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Qualifications: الشهادات العلمية

- # B.Sc. (1980) "Science College" " Baghdad University (Iraq)
- # M.Sc. (1984) "Science College" University of Baghdad/ Chemistry Dept. (Iraq)
- # Ph.D. (2010) "Science Faculty" "Manufacturing" University of Putra Malaysia ((UPM)/ Chemistry Dep (Malaysia)

Fields of Interest: مجالات الاهتمام (توضع علامة نجمة للمجال الأكثر عملاً واهتماماً)

- # Physical Chemistry
- # Nanotechnology
- # Electrochemistry, Cyclic Voltammetry
- # conductive polymer

Recent Publications: آخر البحوث المنشورة

- # A study on oxidizing effect of an eye lubricant mixture of carboxy methyl cellulose and hyaluronate on the tear film in human eye using cyclic voltammetry, *Journal of Biochemistry International* 3(1): 1-8, 2016, ISSN: 2454-4760
- # Electrochemical Study of Pb(II) in Present of Each Ascorbic Acid, Glucose, Urea and Uric Acid Using Blood Medium as an Electrolyte, *Nano Biomed Eng* 2016, Vol. 8, Issue 1, PP 9-15.
- # Fabrication and characterization of grafted polymer electrode self - modification with activated carbon, *Int J Ind Chem* (2016) 7:103–108 (springer)
- # Electrochemical oxidation effect of ascorbic acid on mercury ions in blood sample using cyclic voltammetry, *Int J Ind Chem* (2015) 6:311–316 (springer)

Recent Prizes: الجوائز الأخيرة

جائزة يوم العلم 2014 لثاني مرتبة لبراءات الاختراع

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براءات الاختراع: Patents:	
	⊕ A process for producing polystyrene-acrylonitrile. PI2010003835, Malaysia, UPM, 13-08-2010
	⊕ Fabrication of grafted polystyrene-acrylonitrile modified with activated carbon using as conductive and semiconductors materials. 3413, H01B1/24, IQ, 16-07-2012
	⊕ Fabrication of grafted polymer working and reference electrodes using in cyclic voltammetric technique. 3439, C04B35/58, IQ, 23-09-2012
	⊕ Producing of grafted polystyrene-acrylonitrile modified with carbon nanotubes using as conductive and semiconductors materials. 3447, H01L51/00M4, IQ, 17-10-2012
	Fabrication of grafted polymer electrode self-modified with acrylonitrile, 3690, C01B31/08, IQ, 13-09-2013.
	Study the effect of each acrylonitrile as monomer and ferrous ammonium sulfide using different dose of gamma irradiation on the properties of color and thermal analysis for new dental material, 3890, A61C5/08, IQ, 26-05-2014.
	Protective mask from the risk of nanomaterials, 4158, G21F1/00, IQ, 09-03-2015.
	New method for fabrication of polymeric transistors from grafted polymers, 4185, C08C220/00, IQ, 22-04-2015.
	Producing grafted polystyrene- acrylonitrile modified with C ₆₀ to fabricate working electrode of cyclic voltammetric apparatus, 4327, C08F8/00, IQ, 16-09-2015.
	Fabrication of grafted polymer working electrode self-modification with carbon nanotubes, 4593, C25B11/12, H01M4/88, IQ, 2-6-2016

المناصب الإدارية: Administration Position:	
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Membership in Scientific Societies: العضوية في الجمعيات العلمية:

	# 2012- Member, ISECCO
	# 2016-Member, Iraqi Forum of Inventors
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Editor/Reviewer: محرر / مراجع:

	# 2014—2015, reviewer Academic Star Publishing Company, <i>Modern Environmental Science and Engineering</i> (ISSN 2333-2581).
	# 2015-2016, reviewer American Association for Science and Technology AASCIT
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Professional Activities: الأنشطة المهنية:

	# Researches for nanotechnology as supervisor for M Sc and Ph D students
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Invited lectures:

	# 2012, ISECCO, conference, as speaker
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