

1. Personal data

Name (Arabic)	هشام مروان على
Name (English)	Hisham M. Aly
Department	Chemistry
College	science
Academic degree	<i>Assistant Professor</i>
Office Address	
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Web site (if any)	
Recent Photo (passport format)	

2. Education

Institution	Degree obtained	Year
Zagazig Univ – Benha	Ph.D	1994
Texas A&M cooperative supervision		
Zagazig Univ - Benha	M.Sc.	1988

Zagazig Univ - Benha	B.Sc.	1981

General specialty	Chemistry
Specific specialty	Analytical Chemistry

Language skills (Excellent, Very Good, Good, Basic)

Language	Reading	Speaking	Writing
Arabic	Good	Good	Good
English	Good	Good	Good
French	Poor	Poor	poor
Other (specify)	Non	Non	non

3. Cooperation with local and international entities having website

(جامعة - مؤسسة - وزارة - مركز بحثي - عضو هيئة تدريس - باحث - شركة - مصنع - الخ)

Name of local and international entity	website
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4. Membership of professional bodies (List)

- 1)
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- 5)
- 6)
- 7)

5. Distinction and Awards (List)

- a.
- b.
- c.

6. Academic

6.1. Teaching

- For each course taught,
 - Give on separate file: course description, 2 samples of assignments, 2 samples of exams, 2 samples of model answers
 - Give the URL of the course web site, if any
 - Provide power point slides

6.1.1. Courses at under graduate level

1. Course name Link of course URL website Link to course slides power point or pdf Link to course description and samples	Gravimetric analysis
2. Course name Link of course URL website Link to course slides power point or pdf Link to course description and samples	Solvent extraction
3. Course name Link of course URL website Link to course slides power point or pdf Link to course description and samples	Instrumental analysis
4. Course name Link of course URL website Link to course slides power point or pdf Link to course description and samples	Radiation chemistry
5. Course name	Special course in radiation chemistry

<p>Link of course URL website</p> <p>Link to course slides power point or pdf</p> <p>Link to course description and samples</p>	
<p>6. Course name</p> <p>Link of course URL website</p> <p>Link to course slides power point or pdf</p> <p>Link to course description and samples</p>	
<p>7. Course name</p> <p>Link of course URL website</p> <p>Link to course slides power point or pdf</p> <p>Link to course description and samples</p>	
<p>8. Course name</p> <p>Link of course URL website</p> <p>Link to course slides power point or pdf</p> <p>Link to course description and samples</p>	

6.1.2. Courses at post graduate level

<p>1. Course name</p> <p>Link of course URL website</p> <p>Link to course slides power point or pdf</p> <p>Link to course description and samples</p>	Advanced course in radiation chemistry
<p>2. Course name</p> <p>Link of course URL website</p> <p>Link to course slides power point or pdf</p> <p>Link to course description and samples</p>	Advanced analytical chemistry
<p>3. Course name</p> <p>Link of course URL website</p>	

Link to course slides power point or pdf Link to course description and samples	
4. Course name Link of course URL website Link to course slides power point or pdf Link to course description and samples	
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8. Course name Link of course URL website Link to course slides power point or pdf Link to course description and samples	

Areas of research

- **Analytical Chemistry**
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6.2. PhD/MSc Supervision

Title	PhD/MSc	Year completed / in progress
1) Titanium antimonite as ion exchange	Ph.D	1996
2) Synthesis of Zeolite for industrial uses	Ph.D	2003
3) Characteristics studies of some tetramine macro cyclic molecules and their chelates with transition metals	M. Sc	2005
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6.3. Grants for Projects

Funding organization	Project title	Role	Year

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6.4. Committees

- 1)
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- 3)
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- 5)

6.5. List of Publications (Authors, Title, Journal/Conference name, pages from to, year, link to full paper)

For each paper, you should either attach it in pdf format (name of file is the same as the paper title) or if published online give the URL of the journal or conference where it is published.

- 1) Hisham M. Aly *, Alaa S. Amin; Utilization of ion exchanger and spectrophotometry for assaying amoxicillin and flucloxacillin in dosage form; International Journal of Pharmaceutics 338 (2007) 225–230
- 2) M.A. El-Absy, M. Mostafa, M.A. El-Amir, H. El-Said, A.A. Abdel Fattah, H.M. Aly; $^{137}\text{Cs}/^{137\text{m}}\text{Ba}$ radioisotope generator based on 6-tungstocerate(IV) column matrix; J. Radioanalytical Nuclear Chem, 267 (1) 161-167 (2006)
- 3) M.A. El-Absy, M.A. El-Amir, M. Mostafa, A.A. Abdel Fattah, H.M. Aly; Separation of fission produced ^{106}Ru and ^{137}Cs from aged uranium targets by sequential distillation and precipitation in nitrate media. J. Radioanalytical Nuclear Chem., 266 (2) 295-305 (2005)
- 4) R.M. Mohamed, H.M. Aly, M.F. El-Shahat, I.A. Ibrahim; Effect of the silica sources on the crystallinity of nanosized ZSM-5 zeolite; Macroporous and mesoporous materials, 79, 7-12 (2005).
- 5) A.A. Helal, A.M. Alian, H.M. Aly, S.M. Khalifa, Potential of Pottery materials in manufacturing radioactive waste containers. Applied Radiation and Isotopes. 59, 11-16 (2003).
- 6) H.M. Aly, E.M. Kamar, Kinetic studies of some actinide ions exchange on Al-13-phosphatoantimonic acid. Solvent extraction Ion exchange, 21(4) 613-620, 2003.
- 7) H. M. Aly, Kinetic Studies of Na^+ and K^+ Exchange on Cerium Phosphate, *Solvent Extraction & Ion Exchange*, 14 (1), 171 – 177 (1996) .
- 8) H. M. Aly, The Al – 13 – Phosphatoantimonic Acid Synthesis and Ion Exchange Properties, *Solvent Extraction & Ion Exchange*, 14 (5), 947 – 954 (1996) .

- 9) H. M. Aly and A.A.M. Daifullah, Potential Use of Bagasse Pith for the Treatment of Wastewater Containing Metals, *Adsorption Science & Technology*, 16 (1), 33 – 38 (1998) .
- 10) H. M. Aly, G.S. El – Din and A.A. Taha, Equilibria and Kinetics of Cobalt, Nickel and Copper Ion Exchange on Titanium (IV) Antimonate, *Solvent Extraction & Ion Exchange*, 19 (2), 345 – 356 (2001) .
- 11) H. M. Aly, Interdiffusion Mechanism of Alkali Metal Ions on Al – 13 – Phosphatoantimonic Acid, Cerium Phosphate, *Solvent Extraction & Ion Exchange*, 19 (3), 565 – 575 (2001) .
- 12) A. S. Amin H. M. Aly, Utilization of Colorimetric and Atomic Absorption Spectrometric Determination of Aztreonam Through Ion Pair Complex Formation, *International Journal of Pharmaceutics*, 205, 35 – 41 (2000) .
- 13) N. M. Shash H. M. Aly, Electrical – Conductivity Behavior in Crystalline Cerium (IV) Phosphates, *I l Nuovo Cimento*, 19 (D) N 7, 929 – 938 (1997) .
- 14) H. M. Aly, Chromatographic Studies on the Uptake of Cobalt and Uranium from Nitrate Solution on Al – 13 – Phosphatoantimonic Acid, *Separation and Purification Technology* , 24, 413-417 (2001) .
- 15) H. M. Aly and E. M. Kamar, Adsorption of thorium and Uranyl Ion on Al – 13 – Phosphatoantimonic Acid, 6th International Conference on Chemistry and Its Role In Development, Mansoura, April 17 – 20, (2001) .
- 16) Testing of Pottery Materials for use as Containers for Disposal of Radioactive Waste, **A.A. Helal, A.M. Alian, H.M. Aly*** and S.M. K halifa,
Third African Conference for Non-Destructive Testing, Tripoli - Jamahirya 22-24/10/2001
- 17) Chromatographic study on the uranium uptake from nitrate solution by different ion exchangers, H.A. Dessouky, M.M. Abdel- Badei, S.M. Khalifa, H.M. Aly, *J. Radioanal. Nucl. Chem., Letters*, 126(2), 165-172 (1988).
- 18) Extraction chromatographic performance of uranium using XAD-4 loaded with di-2-ethylhexylphosphoric acid and nitrate solutions, M.M. Abdel-Badei, S.M. Khalifa, H.A. Dessouky, H.M. Aly, H.F. Aly, *Isotopenpraxis* 25 (5), 211-214 (1989).
- 19) Recovery of uranium and europium from simulated radioactive waste solution containing cesium, cobalt and ruthenium, M.M. Abdel-Badei, H.M. Aly, S.M. Khalifa, H.F. Aly, *Isotopenpraxis* 25 (5), 211-214 (1989).
- 20) Recovery of uranium and europium from simulated radioactive waste solution containing cesium, cobalt and ruthenium, M.M. Abdel-Badei, H.M. Aly, S.M. Khalifa, H.F. Aly, *Isotopenpraxis* 25 (5), 211-214 (1989).
- 21) Sorption behavior of uranium on tin(IV) antimonite from aqueous solutions, M.M. Abdel Badei, I.M. El-Naggar, A.A. El-Belihi, H.M. Aly and H.F. Aly, *Radiochimica Acta*, 56, 89-92 (1992).
- 22) Ion exchange equilibria of Co(II) with tin(IV) antimonite in aqueous acidic solution, M.M. Abdel Badei, I.M. El-Naggar, H.M. Aly and H.F. Aly, *Arab J. Nuclear Sci. and Applications*, 25(1), 263-278 (1992).

- 23) Ion exchange studies on the hydrous tin(IV) antimonite oxide with europium ion, M.M. Abdel Badei, I.M. El-Naggar, A.A. El-Belihi, H.M. Aly and H.F. Aly, *Arab J. Nuclear Sci. and Applications*, 25(1), 303-318 (1992).
- 24) Alteration of aluminum pillared clays for enhanced catalytic activity, A. Clearfield, H.M. Aly, R.A. Cahill, G.P.D. Serrette, W.-L. Shea and T.-Y. Yen, International symposium on zeolites and microporous crystals, Nagoya, August 22-25, 433-442 (1993).

6.6. Attended Workshops, Symposiums, and Conferences

List name and year

Name of Workshops, Symposiums, and Conferences	Year
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6.7. Books published

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7. Positions

	Date From - to	Organization	Country	Position	Role
1	2001-present	Benha University	Egypt	Assistant Prof	Teaching; Research
2	1994-2001	Benha University	Egypt	Lecturer	Teaching, Research
3	1989-1994	Benha University	Egypt	Lecturer assistant	Teaching, Research
4		Benha University	Egypt	Demonstrator	Teaching Research
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6					
7					

8. Activities in faculty/university/community service

Name of Activity service	Year
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9. Consulting Experience (if any)

10. Additional information you would like to put on the website