

Curriculum Vita of Dr. Ismail Mohamed Ahmed

Personal Data:

Name			Nationality	Place of Birth	Date of Birth	Gender	Marital Status
Frist	Middle	Family	Egyptian	Giza	17/9/1970	Male	Married
Ismail	Mohamed	Ahmed					
General Specialization		Chemistry					
Specialization		Inorganic Chemistry					
Current Position			Associate Prof.				
Scientific Title			<input type="checkbox"/> Other <input type="checkbox"/> Lecturer <input type="checkbox"/> Assistant Professor <input type="checkbox"/> Professor <input checked="" type="checkbox"/> Associate Professor <input type="checkbox"/> Professor				
Highest degree/ Date			Ph.D. (2008)				
ID Number							
College			Science	Department	Chemistry		

Contact Data:

Address		E-mail address (official)	Imibrahim @ju.edu.sa
Work Phone no. (Internal phone number)		E-mail address (personal)	ismadwy@yahoo.ca
Home phone number		Personal site	
Mobile		Fax	
Mailbox		Postal code	

Education (Bachelor, Master, PhD, Other):

No.	Qualification	Date	Degree	University	Collage	Scientific Department	Specialization	
							General	Specific
1	Bachelor	1991	V. Good	Cairo University	Science	Chemistry	Chemistry	Chemistry
2	Master	2004	-	Helwan University	Science	Chemistry	Chemistry	Inorganic Chemistry
3	PhD	2008	-	Ain Shams University	Science	Chemistry	Chemistry	Inorganic Chemistry

Employment Qualifications:

Job	Job Title	University Degree	Workplace	Date		Work duty	Years of Experience
				From	To		
1	Senior chemist	B.Sc.	Egyptian Atomic Energy Authority	1998	2009	Research	10
2	Lecturer	Ph.D.	Egyptian Atomic Energy Authority	2009	2014	Research	5
3	Assistant Prof.	Ph.D	Egyptian Atomic Energy Authority	2014	2019	Research	5
4	Prof.	Ph.D	Egyptian Atomic Energy Authority	2019	Till now	Research	

Participation in scientific conferences and symposiums

No.	Title of the conference or symposium	Held in	Year
1	9th international conference of nuclear sciences and applications	Sharm EL Shiekh , Egypt	2012

Supervision of undergraduate:

No.	Thesis Title	Degree		University	Year	Collage	Department
		M.Sc.	Ph.D.				
1	Effect of organic pollutants on migration of radionuclides in soil"	√		Al-Azhar	2012	Science	Chemistry
2	Chemical studies on extraction of uranium and phosphoric acid from the crude acid	√		Ain -shams	2018	Science	Chemistry
3	sorption of uranium and its fission products by nanoparticles		√	Ain- shams	2017	Science	Chemistry
4	Synthesis and Applications of Decorated Nanocomposite Chitosan for the Separation of Some Elements of Economic and Environmental Interest	√		Jouf University	2021	Science	Chemistry
5	Decontamination of wet process phosphoric acid by different techniques.	√		Jouf University	2022	Science	Chemistry
6	Synthesis and characterization of layered double hydroxides: Application on dyes sorption	√		Jouf University	2022	Science	Chemistry

Membership of specialized committees and associations:

No.	Committee	Period	Place
1	Member of Egyptian Syndicate of Scientific Professions	Since 1991	Cairo, Egypt
2	Member of Egyptian Teachers Syndicate of Scientific Professions	Since 1991	Cairo, Egypt

Training courses and workshops:

No.	courses / workshop	Specialization	Held in	Year
1	The protection from ionizing radiation course"	Chemistry	Cairo, Egypt	22/5 - 2/6, 1999
2	The using of radioactive isotopes and the protection from ionizing radiation course"	Chemistry	Cairo, Egypt	11/9 -13/10, 1999
3	The Protection of the environment from chemical and radioactive pollutants course"	Chemistry	Cairo, Egypt	10-15/4/2004
4	X-ray Diffraction and XRF course"	Chemistry	Cairo, Egypt	28/8 -3/3/2004
5	The protection of laboratories that used radioactive isotopes course"	Chemistry	Cairo, Egypt	28/5 -1/6 -2005
6	Nuclear material accounting and reporting course"	Chemistry	Cairo, Egypt	11-12/1 -2012 ,
7	National workshop on nuclear security culture in practice by IAEA-ENRRA	Chemistry	Cairo, Egypt	3/11/2016
8	Egyptian-Italian workshop on renewable energy& related materials"	Chemistry	Cairo, Egypt.	17-19 /10/2016,
9	National training course on security of nuclear materials in transport." -by IAEA-ENRRA	Chemistry	Cairo, Egypt.	13-17/11/2016,
10	Workshop on SHIMADZU [XRD 7000, FT-IRTracer -100, XRF – 1800, TGA 50 – DSC 60, Rap ID Raman – HOUND]	Chemistry	Jouf, Saudi Arabia	4-29/11/2019

11	Renewable Energy- Challenges and Opportunities	Chemistry	Jouf, Saudi Arabia	26/3/2019
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Skills:

Skills	1	Seminars presentation
	2	Information & Digital literacy
	3	
	4	

Community, cultural and volunteer contributions:

No.	activity	Type of activity	Period
1			
2			
3			

Awards and honors:

No.	Award	Awarded by	Specialization	Period
1	Award of scientific achievement	Egyptian Atomic Energy Authority	Chemistry	2012

Administrative positions

No.	Position	Organization	Country	Period
1	Head of the chemistry of nuclear fuel department	Egyptian Atomic Energy Authority	Egypt	2014-2015

Languages:

language	Speaking	Writing	Reading
English	Excellent	V. Good	Excellent

Authoring Books

No.	Book Title	ISBN	Co-Author	Edition	Number of Pages	Book Language	Publication Date
1

Scientific Publications:

No.	Title	Publisher	Year of Publication
1	Studies on the use of CYANEX 272 for Cr(III) / Cr(VI) separation from different aqueous solutions. Egypt. J. Anal. Chem., Vol. 13, pp. 96-108 (2004)	ESNSA	2004
2	CYANEX 272 for the extraction and recovery of zinc from aqueous waste solution using a mixer-settler unit. Separation and Purification Technology 47 (2006) 135–140	Elsevier	2006
3	Solvent extraction separation of Zn(II), Fe(II), Fe(III) and Cd(II) using tributylphosphate and CYANEX 921 in kerosene from chloride medium. Chemical Engineering and Processing: Process Intensification. 47(2), 2008, 177-183	Elsevier	2008
4	Extraction of Palladium from Nitrate Solution by CYANEX 471X. International Journal of Mineral Processing 101 (2011) 89–93	Elsevier	2011
5	Cementation of Copper from Spent Copper-Pickle Sulfate Solution by Zinc Ash. Hydrometallurgy 110 (2011) 62–66	Elsevier	2011
6	18-Crown-6 for the Selective Extraction and Separation of Cerium(IV) from Nitrate Medium Containing Some Lanthanides International Journal of Mineral Processing 101 (2011) 58–62	Elsevier	2011
7	Adsorption Study of Anionic Reactive Dye from Aqueous Solution to Mg-Fe-CO ₃ Layered Double Hydroxide (LDH) Applied Surface Chemistry 259(2012) 650-656	Elsevier	2012
8	Extraction of Gallium(III) from Hydrochloric Acid by CYANEX 923 and CYANEX 925. Hydrometallurgy, 131-132, (2013)24-28.	Elsevier	2013
9	Solvent Extraction Separation Study of Fe(III) from Sulphate Medium by CYANEX 272 in Kerosene. Arab Journal of Nuclear Science and Applications, 46(5)(2013) 48-55	ESNSA	2013
10	Treatment of industrial wastewater containing Congo Red and Naphthol Green B using lowcost adsorbent. Environmental Science and Pollution Research, 2013, 20 (2) 1106–1116.	Springer	2013
11	Liquid-Liquid Extraction and Separation of Divalent Manganese and Zinc by Na-CYANEX 272 from Sulfate Solution. Separation Science and Technology, 49(2)(2014) 290-297	Elsevier	2014
12	Adsorptive removal of methylene blue as organic pollutant by marble dust as eco-friendly sorbent . Journal of Industrial and Engineering Chemistry. 20(4) , 2014, 2370-2377.	Elsevier	2014
13	Influence of some organic ligands on the adsorption of lead by agricultural soil Arabian Journal of Chemistry. doi:10.1016/j.arabjc.2015.03.012	Elsevier	2015

14	Sorption behavior of cesium, cobalt and europium radionuclides onto hydroxyl magnesium silicate. <i>Radiochim. Acta</i> 2016; 104(12): 873–89	Springer	2016
15	An assessment for the recovery of lanthanides and P ₂ O ₅ from phosphate rocks. <i>Advances in Environmental Biology</i> , 10(9), 2016: 49-53	AENSI	2016
16	Studies on the Extraction of Cr(VI) from Chloride Solution by TBP and Cyanex 921. <i>Arab Journal of Nuclear Science and Applications</i> , 94 (3), (107-119) 2016	ESNSA	2016
17	Kinetic Sorption Study of Cerium (IV) on Magnetite Nanoparticles. <i>Particulate Science and Technology</i> , Volume 35, 2017 - Issue 6	Tandfonline	2017
18	Modified acidic leaching for selective separation of thorium, phosphate and rare earth concentrates from Egyptian crude monazite. <i>International Journal of Mineral Processing</i> 149 (2016) 34-41	Elsevier	2016
19	Leaching and recovery of zinc and copper from brass slag by sulfuric acid. <i>Journal of Saudi Chemical Society</i> . 20 (1), 2016, S280-S285.	Springer	2016
20	Studies on the Extraction of Cr(VI) from Chloride Solution by TBP and Cyanex 921 . <i>Arab Journal of Nuclear Science and Applications</i> , 94 (3), (107-119) 2016	ESNSA	2016
21	Removal of Arsenazo-III and Thorin from radioactive waste solutions by adsorption onto low-cost adsorbent. <i>J Radioanal Nucl Chem</i> (2017) 314:2253-2262	Springer	2017
22	Modification of hydroxyapatite for removal of cesium and strontium ions from aqueous solution. <i>Journal of Alloys and Compounds</i> 709 (2017) 438-444	Elsevier	2017
23	Adsorption behavior of zirconium and molybdenum from nitric acid medium using low-cost adsorbent. <i>Journal of Molecular Liquids</i> , Volume 249, January 2018, Pages 361-370.	Elsevier	
24	Selective sorption and separation of molybdenum ion from some fission products by impregnated perlite. <i>Chemical Engineering and Processing: Process Intensification</i> . 124, 2018, 131-136	Elsevier	2018
25	Development of selective separation method for thorium and rare earth elements from monazite liquor. <i>Journal of Radioanalytical and Nuclear Chemistry</i> . 2018, 316(2), 443–450.	Springer	2018

26	Extraction and separation of Ga(III) from hydrochloric acid solution by Cyanex-921 in sulfonated kerosene. Journal of Radioanalytical and Nuclear Chemistry. 2018, 317 (2), 969-976.	Springer	2018
27	Possible use of synthesized nano silica functionalized by Prussian blue adsorbent for removal of certain radionuclides from liquid radioactive waste. Journal of Molecular Liquids 261 (2018) 379–386	ElsevierV	2018
29	Purification of Crude Phosphoric Acid and Leached Apatite by Solvent Extraction with CYANEX 923 in Kerosene. Periodica Polytechnica Chemical Engineering, 63(1), pp. 122–129, 2019	University of Technology and Economics, Budapest	2019
30	Retention behavior of anionic radionuclides using metal hydroxide sludge. Radiochimica Acta. Volume 107, Number 12, pp. 1161-1172 (2019)	De Gruyter	2019
31	Extraction of carrier-free ⁹⁹ Mo by ionic liquids from acid solutions: A model of seaborgium (Sg) experiment. Applied Radiation and Isotopes. 149 (2019) 83–88	Elsevier	2019
32	Separation of Strontium and Yttrium in Nitric Acid Solutions Using zirconium titanium phosphate and Dowex exchanger. Journal of Radioanalytical and Nuclear Chemistry. 321(2019)39-47	Springer	2019
33	Modification of perlite to prepare low cost zeolite as adsorbent material for removal of ¹⁴⁴ Ce and ¹⁵²⁺¹⁵⁴ Eu from aqueous solution . https://doi.org/10.1515/ract-2019-3221	De Gruyter	2020
34	Experimental and mathematical modeling of Cr(VI) removal using nano-magnetic Fe ₃ O ₄ -coated perlite from the liquid phase. Chinese Journal of Chemical Engineering. https://doi.org/10.1016/j.cjche.2019.12.027	Elsevier	2020
35	Solvent Extraction Separation of La, Sm and Dy from Sulfate-Phosphate Medium by CYANEX 272 in Kerosene. Mining, Metallurgy & Exploration. 37 (2020) 475-480.	Springer	2020
36	Mg-Cr Layered Double Hydroxide (LDH) Intercalated with Sodium Dodecyl Sulfate as Sorbent for Alizarin Red-S in Aqueous Solutions. Arab Journal of Nuclear Science and Applications . Arab Journal of Nuclear Sciences and Applications 54 (2), 50-62	ESNSA	2021
37	Batch kinetics of ¹³⁴ Cs and ¹⁵²⁺¹⁵⁴ Eu radionuclides onto poly-condensed feldspar	Elsevier	2021

	and perlite based sorbents. Journal of Hazardous Materials 403, 123945		
38	Overview on the Removal of Iron from Phosphoric Acid: A Comparative Study . Arab Journal of Nuclear Sciences and Applications 54 (2), 37-49	ESNSA	2021
39	A novel adsorbent functionalized with tri-octylamine (TOA) to effective removal of Cr(VI) from sulfate medium. Journal of the Taiwan Institute of Chemical Engineers. 121,2021, 292-301	Elsevier	2021
40	Adsorption of Cr(VI) using α -Fe ₂ O ₃ coated hydroxy magnesium silicate (HMS): isotherm, thermodynamic and kinetic study. International Journal of Environmental Analytical Chemistry.	Taylor and Francis	2021
41	Preparation and Characterization of Magnetite Talc (Fe ₃ O ₄ @Talc) Nanocomposite as an Effective Adsorbent for Cr(VI) and Alizarin Red S Dye Materials 15 (9), 3401	mpdi	2022
42	Novel Pyridinium Based Ionic Liquid Promoter for Aqueous Knoevenagel Condensation: Green and Efficient Synthesis of New Derivatives with Their Anticancer Evaluation. Molecules 2022, 27(9), 2940; https://doi.org/10.3390/molecules27092940	mpdi	2022
43	Azides in the Synthesis of Various Heterocycles. Molecules 2022, 27, 3716. https://doi.org/10.3390/molecules27123716	mpdi	2022
45	Sorption of Uranium (VI) From Aqueous Solution Using Nanomagnetite Particles; Singly and Coated With Humic Acid. Radio analytical and nuclear chemistry DOI:10.21203/rs.3.rs-1052562/v1	Springer	2022
46	Nanostructured materials based on g-C ₃ N ₄ for enhanced photocatalytic activity and potentials application: A review. Arabian Journal of Chemistry 15, 9, 2022, 104070.	Elsevier	2022

References:

No.	Name	Job	Address	E-Mail	Tel.
1	Prof. Hisham Fouad	Prof. of Nuclear Chemistry	Atomic energy post office 13759, Inshas, Cairo, Egypt	AlydrHisham@yahoo.com	
2	Prof. Jacqueline Daoud	Prof. of Nuclear Chemistry	Atomic energy post office 13759, Inshas, Cairo, Egypt	jadaoud@yahoo.com	