



CV of Prof. Dr. Kamal Ibrahim Aly



Curriculum Vitae

(Last update: 2018, May^{3th})

Personal Data

Name	Kamal Ibrahim Aly.
Permanent Job	Professor of Polymer Chemistry.
Work address	Polymer Research Laboratory, Chemistry Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
Homepage	http://www.aun.edu.eg/arabic/membercv.php?M_ID=304
Home address	Alguich Street, Alsharque Ltameen Towers , Tower C, Tenth Floor, Assiut, EGYPT.
Nationality	Egyptian.
Date of birth	January 4 th , 1961.
Phone number	Office Tel: +20 882412375 Office Fax: +20 88-2080209 Home Tel: +20 882367100 Cell: +2 01097340953
E-mail address	kamalaly@yahoo.com kamalaly@aun.edu.eg
Marital Status:	Married
Number of Children:	Three

Job & Academic Development

No.	Date	Position
7	September	<i>Head of Chemistry Department, Professor</i> of Chemistry Department, Faculty of

	2013 ~ Current	Science, Assiut University, Assiut 71516, Egypt. http://www.aun.edu.eg/arabic/membercv.php?M_ID=304
6	Dec. 2009 Dec. 2010.	Visiting Professor at Kansas Polymer Research Center, Pittstate University, United State of America.
5	Oct. 2000 ~ Current	Professor: (permanent job) Chemistry Department, Faculty of Science, Assiut University, Assiut 71516, Egypt. http://www.aun.edu.eg/arabic/membercv.php?M_ID=304
4	March, 1990~ March. 1995	Assistant Professor: (permanent job) Chemistry Department, Faculty of Science, Assiut University, Assiut 71516, Egypt. http://www.aun.edu.eg/arabic/membercv.php?M_ID=304
3	March, 1990~ March. 1995	Lecturer, permanent job) Chemistry Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
2	May 1987~ March. 1990	Assistant Lecturer: Chemistry Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.
1	Dec.,1982, May 1987	Demonstrator, Chemistry Department, Faculty of Science, Assiut University, Assiut 71516, Egypt.

Scientific Degrees

No.	Degree	Degree Specification
3	PhD May. 1987 ~ March. 1990	Doctoral Degree in Science. <i>Area of Specialty:</i> Polymer Chemistry. <i>Thesis Title:</i> Synthesis and Characterization of some New Polymers based on Diarylidene cycloalkanones . <i>Donor:</i> Chemistry Department, Faculty of Science, Assiut University, Assiut 71516, Egypt. <i>Academic Supervisor:</i> Prof. Dr. Ahmed T Hamam and Prof Dr Muhamed A Abdallaha
2	M. Sc. Oct. 1983 ~ May 1987	Master of Science. <i>Area of Specialty:</i> Organic Chemistry. <i>Thesis Title:</i>

No.	Degree	Degree Specification
		<u>Donor:</u> Chemistry Department, Faculty of Science, Assiut University, Egypt. <u>Academic Supervisor:</u> Prof. Dr. Ahmed S. Hammam.
	Pre-Master	<u>Area of Specialty:</u> Advanced Organic Chemistry.
	Courses	<u>Donor:</u> Chemistry Department, Faculty of Science, Assiut University, Egypt. <u>Studied Courses:</u>
	Oct. 1983 ~ Oct.1984	<ul style="list-style-type: none"> • Advanced Stereochemistry and Photochemistry. • Advanced Organic Chemistry. • Advanced Synthetic Organic Chemistry. • Practical Course (Organic Synthesis). • Analytical Organic Chemistry (Spectroscopy & Chromatography). • Special Course (Chemistry of Quinones).
1	B. Sc.	Bachelor of Science <u>Area of Specialty:</u> Chemistry.
	Sep. 1978 ~ July 1982	<u>Donor:</u> Chemistry Department, Faculty of Science, Assiut University, Egypt. <u>General Estimate:</u> Very good with honor (79.5%), the 2 nd among 39 students.

Membership of Chemical Societies

No.	Date	Society
6	1987 - now	The Arab Society of Material Science.
5	1990 -now	Egyptian Society for Polymer Science & Technology (ESPST).
4	2013 - now	The Egyptian Society of Chemistry.
3	1990 -now	The Society of Crystallography.
2	1990 -now	Membership in Who's Who in Science and Engineering
1	1990 -now	American Chemical Society (ACS).

Scholarships & Fellowships

No.	Date	Scholarship / Fellowship
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No.	Date	Scholarship / Fellowship
6	July 2015 ~August 2015	STDF-project (GERF call 3) cooperation with Germany, Visiting Professor at Department of Macromolecular Chemistry, University of Paderborn, Germany.
5	July. 2012 ~ Sept. 2012	Post-Doctor Fellowship (Visiting Professor). DAAD Fellowship at Department of Macromolecular Chemistry, University of Paderborn, Germany.
4	Dec. 2009 ~Dec 2010.	Post-Doctor Fellowship (Visiting Professor). Visiting Professor at Kansas Polymer Research Center, Pittstate University, United State of America.
3	July. 2008 ~ Sept. 2008	Post-Doctor Fellowship (Visiting Professor). DAAD Fellowship at Department of Macromolecular Chemistry, University of Saarland, Germany.
2	July. 2004 ~ Sept. 2004	Post-Doctor Fellowship (Visiting Professor). DAAD Fellowship, at Department of Polymer Physics, University of Kaiserslautern, Germany.
1	May. 2001 ~Sep. 2002	Post-Doctor Fellowship (Visiting Professor). DAAD Fellowship at University of Karlsruhe, Germany, from first May to September 30, 2002.

Awards

No.	Date	Award
5	2013-2015	Member of the Promotion Committee of the Professors and Assistance Professors (Organic Chemistry, 2013-2015), the 11th Circle.
4	March 2003	The Best research in Chemistry, from Assiut University. Assiut University, Assiut , Egypt.
3	November 1999	Abdul-Hamid Shoman Prize for the young Arab Scientists in Chemistry, 1999. Abdul-Hamid Shoman Foundation- Jordan
2	May, 1999	Prize of Professor Solliman Hozien. Assiut University, Assiut , Egypt.
1	May, 1999	The Best research in Chemistry, from Assiut University.

No.	Date	Award
		Assiut University, Assiut , Egypt.

Research Interest

No.	Area
1	Synthesis, characterization and application of various types of organic polymers.
2	Liquid crystalline properties of polymers.
3	Conducting Polymers.
4	New photorefractive polymers and glassy chromophore monomers.
5	Corrosion Inhibition behaviors of organic polymers.
6	Recently, my research interests are also mainly in these area: Natural fiber reinforced Polymer composites High performance / conventional composites New Monomers and Polymers from Vegetable Oils by Metathesis. Novel Monomers and Polymers from Vegetable Oils by selective hydrogenation and ozonolysis. Bio-renewable Thermoset Polymers.

Research Experiences

No.	Area
1	Good theoretical background in Chemistry "Organic and Polymer Chemistry".
2	X-ray diffraction (XRD & WAX) using the powder technique.
3	FT-IR Spectra, NMR (1H,13C) Spectra, Mass Spectra and UV Spectrophotometry.
4	Gas Chromatography GC and GC/MS.
5	Gel Permeation Chromatography (GPC).
6	Mechanical Properties (hardness, tensile, flexural, impact)
7	Ultra-violet curing processes (rate of curing, energy of curing) .
8	Dimensional stability and thickness swelling properties
9	Optical Polarizing Microscopy (OPM).
10	Selective Hydrogenation and co-metathesis of oils.

Further Experiences:

No.	Teaching Experiences Undergraduate Courses
1	C 210 Organic Chemistry
2	C 211 Organic Chemistry for Non-Chemistry Students.
3	C 212 Organic Chemistry (2) Aromatic Compounds – Heterocyclic Compounds. (Practical : Selected practical experiments).
4	C 214 Environmental and Green Organic Chemistry Agrochemistry – Environmental Organic Chemistry – Green Chemistry. C 311 Stereochemistry and Spectroscopy 6. C 312 Biochemistry and Natural products
5	C 314 Advanced Organic Synthesis. C366 Heterocyclic Chemistry. C400 Research Project \ Article. C 412 Applied Organic Chemistry Dyes and Textiles
6	Material Science and Polymers . (Practical: Dyes and Textile, Polymers). C 413 Chemistry of Biomolecules.
7	C 451 Chemistry of Petroleum and Petrochemicals
8	C 453 Industrial Chemistry.

Further Experiences:

No.	Teaching Experiences Post graduate Courses
1	Polymer Chemistry for Diploma and M.SC Students
2	Industrial Organic Chemistry For Diploma and M.SC. Students.
3	Applied Chemistry For Diploma and M.SC. Students.

Further Experiences:

No.	Computer Experiences:
1	Professional computer user in teaching and research.

No.	Computer Experiences:
2	Self learning from the long use of the computer.
3	Academic computer course in designing power point presentation
4	Excellent experiences in the programming with computers software's as Hyper
5	Chem 3D, Isis Draw, Chem Draw, Chem Sketch, Origin Draw and Photoshop.
6	Excellent experience with all Windows XP, Windows 7, Vista programs and all MS windows family.

Supervision of Theses and dissertations

No.	Name	Title of Thesis	Date
1	Mahmoud A Hussien (M. Sc)	Synthetic and polymeric studies on some new diaryloxides, sulphides, sulphones and diarylidencycloalkanones compoumnds,	19 January 1998 to 30 November 2003.
2	Ayman M. Elsayy (M. Sc)	Studies of the electrochemical reduction of some cycloalkanone compounds	19 October 1998 to 25 December 2005
3	Marwa M Sayed, (M.Sc) ,	Synthesis and properties of some new liquid crystalline polymers based on cyclohexanone derivatives.	16 November, 2006 to...
4	Zenab H H Bakr, (M.Sc)	Structural and physical properties of some nanoparticles and nanocomposites.	18 November 2007,
5	Ismail A Alkeskas, (PhD.), Synthesis and characterization of some new polymers based on diarylidene derivatives.	24 January 2000 to 29 June 2003
6	Mona A.Abdulrahman, (PhD),	Synthetic studies on some new polymers based on diarylidencyclopentanones	17 December 2001 to 22 July 2006.
7	Mahmoud A Hussien (MSc) and (PhD),	Synthesis , characterization and application of some new polymers, containing different heterocycles ether and/or diarylidencycloalkanones moieties.	19 January 1998 to 30 November 2003.
8	Aml Hassan Tolba, (M.Sc	Synthesis , characterization and application of some new polymers.	
9	Mona Maknoun, (PhD),	Synthesis , characterization and application of some hyper branched polyesters.	

No.	Name	Title of Thesis	Date
10	Ahmed Ramadan (M. Sc)	Synthesis , characterization and application of some new polymers.	
11	Sahar Ahmed (M. Sc)	Synthesis , characterization and application of some new polymers.	
12	Momen Sayed (MSc)	Synthesis , characterization of some new copolyesters	
13	Nasr Mahmoud (PhD),	Synthesis , characterization of some new copolyesters.	
14	Abdulslam Mahdy	Synthesis , characterization of some new polymers	
15	Sherry Shenouda	Synthesis , characterization of some new polymers	
16	Shimaa Mostafa	Synthesis , characterization of some new polymers	

No.	❖ <u>Other Creative Activities:</u>
1	The participation in teaching the students (undergraduates and postgraduate) ,the courses of different branches in chemistry courses in faculty of Medicine, faculty of Pharmacy, faculty of Agriculture , Education, and Science.
2	Referee in Committee for Promotion of staff members (Organic Chemistry)
3	Peer reviewer of the following Journals: i. High Performance Polymers (UK). ii. RSC Advances Materials iii. Polymers (Journal UK). iv. European Polymer Journal (UK). v. Journal of Applied Polymer Science (USA). vi. Journal of Macromolecular Science A Chemistry (USA). vii. Arabian Journal of Chemistry (Elsevier Publisher). viii. Journal of polymer science ix. Polymer
4	Supervisor on Scientific Trips for B. Sc. Students (Years: 1987, 1989, 1990, 1992, 1997, 1998, 2000, 2001, 2006).
5	Supervisor of student committees in Faculty of Science, Assiut University.
6	Membership in the committee of Environment in Faculty of Science, Assiut University.
	Chairman of Chemistry Department , Faculty of Science, Assiut University.

Projects

No.	Date	Title	Budget
1	Sep.2004 ~Aug.2006)	Enhancement and Development of organic Chemistry Teaching Program for the Bachelor Degree of Science (Chemistry Major) (EDOCTEP). Web site: http://www.aun.edu.eg/fac_sci/proj/edoctep/index.htm .	HEEPF, Higher Education Enhancement Projects 2nd cycle B-048-10
2	1990	Extraction of Glycerol from Molasses of Sugar Can (project no. 4.) Sugar Company (Elhwamdeya, Egypt).	Elhwamdeya Sugar Company, Egypt.
3	Jan.2008 – Oct.2010)	Faculty of Science Development Project (FASCDP). : http://sci.aun.edu.eg/proj/fascdp/index.htm	Universities Development Funding Project (UDFP), Education development .
4	(Assiut University, Egypt, Jan.2008 – Jul.2010)	Construction of Material and Nano-Science Research Center (MNSRC). (As subproject from (FASCDP) (Activity no. 4.1) http://sci.aun.edu.eg/proj/fascdp/index.htm .	Universities Development Funding Project (UDFP), Education development Fund.
5	December2009 –December 2010) State University, Pittsburg, 66762, Kansas USA,	: NEW POLYMERS FROM VEGETABLE OIL MONOMERS GENERATED BY METATHESIS Polymer Research Center .com http://www.Kansas	Kansas Polymer Research center, Pittsburg State University, Pittsburg, 66762, Kansas USA,
6	May.2012 – April.2015)	P.I. of project entitle Novel Bio-renewable Polymers from Vegetable oils.	Science Technology and Development Fund (STDF). Web site: www.stdf.org.eg
7	August, 2014 – July.2016)	P.I. of project entitle: Novel Bio-renewable Hyper-branched Polyesters and Nano-composites from Vegetable oils for Eco-friendly Applications. (PENAVO) (Assiut University, Egypt and Paderborn University, Germany,	Budget: Science Technology and Development Fund (STDF). Web site: www.stdf.org.eg .
8	2015	Multidisciplinary Research Centre of Excellence (MRCE) At Assiut University.	Ministry of Higher Education

Conferences & Workshops

Seminar:

The participation in the scientific Seminar in the Chemistry Department, Assiut University.

International Conferences

1. Ibn Sina Intern. Conference. In Heterocyclic, Alexandria University, 25-28 December 2001.
2. The Higher Scientific Studies Conference, Assiut University, 24-28- April 2001.
3. The Second Spring School in Material Science, Assiut University 24-28 April 2000.
4. The Second International Conference in Photochemistry, Ain Shams University, 1-4 April 2001.
5. 6th International Conference in Chemistry and Its Applications, Mansoura University 17-20 April 2001.
6. 8th Ibn Sina Intern. Conference. In Heterocyclic, Assiut University , The second Intern. Conference in Material Science, Alexandria University 19-23 March 1990.
7. 3rd Ibn Sina Intern. Conference In Heterocyclic , Assiut University. (Aswan) 28-31 January 1991.
8. 1st International Conference In Polymer Science and Technology, Mansoura Univ. 24-26 September 1991.
9. 3rd Intern Conference in Material Science Alexandria University 26-30 September 1992.
10. 1st Intern conference in Applied Chemistry, Cairo, 11-15, February 1997.
11. 6th Ibn Sina Intern. Conference. In Heterocyclic, Ain Shams Univer. , 3-6 December 1997.
12. 1st International Conference in Pharmaceutical Science, Assiut University, 4-5, March 1998.
13. 1st International Conference in Material Science, King Soud University, Saudi Arabian, 29- November to 1- December 1998.
14. 5th International Conference in Chemistry and Its Applications , Mansoura University 19-22 April 1999.
15. The First Spring School in Material Science, Assiut University 24-28 April 1999.
16. The first International Conference in New Direction in Chemistry, Beni Sweef, Cairo University, 27-29 December 1999.
17. The first International Symposium in Crystallography and its Applications, Ismaillia , 23-27 January, 2000.
18. 2nd International Conference in Pharmaceutical Science, Assiut University, 8-9, March 2001.
19. 7th International Conference in Hetero cyclic Chemistry, Luxor 16-20 February 2002
20. 3nd International Conference in Pharmaceutical Science, Assiut University, 5-6, March 2001.
21. Workshop in Crystallography and Its Uses in Design of Drugs. Ain Shams University, 28 January 2003.
22. 7th International Conference in Chemistry and Its Applications, Mansoura University, Sharm Elsheek 14-17 April 2003.
23. The Second Saudi Science Conference "New Trends for Colleges of Science in Saudi Arabia : Recent Aspects of Applied Research" From 15th-17th March 2004.
24. 8th Arab International Conference on Polymer Science & Technology, 27-30 November, 2005 Cairo-Sharm El-Shiekh, Egypt.
25. 1st International Conference in Biochemistry, 21-23 December, Assiut University Egypt.
26. 8th International Conference in Pharmaceutical Science, Assiut University, 7-8 March, 2006.
27. The Third International Conference for Development and Environment in the Arab World, Assiut University, 21-23 March 2006.
28. PCR Principles & Applications , Assiut University, 5-7 March , 2007.
29. 10th Ibn Sina international conference on pure and applied heterocyclic chemistry. 17-20, February, 2007.

30. The second conference on chemistry, makha almokharama- april, 14-16 2007.
31. 9th Arab International Conference on Polymer Science & Technology, 18-22 November 2007, 10th Ramadan City, Hurghada, EGYPT.
32. Taibah International Chemistry Conference-2009, March 23-25, 2009.
33. 45th Midwest Regional Meeting ACS, October, 27-29 2010, Wichita , Kansas, USA.
34. Chairman of Chemistry Session at The Third Conference for Young Researchers, Basic Science& Technology, Assiut University, 19-20 April 2011.
35. 25th National Chemistry Congress with International Participation, 26-June to 02-July 2011- ERZURUM- TURKIYE.
36. Chairman of Chemistry Session at The Third Conference for Young Researchers, Basic Science& Technology, Assiut University, 29-30 April 2014.
37. International Conference on Materials and Applications for Sensors and Transducers, 8-11 June, 2014, Bilbao, Spain .
38. 26th International Symposium on Organic Chemistry of Sulfur. ISOCS-26 24-29 August, 2014, Istanbul, TURKEY. www.isoocs-26.org.
39. 13th IBN SINA International Conference on Pure and Applied Heterocyclic Chemistry Heterocyclic Chemistry for Sustainable Future, Sohag University, 14-17 April, 2015.
40. International Conference on Chemical Sciences & Applications 6-9 Aug 2016, Alexandria, Egypt.
41. Chairman of Chemistry Session at The Fourth Conference for Young Researchers, Basic Science& Technology, Assiut University, 29-31 October, 2016.
42. International Conference in Recent Trends in Chemistry, ICRTC 25-28 April, 2017, Hurghada, EGYPT.
43. 9th Trans Mediterranean Colloquium on Heterocyclic Chemistry TRAMECH IX , November, 22-25, Fes-Morroco.
44. The second International Conference on Multidisciplinary Research (ICMR), Caribbean World Soma Bay, Red Sea, 27-30 January, 2018, Hurghada, EGYPT.
45. IBN SINA ARAB Conference on Heterocyclic Chemistry and its Application , March, 30 – April,2, 2018 , Hurghada, EGYPT.
46. 9th International Conference in Environmental and Development in Arab Countries , 15-17-April 2018 Assiut University , (Chairman of Session) .