creativity "for undergraduate and Bachelor's degree students in Egyptian, Arab and African universities. Beni-Suef University, Egypt, April 2018.

4. The scientific conference of faculty of Arts. (Research applications in the field of human sciences and their role in the renaissance of society). Beni-Suef University, Egypt, 2017.
5. The 11th conference in social and genealogical sciences in combating terrorism, Beni-Suef University, Egypt, 2016.
6. The 6th scientific conference for students of the Faculty of Science on "Basic Sciences and its technological applications, Beni-Suef University, Egypt, April, 2016.
7. The 5th scientific conference for students of the Faculty of Science on "Basic Sciences and its technological applications, Beni-Suef University, Egypt, 2015.
8. The 4th conference of (The role of private businesses and civil society in raising and advancing peoples, member of the organization committee, Beni-Suef University, Egypt, 2014.
9. The 2nd International Conference on Advanced basic & applied Sciences (ABAS-II), Organization Committee and share by Article, (Sequencing Batch Reactor as Low-Cost Innovative Technology for Municipal Wastewater Treatment). Ain El-Sokhna, Egypt, 2-4 April. 2014.
10. The 3rd conference of environmental service and community development (the role of electronic portals) Organization Committee, Beni-Suef University, Egypt, 2013.
11. The 1st International Conference on Advanced basic & applied Sciences (ABAS) Including Egyptian-Sweden, Workshop, Hurghada, Egypt. 2012.

12. The 1st scientific conference to unit of development of projects in Beni-Suef University (The role of development projects in the development of the university and the governorate of Beni- Suef), Beni-Suef, Egypt, 2009.
13. The 2nd Gottinger Chemie-Forum, (A new Butenolide and two Plant Flavones from a Marine Streptomyces sp.), Germany, July, 2008.
14. The 1st Euro-Mediterranean conference on natural marine products, EMCMP-1, Sharm El-Sheikh - Egypt - 2008
15. The 2nd International Conference on New Trends in Chemistry and Their Applications NTCA2, (New trends on the synthesis of novel purine analogues with expected antimetabolite effects) Beni-Suef University, Hurghada, Egypt, 13- 15 February, 2008.
16. The 9th Ibn Sina International conference on Pure and Applied Chemistry, (Novel synthesis of some fused pyrazolo[1,5-a]pyrimidine with expected biological activities), Ain Shams University, Sharm el sheikh, Egypt, 11-14 December 2004.
17. The 7th International Conference on "Chemistry and its Role in Development ICCRD, (Synthesis of Some Novel 4-Methylthiopyridones and pyrazolo[4,3-c]pyridines Using –Cyanoketene-s,s-acetals), Chemistry department, Faculty of Science, Mansoura University, Egypt 14-17 April 2003.
18. The 1st International Conference on "New Trends in Chemistry and their Applications" (NTCA), (A Facile Synthesis of N-Substituted-4-Methyl-Sulfanyl-2-Pyridone Derivatives Using Ketene Dithioacetals) Cairo University, Ain Sukhna, Egypt, 2- 4February, 2002.

Fifth: Review for scientific journals

1. Reviewer at Catalysis today journal, Elsevier publisher.
2. Reviewer at Chemistry Africa journal, Springer publisher.
3. Reviewer at International journal of Environmental Analytical Chemistry, Elsevier Taylor & France.
4. Reviewer at Journal of Saudi Chemical Society, Elsevier publisher.

Six: Review of scientific thesis (Master and Ph. D.)

1. Member of Ph.D. thesis defense committee for the candidate: Tahany Mahmoud Abdelhamid, **Faculty of science, Ain Shams University.**
2. Member of Ph.D. thesis defense committee for the candidate: Radwa Samy Abde Imohsen, **Faculty of science, Ain Shams University.**
3. Member of Ph.D. thesis defense committee for the candidate: Mahmoud Bekheet, **Faculty of science, Ain Shams University**
4. Member of ph.D. thesis defense committee for the candidate: Nagwa Mahmoud Gad, **Faculty of science, Helwan University.**
5. Member of Ph.D. thesis defense committee for the candidate: Abdelrahman Gamal Ahmed Ali, **Faculty of science, Ain Shams University.**
6. Member of M.Sc. thesis defense committee for the candidate: Nany Salah Eldin, **Faculty of science, Cairo University**

7. Member of M.Sc. thesis defense committee for the candidate: Esraa Mohamed Abdelfattah, **Faculty of science, Cairo University.**
8. Member of M.Sc. thesis defense committee for the candidate: Marwa Mahmoud Abdelhamid Morsi, **Faculty of Pharmacy, Beni-Suef University.**
9. Member of M.Sc. thesis defense committee for the candidate: Dina Mohamed Ahmed Amin, **Faculty of Pharmacy, Beni-Suef University.**
10. Member of M.Sc. thesis defense committee for the candidate: Eman Kamal Mousa Duidar, **Faculty of science, Cairo University.**
11. Member of M.Sc. thesis defense committee for the candidate: Mahmoud Ali Mourad , **Faculty of science, Cairo University.**
12. Member of M.Sc. thesis defense committee for the candidate: Walid Mahmoud Ahmed Elanany, **Faculty of science, Cairo University.**
13. Member of M.Sc. thesis defense committee for the candidate: Manal Mahmoud Abdeltawab, **Faculty of science, Cairo University.**
14. Member of M.Sc. thesis defense committee for the candidate: Heba Abdelazeem Bayomi, **Faculty of science, Helwan University.**
15. Member of M.Sc. thesis defense committee for the candidate: Hager Tareq Nasr Eldin, **Faculty of science, Helwan University.**
16. Member of M.Sc. thesis defense committee for the candidate: Mona Mostafa Hassan, **Faculty of Science, Helwan University.**
17. Member of M.Sc. thesis defense committee for the candidate: Ghada Ahmed Ezat, **Faculty of science, Helwan University.**

Seven: Reviewer in Permanent Scientific committee for applied chemistry in National research Center

Eight: Reviewer in Permanent Scientific committee for Organic chemistry in Supreme Council of Universities

⑥ Member of Research Projects

◆ International Projects

Programme or initiative	Beneficiary Organisation	Title of the Project	Reference number
1- Tempus	University of Alicante, Spain	Towards an Internationalization of Higher Education Network for the Meda Region (TIES)	159218-TEMPUS-ES-TEMPUS-JPGR
2- Erasmus Mundus	University of Vigo, Spain University of Sfax, Tunisia	Green IT for the benefit of civil society	37222-1-2012-1-ES-ERA MUNDUS EMA 21
3- Tempus	Princess Sumaya University for Technology	Consolidation of Student Affairs and Services in Institutions from the Southern Neighboring Area, with Special Focus on Welfare and Grievance Services –MEDAWEL	530414-TEMPUS-1-2012-1-JO-TEMPUS-JPGR

◆ National Projects

Programme or initiative	Beneficiary Organisation	Title of the Project	Reference number
1. STDF	Faculty of Science, Beni-Suef University	Pharaohs Zeolite team	18823-19
2. Academy of Scientific and Technological Research	Faculty of Science, Beni-Suef University	Hyper cross-linked polymer nanocomposite as alternative to acidic zeolitic materials for biodiesel production from waste cooking and non-edible oils	45328

3. Academy of Scientific and Technological Research	Faculty of Science, Beni-Suef University	Preparation of polymers and their using as carrier for biomaterials in medical applications	SNG-109-2015-pharmacology
4. Academy of Scientific and Technological Research	Faculty of Science, Beni-Suef University	Preparation of new nanocomposites and its application for heavy metals removal from crude oil.	SNG-2015 Research Area Energy
5. Academy of Scientific and Technological Research	Faculty of earth sciences, Beni-Suef University	Re-use of cans in the manufacture of materials used in the purification and treatment of polluted water	IPHI-016-BSU
6. Academy of Scientific and Technological Research	Faculty of earth sciences, Beni-Suef University	Purification of groundwater by using adsorbed materials that come from agricultural waste and natural raw materials	IPHI017-BSU
7. Academy of Scientific and Technological Research	Faculty of sciences, Beni-Suef University	Hyper-Cross-Linked polymers and their composites for conversion of waste and nano-edible oils to biodiesel.	SNG-2022 BSU

⑦ Teaching Experience

1. Organic Chemistry, Faculty of science, Beni-Suef University
2. Organic Chemistry, Faculty of Science, Sirte University, Libya
3. Organic Chemistry, Faculty of Medical Technology, Sirte University, Libya
4. Organic Chemistry, Faculty of Teachers, Sirte University, Libya
5. Organic Chemistry, Faculty of Agriculture, Beni-Suef University
6. Organic Chemistry, Faculty of Applied Arts, Beni-Suef University
7. Organic Chemistry, Faculty of Earth Sciences, Beni-Suef University
8. Organic Chemistry, Faculty of Industrial Education, Beni-Suef University

9. Organic Chemistry, Faculty of Science with Special needs, Beni-Suef University
10. Organic Chemistry, Faculty of Education for Early Childhood, Beni-Suef University
11. Organic Chemistry, Faculty of dentist, Nahda University
12. Organic Chemistry, Faculty of Education, Beni-Suef University
13. Organic Chemistry, Faculty of postgraduate studies for advanced science, Beni-Suef University
14. Organic Chemistry, Faculty of Pharmacy, Beni-Suef University
15. Organic Chemistry, Faculty of Veterinary, Beni-Suef University
16. Organic Chemistry, Faculty of dentist, Beni-Suef University

⑧ Postdoctoral fellowships and loans

1. Postdoctoral fellowship, Institute of pharmaceutical science, Freiburg, Germany.2006
2. Postdoctoral fellowship, Faculty of chemistry and biochemistry, Gottingen, Germany.2007.
3. Faculty of Science, Sirte University, Libya, 2009-2011.

⑨ External Collaboration

◆ National Cooperation

1. Department of Chemistry, Faculty of Science, Cairo University, Giza, Egypt.
2. Egypt Nanotechnology Center (EGNC), Cairo University, El-Sheikh Zayed, 12588, Egypt.
3. Basic science department, Nahda University, Beni-Suef, Egypt.

4. Micro-analysis and Environmental Research and Community Services Center, Faculty of Science, Beni-Suef University, Beni-Suef, Egypt.
5. Research Institute of Medicinal and Aromatic Plants (RIMAP), Beni-Suef University, Beni-Suef, Egypt.
6. Radioactive Isotopes and Generators Department, Hot Labs Center, Atomic Energy Authority, Cairo, Egypt.
7. Chemical Industries Research Division, National Research Centre, El-Bohoth Str., Dokki, Giza, 12622, Egypt.
8. Egyptian Petroleum Research Institute (EPRI), Nasr City, Cairo, 11727, Egypt.
9. Department of Mechanical Engineering, Minia University, Minia, Egypt.
10. Department of Chemistry, Faculty of Science, Helwan University, Helwan, Cairo, Egypt.
11. The Aluminum Company of Egypt, Nag Hammadi, Qena, Egypt.
12. Chemistry Department, Faculty of Science, Ain Shams University, Abbassia, Cairo, 11566, Egypt.
13. Department of Mechanical Engineering, South Valley University, Qena, Egypt.

◆ International Collaboration

1. School of Chemical Engineering, Yeungnam University, Gyeongsan, Gyeongbuk 38541, South Korea.
2. Department of Pharmacy, University of Rajshahi, 6205, Bangladesh.

3. Laboratory of Quantum and Statistical Physics, LR18ES18, Monastir University, Faculty of Sciences of Monastir, Tunisia.
4. Department of Chemical Engineering, Technological Institute of Aguascalientes, Aguascalientes, 20256, Mexico.
5. Department of Chemical, Materials and Industrial Production Engineering, University of Studies of Napoli Federico II, Piazzale Vincenzo Tecchio 80, Napoli, 80125, Italy.
6. Research Institute of Advanced Interdisciplinary, College of Life Sciences, Qingdao University, Qingdao, 266071, China.
7. State Key Laboratory of Bio-fibers and Eco-textiles, College of Mechanical and Electrical Engineering, Qingdao University, Qingdao, 266071, China.
8. Biology Department, College of Science, Princess Nourah bint Abdelrahman University, Riyadh, 84428, Saudi Arabia.
9. Department of Chemistry, Autonomous University of Madrid, Campus of Excellence UAM-CSIC Cantoblanco, Module 13, Madrid, Spain.
10. Institute for Advanced Research in Chemical Sciences (IAdChem), University Autónoma de Madrid, Madrid, 28049, Spain.
11. School of Engineering, University of South Wales, Pontypridd, United Kingdom.
12. Department of Chemistry, Faculty of Science, Al Al-Bayt University, Mafraq, 25113, Jordan.

⑩ Building Partnerships

The strategic cooperation and the formation of strategic partnerships with various bodies and institutions would help to achieve the goals in a short time and with high quality and to improve the quality of education in addition to developing the relations of scientific and cultural universities with all institutions in order to graduate generations capable of competing in the local and global market, as well as providing the necessary expertise. For the university. We have had a share of building these partnerships with various institutions in my representative as President of Beni-Suef Technological University:

1. Building a partnership with the Korean International Cooperation Agency (KOICA) to finance Beni-Suef Technological University in the amount of 5.8 million dollars. This partnership also led to the presence of a support team within Beni-Suef Technological University from the Korean University of Technology and Education (Korea Tech) and the ABEEK Foundation responsible for quality assurance and accreditation for technological and engineering programs in South Korea. I also visited South Korea, representing all the presidents of Egypt's technological universities, to transfer Korean expertise and enhance scientific cooperation.
2. Building a partnership between Beni-Suef Technological University (in my representation as its president) and the Belarusian National Technical University. A joint cooperation protocol has been signed between the two universities in all areas of academic and research activity. These plans are implemented by exchanging experiences, training programs, grants, scientific research, exchange of resources, scientific information, and work experiences Scientific and research, exchange of students and graduates, and sending faculty members from both sides.
3. A joint cooperation protocol was established with the Education Development Fund.

4. A joint cooperation protocol has been worked out with Samsung.
5. A joint cooperation protocol has been worked out with the Egyptian Space Agency.
6. A joint cooperation protocol has been worked out with the promotion zincograph company.
7. A joint cooperation protocol was worked out with the Egyptian Company for the Development of Educational Technologies (Bedo).
8. A joint cooperation protocol was worked out with the Electronics Research Institute.
9. A joint cooperation protocol has been worked out with Pencilite Corporation.
10. A joint cooperation protocol has been worked out with Emesa Denim Clothes Factory.

⑪ Participation in university education development projects

1. Chairman of the Technical Committee for the projects and Supplies of Beni-Suef University.
2. Member of the Board of Directors of the University Performance Development Center at Beni-Suef University.
3. Former Director of the Unit for Linking Research with Industry at Beni-Suef University.
4. A member of the committee preparing the strategic plan for Beni-Suef University.
5. Preparing a proposal for the strategic plan for the special units and special centers which present in the administration and colleges of the university.
6. Creation of an electronic course in organic chemistry at the National E-Learning Center (LCMS).

⑫ Creating intermediate programs in graduate studies

1. Establishing the structural engineering program in the credit hour system at the Faculty of Engineering.
2. Establishing the engineering geology program at the Faculty of Earth Sciences.
3. Establishing the cement industry and environmental development program at College of Graduate Studies for Advanced Sciences, Beni-Suef University.
4. Establishing the Institute of Medicinal and Aromatic Plants (RIMAP) at the University of Beni-Suef (member).
5. Establishing the Faculty of Navigation Sciences and Space Technology, Beni-Suef University (member).
6. Member of the Committee to establish the Faculty of Agriculture in Beni-Suef.
7. Member of the Committee for the Establishment of the Faculty of Earth Sciences, Beni-Suef University.

⑬ Consulting Experience

1. Certified consultant in the Environmental Affairs Agency. Code number 196/29/5/2018
2. Member of the Economic Advisory Council in Beni-Suef Governorate 2/23/2020

3. A consultant in university education strategies from the Human Resources Capacity Development Center at Beni-Suef University in cooperation with the Strategic Planning Unit at the Ministry of Higher Education 2014.
4. Arbitrator of the Ministry of Scientific Research Projects Arbitration Committee, Ministerial Decision No. 174 of 5/18/2017

⑭ Development Experiences

1. Member of the Executive Council of Beni-Suef Governorate.
2. Former Chairman of the Water Studies and Research Center.
3. Secretary of the National University Establishment in Beni-Suef.
4. Member of the Board of Directors of the Drinking Water and Sanitation Company in Beni-Suef.
5. Active participation and participation in the implementation of the Local Economic Development Program and the Economic Partnership Council in Beni-Suef Governorate, in cooperation with the American Aid.
6. Vice Chairman of the Cooperative Society for Construction and Housing for faculty members at Beni-Suef University.
7. Former Director of the Faculty of Science Printing Press – Beni-Suef University.
8. Member of the Construction Committee at Beni Suef University.

⑮ Environmental consulting expertise

Frist: Actions that have already been accomplished

1. Preparing studies of environmental loads for industrial zones in Beni-Suef Governorate (65 million square meters - area 1,2,3,4 / 31).
2. Preparing environmental load studies for the Atfih Development Complex (121 million square meters) of the Building and Housing Cooperatives Authority.
3. Preparation and evaluation of environmental impact studies of various industrial projects
4. Preparation of environmental records for various industrial projects
5. Preparation of hazardous waste registers for various industrial projects
6. Preparation of environmental files and technical presentations for various industrial projects
7. Conducting environmental measurements are made for various industrial facilities.
8. Preparation of environmental adjustment plans for various industrial projects.

Second: Completion and submission of studies for industrial Zone (previous works), which include:

1. Preparing environmental studies titled “Study of Environmental loads for Cement factories at heavy Industries region (31)” for Governorate of Beni-Suef (Approved)

2. Preparing environmental studies titled “Promoting a study of loads for heavy Industries region (31) in Beni-Suef” for Governorate of Beni-Suef (Approved)
3. Preparing environmental situation study titled “Study loads of the Development aggregate in the new Atfeeh zone” for an employer (Approved).

⑩ Committee Member

1. Reviewer membership on the lists of reviewers to evaluate the scientific production for the positions of professors and assistant professors (2019-2022) and (2022-2025.)
2. Member of the Construction Committee at Beni Suef University (2018)
3. Principle of Technical Committee for the projects and Supplies of the university (2018).
4. Coordinator for the committee to prepare courses for the agricultural sector for the College of Agriculture (2017).
5. Member of Follow-up Committee of the Institute for Nuclear Research (2017).
6. Membership of the Anti-Corruption Institute Preparation Committee at Beni-Suef University (2017).
7. Membership of a committee to prepare a proposal for a list of financial and administrative student unions (2017).

8. Supervising the College of Environmental Studies and Occupational Safety at Beni-Suef University (2017).
9. Chairman of the Tripartite Committee for Establishing the Cooperative Society for Construction and Housing for faculty members at Beni-Suef University (2015).
10. Vice Chairman of the Cooperative Society for Construction and Housing for faculty members at Beni-Suef University (2016).
11. Membership of the committee preparing the list of the College of Space Sciences and Technologies (2016).
12. Member of the Board of Directors of the Consulting and Engineering and Technology Support Unit, Faculty of Engineering, Beni-Suef University (2016).
13. Membership of the Board of Directors of the Engineering Consulting Center at the College of Engineering (2015).
14. Membership of the Committee for the Study of Water, Mineral and Terrestrial Natural Resources in Beni-Suef Governorate (2015).
15. Member of the Board of Directors of the Central Laboratory, College of Graduate Studies for Advanced Sciences (2014).
16. Membership of the Board of Directors of the Gardens and Tree Planting Unit at Beni-Suef University (2014).

17. Presiding over the communication committee between the university and the governorate and attending the governorate's executive council's sessions for the university's contribution to community communication and solving technical problems of industrial facilities (2014).
18. Committee for updating the study of environmental loads for the 1/31 heavy industry in Beni-Suef Governorate (2014).
19. Membership of the Board of Directors of the Occupational Safety and Health Service (2014).
20. Membership of the Technical Support and Consultation Committee for Environmental and Industrial Problems (2014).
21. Assignment of making a list for the gardens unit at Beni-Suef University (2013).
22. Member of the Board of Directors of the natural silk production project in the villages of Beni-Suef Governorate (2013).
23. The decision of the Faculty of Science Dean to approve the participation of Professor Dr. Sayed Abdelkader Ahmed in community services and to link academic science with the practical side by providing scientific consultations (2013).
24. Member of the Community Service and Environmental Development Committee (2013).

25. Director of the Research Industry Linkage Unit (2013).
26. Nomination of Prof. Dr. Sayed Abdelkader Ahmed (Director of the Research-Industry Link Unit) to activate the program to support cooperation between companies and research Facilities.
27. A statement from Beni-Suef University that Prof. Dr. Sayed Abdelkader Ahmed was a member of the committee for preparing the strategic plan for Beni-Suef University and he actively participated in the work team to prepare this plan (2011).
28. The decision of the Vice President of Beni-Suef University for Community Service and Environmental Development to assign Professor Dr. Sayed Abdelkader Ahmed to prepare a proposal for the strategic plan for units and centers of a special nature located in the administration and faculties of the university to be included in the strategic plan of Beni-Suef University (2009).
29. Decision of the President of Beni-Suef University to appoint Professor Dr. Sayed Abdelkader Ahmed as Director of the Center for Environmental Studies and Technical Consultations and Risk Reduction at Beni-Suef University (2009).

17 Membership of scientific societies

1. Member of the Society of Heterogeneous Cyclic Organic Chemistry.
2. Member of the Egyptian Society for Metal Corrosion and Protection.

⑱ Training Courses

1. A strategic expert course for three and a half months.
2. A course in strategic planning.
3. Training of trainers course (TOT) in the project roads leading to higher education
4. A course in chemical analysis laboratories certification standards.
5. A course in preparing the annual report for colleges from the Center for Quality Assurance and Accreditation, Ain Shams University.
6. A course in the English language at the Center for Foreign Languages and Specialized Translation at Cairo University.
7. A course in decision-making and problem-solving skills.
8. University teacher preparation course.
9. A course in scientific research management.
10. A course in university course preparation and design.
11. A course in scientific research management.
12. A course in the legal aspects of universities.
13. A course in effective presentation skills.
14. A course in fish breeding and chemistry from the World Food and Agriculture Organization (Al-Abassia Center for Fish Resources Development).

15. A Course in Scientific Writing and Printing (Cairo University Center for Printing and Publishing).

⑲ Seminars and workshops

1. A workshop at the Egyptian Petroleum Research Institute, the role of mineral ores in the development of industry.
2. Electronic media services workshop.
3. Seminar on new and renewable energy.
4. Crises and disasters symposium and road accidents symposium.
5. Seminar on linking research with industry.
6. Seminar on the study of the environmental impact assessment of Atfih Development Complex.
7. Seminar on the environmental impact assessment of the Rondy Ceramic factory.
8. Seminar on silk production from silkworms.
9. Seminar on the development of the Egyptian village.
10. Seminar on student services at the University of Beni-Suef.
11. A seminar on studying the environmental loads in the industrial zones in Beni-Suef Governorate.
12. A symposium on environmental damage resulting from the manufacture of fertilizers.

13. Seminar on environmental damage resulting from the production of gas and iron from car tires.
14. A symposium on damages resulting from the fertilizer industry.
15. Seminar on the optimal utilization of wastewater in the governorate of Beni-Suef

② List of Publications

- [1] N.K. Soliman, Mohamed Shaban, **Sayed A. Ahmed**, Asmaa Ragab Dryaz, H.R. Abd El-Mageed, Refat El-Sayed, Esam S. Allehyani, Hamed M. Al-Saidi, Khaled N.M. Elsayed, Ahmed Hamd, Low-cost Liagora farinosa/zeolite nanoporous composite for Congo red removal from wastewater., *Desalination and Water Treatment*, **2022**, 1–17
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- [3] Hamd, A., Dryaz, A.R., Shaban, M., Hamad A AlMohamad, **Sayed A. Ahmed**, El-Sayed, R., Soliman, N.K., Application of marine algae separate and in combination with natural zeolite in dye adsorption from wastewater; A review., *Egyptian Journal of Chemistry*, **2022**, 65(9), pp. 589–616
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- [5] Ahmed Haroun¹, Ali Osman, **Sayed Ahmed** and Ahmed H. Elghandour, Synthesis and Characterization of Ibuprofen Delivery System Based on β -cyclodextrin/Itaconic Acid Copolymer., *TRENDS IN SCIENCES* **2022**; 19(19): 5825
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- [7] Hamd, A., Shaban, M., Almohamadi, H., .Abd El-Mageed, H.R., Soliman, N.K. **Sayed A Ahmed**, Novel Wastewater Treatment by Using Newly Prepared Green Seaweed-Zeolite Nanocomposite., ACS Omega, **2022**, 7(13), pp. 11044–11056
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- [9] Mohamed, H.S., El-Mageed, H.R.A., Ali, H.S., Toqa R. Mahmoud, **Ahmed, S.A.**, Soliman, N.K. Adsorption of Mn²⁺ ions on chitosan/cellulose composite: experimentally and theoretically approaches., , **2022**, 43(10), pp. 1525–1542
- [10] Ahmed Hamd, Doaa Rady, Mohamed Shaban, Khaled N. M. Elsayed, Hamad Al Mohamadi, Ali M. Elzanaty, **Sayed A. Ahmed**, Refat El-Sayed, Nofal Khamis Soliman., Application of nano bio-clay composite in a scaling-up study for wastewater treatment., Biointerface Research in Applied Chemistry, **2022**, 12(5), pp. 6393–6414
- [11] Asmaa Ragab Dryaz, Mohamed Shaban, Hamad AlMohamadi, Khulood . Abu Al-Ola, Ahmed Hamd, N. K. Soliman & **Sayed A. Ahmed.**, Design, characterization, and adsorption properties of Padina gymnospora/zeolite nanocomposite for Congo red dye removal from wastewater., Scientific Reports [this link is disabled](#), **2021**, 11(1), 21058
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- [19] Abdelrheem, D.A., Abd El-Mageed, H.R., Mohamed, H.S., ...Elsayed, K.N.M., **Ahmed, S.A.**, Bis-indole alkaloid caulerpin from a new source Sargassum platycarpum: isolation, characterization, in vitro anticancer activity, binding with nucleobases by DFT calculations and MD simulation., *Journal of Biomolecular Structure and Dynamics.*, , **2021**, 39(14), pp. 5137–5147
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