

Curriculum Vita
Professor Dr. Abdel-Hakim T. Kandil.

PERSONAL INFORMATION	
	<p>Address: Dept. Of Chemistry, Faculty of Science, Helwan University, Cairo, Egypt.</p> <p>Phone: 02- 37629198</p> <p>Fax: 002-2 5552468</p> <p>Mobile : 0106607757</p> <p>Email: kandil2610@gmail.com</p>
EDUCATION	
	<ul style="list-style-type: none">• B.Sc., Chem. and Phys. (Cairo University), June 1962 Distinction and Honors.• Ph.D. Chemistry, Florida State University, Aug. 1969
APPOINTMENTS AT HELWAN UNIVERSITY	
	<ul style="list-style-type: none">• 1985 — Till present Professor of Chemistry Faculty of Science• 1987—1988 Chairman. Dept. of Chem., Faculty of Science• 1994—1996 Director Center of Scientific Research,

- 1998- 2002 Vice Dean for Environmental Affairs.
- 2006 – 2008 and from October 1,2012 till now : Director of the Faculty, Leadership Development Center at Helwan University. **The FLDP Center has been Internationally accredited in May 2013 for three years from South Western Accreditation Council (SWAC).This accreditation allows for international Recognition in Human Resources Devlopoment.**
- **Director of the Center of Scientific Studies and Scientific Services in the Faculty of Science,Nov.2013**

OTHER APPOINTMENTS

- 1969 Research Associate, Columbia Univ., New York
- 1971-1973 Lecturer, Dept. Of Chem., Atomic Energy Establishment, Cairo, Egypt.
- 1973-1974 Assistant Prof. Of Chem., Florida State University, Tallahassee, Fla. U.S.A.
- 1974-1976 Alexander von Humboldt Fellow, Ruhr University, Bochum., Germany
- 1976-1979 Associate Prof. Of Chem., Atomic Energy Establishment
- Summer 1980 Guest Prof., Ruhr Univ. Bochum West Germany

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| | <ul style="list-style-type: none">• Summer 1981 Institute Fur Reactor Forschung, Switzerland.• 1979 — 1984 Professor of Inorganic and Nuclear Chem., Faculty of Science Sana'a University.• 1988 - 1993 Professor of Inorganic and Nuclear Chemistry, Faculty of Education, King Abdel Aziz University. |
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AWARDS

- Alexander Petro Doprina Prize in chemistry (Cairo Univ. 1962)
- Four years scholarship award from the Egyptian Government to study for the Ph.D. at the Florida state University, U.S.A. (1965 — 1969).
- Ford Foundation Award, American University in Cairo (1973).
- Alexander Von Humboldt Fellowship Award Germany (1974- 1976), summer 1980, and summer 1990.
- Egypt National Chemist Award (1980)
- First Class Science and Arts decree from President Anwar El-Sadat(1980)
- Distinguished Leadership Award -1998- American Biographical Institute.
- The 2000 Millennium Medal of Honor — 1998 American Biographical institute
- Egyptian Biographical Directory —Most Notable Egyptian personalities, Ministry of Information (1992)

- 2180000 EP grant from the ministry of international cooperation to help in the establishment of a central research Laboratory at Helwan Univ.
- Helwan University Appreciation Award in Basic science (2011)
- Chosen by the Nobel Prize Committee to nominate for Nobel Prize in Chemistry (2012).

SCIENTIFIC ACTIVATES

Theses Supervision

Over fifty students have obtained their M.Sc. and Ph.D. Degrees in the area of Nuclear, Inorg, Env. Chem. and nanotechnology under my supervision.

Non Government Organization Memberships:

1. The National Authority of Technological and Economic Development
2. The Arab Society of Materials Science.
3. The Society of Lessen Al-Arab.
4. Friends of Environments and Development Association.
5. The Egyptian Society of Analytical Chemistry.

Activities as director the FLDP Centre at Helwan Univ.:

1 – I have obtained a TOT certificate as well as an international TOT Certificate from the National centre of the FLDP in The. Supreme Council. of the Egyptian Univ.

2 – I have directed more than 5000 training programs in the area of teaching, scientific research, management competencies.

3 – I have also trained faculty and staff members in :

a – Credit Hour system.

b – Writing Scientific Research Articles.

c – National and International competitive Research.

d – Strategic Planning.

e- Ethics of Scientific Research.

f- Ethics of Profession.

g-Academic Counsling to Faculty Members and
Academic Officilals related to Credit Hour System .

h-University Management

i-Conference organization

j-Time management

k-Examination Methods and Student Evaluation

4 – I have also trained Similar programs at Fayoum Univ.
The center is also leading programs related to the self development of the faculty and staff members of the Univ.

5 – I acted as a member of the National committee of the FLDP.

6 – I acted as a member of the Helwan University QAAP committee.

7 – I acted as a member of the Helwan University PMU unit.

HEEPF PROJECT

I am a member of the team that directed the project

B- 143 –KO [Development of Certified Chemistry Education at Helwan Univ. Integration of Theory, experiment and learning resources.

The project has accomplished the following:

- Development of the chemistry courses for B.Sc. level students starting from the first till fourth year. Double major degrees were as well as supplementary courses from other departments were also developed.
- Credit hour system was used in the development.
- Course specification was done.
- Training programs for faculty members as well as staff members in the chemistry dept. the faculty of science and other faculties teach chemistry in Helwan Univ.
- National and International assessment of the courses was done by prominent specialized professors in the different branches of chemistry.
- Two specialized student laboratories equipped with new instruments were established.

- Training programs for demonstrators, teaching assistants and laboratory technicians.
- The establishment of a simulation laboratory for some analytical experiments.
- The establishment of a library for students and faculty members.
- Class rooms with modern teaching facilities were also established.
- The establishment of a web site for the faculty of science.

OTHER ACTIVITIES

Co establisher of:

The Centre of Scientific Research at Sana'a Univ. (the First Ph.D. to be Awarded by Sana'a Univ. was under my supervision).

- The Nucl. Chem. Laboratory at Ain Shams Univ.

- The Faculty of Science at Helwan University.

- The Center of Scientific studies at Helwan University.

Centre of Services and Scientific studies:

I have acted as the director of the center of services and scientific studies since its establishment in the Faculty of Science, Helwan University in the period (1994-1996).

The Center has provided studies in the area of water pollution, liquid and solid waste treatments related to some of the factories that exist in the Helwan area. The sophisticated equipments in the center has been used by chemistry and physics graduate students as well as other departments in the University to conduct scientific research Electroplating and textile industries have benefited from the center.

Training programs held by the center and attended by graduate students as well as staff members from National Universities and Research Institutes are

- 1- Cement and materials industry, April 1995
- 2- Fine chemical analysis, August 1996
- 3- The treatment of drink water and paints, August 1996.
- 4- The technology of plastic, September 1996
- 5- Chemical analysis, October 1996

Consulting Services:

1- Being a member of the owners of TECHNO-MARK Consulting Group, It is a partnership company. I have participated in many consulting services such as:

Ferric chloride developing and extension project for Chemi Art Company in 6t of October City.

The company producing ferric chloride used in water treatment using old technology and old equipments.

The company could increase Its sales and technology if it developed Its facilities and used new technology.

The Scope of work included:

a) Market study for new area and to substitute other chemicals used in water treatment. The study proved that the company could sell 10 times of its current sales

b) Preparing a feasibility study depending on new technology.

c) Choosing the appropriate technology suitable to market size, needed quality, available raw materials, available area and selling price.

d) Negotiate with the foreign technology supplier and the project designer.

2- I have been assigned by the prime undersecretary of education, head technical education sector to evaluate the training centre in Shoubra where training programmers are held to promote the teaching staff at industry, agriculture and

commerce technical schools in Egypt. A complete evolution of the centre has been done and their need to provide high performance duties has also been studied and a report is raised to the responsible authorities for action to be taken.

I have also revised the school books of chemistry and physics books taught to industry and agricultural schools. Many additions and concretions are made. I have also been chosen by high authorities is the ministry of education to be a reviewer of books in energy and materials.

Activities as Vice Dean for Environmental Affairs:

a- Conferences attended by staff members in National Universities, National Research Centers as well as Industry to make a link between scientific research and users.

- Efforts of the Government to obtain pure drink water April 1999.

- Electronic microscope Oct. 1999.

- Society medicine Feb. 2000.

- Solar energy to treat liquid Industrial waste April 2000.

- Petroleum additives for a clean environment Nov. 2000.

b- Active contribution in the center of society development at Helwan University.

c- A very active contributor in students working and job Founding organization.

d- Training students in the program of Arab Student Union organization.

e- A very active contributor in student activities both at the Helwan University level and the National level.

f- A very active contributor in Science Club organization

both at the Helwan university level and the National level.

INTERNATIONAL SCIENTIFIC COOPERATION

- a- The Alexander Von Humboldt foundation has gifted the Atomic Energy Authority in Egypt by the name of Prof. Dr. A. T. Kandil a complete nuclear measurement laboratory and an advanced library with tens of scientific books in the area of nuclear and inorganic Chemistry . Prof. Dr. Haro Von Buttlar has visited Egypt and lectured at the Atomic energy the American University in Cairo.
- b- The cooperation with Prof. Dr .G.R Choppin of the Florida state University has promoted scientific cooperation between U.S and many Egyptian scholars. Many graduate students has visited and obtained graduate degrees at the Florida State University. Prof. Dr. G. R. Choppin has visited Egypt and lectured at many National Universities. Prof. Dr. G. R. Choppin was my Ph.D. supervising professor.

NUCLEAR TECHNOLOGY INSTITUTE

The protocol of a nuclear technology institute has been submitted to the faculty council on No.26.2007 and a council under my leadership is investigating the protocol.

EVALUATION OF SCIENTIFIC NEW BOOKS AND PROMOTION ACTIVITIES

I have evaluated many scientific projects for funding for the Ministry of Scientific Research. Most of these projects are related to new materials and environmental science. Also new books for various printing organization have been evaluated. I have also promoted staff members in National Universities, Research centers and Al-Azhar Univ. to the title of Professor and Associate Professor levels.

- A new graduate student course to the Egyptian Universities:

I introduced a new graduate chemistry course to the Egyptian Universities while teaching at Ain Shams University. This course in Chemical Application of Group Theory. This course is now taught at almost all Egyptian Universities and is considered to be the foundation of

inorganic Chemistry. I am proud that I have introduced and founded Group Theory in Egypt.

Published Books : I am the author of :

2001	دار الفكر العربى	1 – مبادئ الكيمياء النووية
2002	دار الفكر العربى	2 – النواة والانشطار النووى
2003	دار الفكر العربى	3 – الكيمياء التحليلية
2003	دار الفكر العربى	4 – اساسيات الكيمياء
2002	دار الفكر العربى	5 – كيمياء عناصر الوقود النووى
2010	وزارة التربية والتعليم	6 – فلزات ومعالجة حرارية

I am the author of the following books:

1-Basics of Nuclear Chemistry: In Arabic :I.S.B.N. 977-10-1425-8 Placement No.2001/4592

In its third edition ,this book has guided undergraduate and graduate students in Arab Universities to learn the basics of Nuclear Science. It contains eight chapters :The Kinetics Of radioactive decay, Nuclear masses and nuclear stability, the interaction of radiation with Matter, Radiation detectors, The structure of the nucleus, Neutron activation analysis, Neutron Sources and nuclear reactors, and Applications of radioisotopes in chemistry.

2-The Chemistry of Nuclear Fuel Elements: In Arabic
:I.S.B.N.977-10-1490-0,Placement 2001/

14539.In its Fourth edition ,This book has been a guide to researchers in actinide and Lanthanide chemistry, it has been used by graduate and undergraduate students in inorganic And separation chemistry.In its eleven chapters it treats:Nuclear Fission, the Actinide Elements, The Separation of the Actinides, the Chemistry of Thorium ,the Chemistry of Uranium, The Chemistry of the decay Products of Uranium and Thorium, the Chemistry of Neptunium, the Chemistry of plutonium,the Chemistry of the Trans-Plutonium elements, The Chemistry of Curium, the Chemistry of californium, the Chemistry of Einestonium, the Chemistry of Fermium,the Chemistry of Mendeleeviumn, the Chemistry of nobelium, The Chemistry of the Nuclear Fuel and the Chemistry of the lanthanide elements.

3-The Nucleus and Nuclear Fission: IN Arabic I.S.B.N.977-10-1803-5,Placement 2003

This book uses a simplified treatment of the nuclear phenomenon and the applications Of radioactivity in human life. High school students as well as university students have Used this book .In its ten chapters it treats: introduction, early knowledge about nuclear Structure, the nucleus, nuclear fission, nuclear reactors, operation and management of nuclear Reactors, natural radioactivity, artificial radioactivity, protection from radiation and Radioactivity for the good of

humanity.

4-Analytical Chemistry: In Arabic.I.S.B.N.977-10-1633-4,
Placement No.2002/5415

Methods in Analytical Chemistry are treated in this book,In its eleven chapters it contains:

Introduction, errors and data treatment, gravimetric analysis, volumetric analysis, chemical Equilibrium, acid base equilibrium, acid base equilibrium in complex systems, titrations in Complex systems, solubility equilibrium, oxidation reduction equilibrium and applications On oxidation reduction titrations.

5-Basics of Chemistry: In Arabic.I.S.B.N.977-10-1976-7,Placement No.2005/17494

Basics of Chemistry are the aim of this book which treats: introduction, gases, atomic theory, periodic table ,chemical bonding ,geometrical shapes of molecules, the liquid state, Solutions, chemical equilibrium, acids and bases, equilibrium in acids and bases, solubility And equilibrium of slightly soluble salts,and organic chemistry.

All the above books are published and distributed by darelfikrelarabi:

www.darelfekrelarabi.com

6-Metals and Heat Treatment: In Arabic: Published by the Ministry of Education.

I acted as the reviewer of this book which is studied by Third year industrial schools.

It was published 2011.

CONFERENCES AND PRESENTATIONS AT PROFESSIONAL SOCIETY MEETINGS

I have attended, organized, and chaired many scientific conferences both on the National and International level.

PATENT

I have submitted a patent " New Inorganic compounds to remove iron from Crude phosphoric Acid' the patent number in 2006110614

TEACHING

- Ain Shams University.
- Tanta University.
- The American University in Cairo.
- Zagazig University.
- El-Menya University.
- Alexandria University.
- Florida State University (U.S.A).
- Helwan University.
- Sana'a University (Yemen), and
- King Abdel Aziz University. (Saudi Arabia).

International publications

- 1- I.R. Spectra of lanthanide 8- hydroxyquinoline Complexes. H.F.Aly , F.Abdel kariem and A.T.Kandil. J. Inorg. Nucl. Chem. 33, 4340 (1971).
- 2- Angular distribution of fission fragments from ^{170}Yb compound nucleus excited to 107MeV. L.Kowalski, A. Zebelman, A.T. Kandil and J.M.Miller Phys.Rev. C3, 1370 (1971).
- 3- Charged Particle fission of ^{238}U . G.R. Choppin and A.T. Kandil J.Inorg. Nucl. Chem. 33,897 (1971).
- 4- The Nuclear Charge Distribution of the Charged Particle Fission of ^{238}U . G.R. Chopin and A.T. Kandil J.Inorg. Nucl. Chem.34, 439 (1972).
- 5- Extraction of some inorganic ions by N, N-dibuty 1 diethylcarbmy 1- Phosphonate. H.F.Aly, A.T.Kandil and M.Raieh Z.Anal. Chem.258, 28 (1972).
- 6- The Angular Momentum Dependence of the Fission Probability of ^{170}Yb Compound Nuclei at an Excitation energy of 107-MeV. A.M. Zebelman, K. Beg, Y. Eyal, G.Jaffe, D.Logan, J.Miller, A.T.Kandil.Inter.Conf.on the Chem. and Physics of Fission, Rochester, N.Y. (1973). IAEA / SM- 174/67.Phy.Rev.C3,1370 (1971).
- 7- Extraction of Nitric, Perchloric and Hydrochloric Acids by N,Ndibuty 1 diethylcarbamy 1 phosphonate. H.F. Aly, A.T.Kandil, M.Raieh and E.Hallaba. Z.Anorg. Chem. 397,314(1973).
- 8- Proton and Deuteron Fission of ^{238}U . A.T.Kandil and G.R. Choppin. Egypt J.of Chem., Special Issue-Tourky-PP. 1-7 (1973).`

- 9- Deuteron and Proton reactions on U at E lab 13-17 Mev 388.
A.T.Kandil,A.F.Zeller,and G.R.Choppin. Bull. Of the American
Phys.Soc.19,4,595 (1974)..
- 10- Fission Fragment Gamma Ray Anisotropy. A.T.Kandil, L-El-
Mekkawi and R.Holub. Nuci. Phys. A209, 107 (1974).
- 11- Fission and complete fusion Probability as a Function of Angular
Momentum for ^{170}Yb Compound Nucleus Excited to 107 Mev.
A.M.Zebelman, L.Kowalski, J.M.Miller, K.Beg, Y.Eyal, G.Jaffe,and
A.T.Kandil Phys. Rev. C10, 200(1974).
- 12- Temperature effects in the extraction of mixed complexes.
A.T.Kandil, H.F.Aly, M.Raieh and G.R.Choppin. J.Inorg, Nucl. Chem.
37,229 (1975).
- 13- The Kinetics of the extraction of Tm^{+3} by HDEHP and HDDNNS
A.T.Kandil and G.R. Choppin. J.Inorg. Nucl. Chem. 37, 1377 (1975).
- 14-Proton Induced Fission of ^{238}U .A.T.Kandil. J. Inorg. Nucl.
Chem.38, 37 (1976).
- 15- Deuteron Induced fission of ^{238}U .A.T.Kandil. J.Inorg. Nucl.
Chem. 38,975 (1976).
- 16- Mass and charge distribution of ^{238}U .R.Eaker, A.T.Kandil and G.R.
Choppin. 3. Inorg. Nucl. Chem. 38,975 (1976).
- 17- The synergistic solvent extraction of Zn^{2+} A.Kandil, N.Souka and
F.Abdel-Reheam. Radiochim Acta 24,147 (1977).
- 18- Properties of excited states in ^{102}Pd . J.Lange. A.T.Kandil,
J.Neuber, C.D.Ulhom, H.V.Buttler and A.Bockish. Nucl. Phys. A292,
301 (1977).

- 19- Solvent Extraction and I.R. Spectroscopy Investigation of some lanthanides by N-N-dibuty 1 diethylcarbamy 1 phosphonates. A.T.Kandil, M.Raie and H.F.Aly. J.Inorg. Nucl. Chem.40, 883 (1978).
- 20-Excitation functions of ^{238}U bombarded by protons and deuterons A.T.Kandil. Inorg. Nucl. Chem Lett. 14, 1 (1978).
- 21- Levels in ^{102}Pd populated by the $^{102}\text{Pd}(\text{P}, \text{p})$ reaction A.T.Kandil, J.Inorg. Nucl. Chem.40, 1853 (1978).
- 22-Temperature effects in the synergistic solvent extraction of Co^{2+} A.A1Atrash, A.T.kandil, E.Souaya and W.Geogry. J.Radioanal. Chem. 43, 73 (1978).
- 23- Salt effects in the synergistic solvent extraction of Co^{2+} . A.T.K andil and A.A1-Atrash. J.R adioanal. Chem. 46,165 (1978).
- 24- Ionic strength effects in the synergistic solvent extraction of Co^{2+} . A.T.Kandil and A.A1-Atrash. J.Radioanal. Chem. 46,173 (1978).
- 25- The separation of protactinium traces from Radioactive thorium A.T.Kandil and A.Ramadan. Radiochim. Acta 25,107 (1978).
- 26- Squarate complexes of some lanthanide ions in aqueous solution A.T.Kandil, N.Souka and K.Farah. J.Radioanal. Chem. 449, 13 (1979).
- 27- The separation of Thorium from Uranium and Lanthanide fission products. A.T.Kandil and A. Ramadan Radiochim. Acta 26, 63 (1979).
- 28- Inelastische streung, von $^{160,180}\text{Pd}$ and Mo Isotopen A.boekisch, G.Gonsior, J.Lange, A.T.Kandil, M.Roth, C.D.Ulihorn and H.R. wilde Bochum Universitat Jahres Bericht, 2, 24 (1976).
- 29- Untersuchung des ^{104}Pd -Termschemas mit einem anti-Compton and Paar spectrometer. K.Muller, D.Vermeulin, H.V.Buttlar, K.Farzin and A.T.Kandil Verh.DPG (VI) 11(1976).

30- Solvent effects in the formation of TOPO adducts of Eu^{+3} and Tb^{+3} Tris ITA Chelates. A.T.Kandil and K.Farah. *Radichim. Acta* 26,123 (1979).

31- Solvent effects in the synergistic solvent extraction of Co^{+2} A.T.Kandil and A.Ramadan. *J.R adioanal. Chem.*52, 15 (1979).

32- Excited states of ^{96}Ru and ^{98}Ru in the (P, P :') Reaction. J.Lange, J.Neuber, P. Tendler, C.D.Uhlhorn A.T.Kandil and H.V.Buttlar. *Nucl.Phys.A* 33 0, 29 (1979).

33- Temperature effects in the extraction of mixed complexes of protactinium with Thenoyltri-fluoroacetone and Various Organophosphorous compounds. A.T. Kandil, A.S. Abdel-Gawad and A.R amadan. *Radichim. Acta* 27, 39 (1980).

34- The solvent extraction of Terbium and Europium by di-(2-ethy - hexy) - phosphoric acid and various organophosphourous compounds. A.T.Kandil and K.Farah. *J.Inorg. Nucl. Chem.* 42,277 (1980).

35- The synergistic extraction of Co^{+2} A.T.K andil and A.Ramadan. *Radiochim. Acta* 27,229 (1980).

36- Thermodynamic Studies of TOPO adducts of Eu^{+3} and Tb^{+3} Tris TTACHelates. A.T. Kandil and K.Farah. *J.Inorg. Nuci. Chem.* 42,149 (1980).

37- Thermodynamic Studies of TOPO adducts of Thulium Tris-TTA Chelates in various solvents. A.T.Kandil and K.Farah. *Radiochim Acta* 28,165 (1981).

38- On the Thermodynamics of Formation of $\text{Tm}(\text{TTA})_3(\text{TOPO})_3$. A.T. Kandil and K.Farah. *Radiochim Acta* 29,149 (1981).

- 39- Solvent — H₂O Mutual solubility effects in the synergistic extraction of Ce⁺³. A.T.Kandil and K.Farah. Radiochim Acta 29,149 (1981).
- 40- The solvent extraction of Cu²⁺ by Benzeneazo-2-Naphthol. A.T. Kandil. S.M.El-Medani and A.M.El-Atrash. Solvent Extraction and Ion Exchange Vol3, No.4, 453 (1985).
- 41- Mixed complexes of thorium with thenoyltrifluoroacetone and some Organophosphorous Bases. A.T. Kandil and A.R amadan Radiochim. Acta (1986).
- 42- Mixed complexes of thorium with 8-quinolinol and Tri-n-Octylphosphine Oxide. A.T.Kandil and S.M.El-Medani. Radiochim. Acta 46,106 (1989).
- 43- Thermodynamics of the extraction of Co²⁺ by Thenoytrifluoroacetone and 8-hydroxyquinoline and phenanthroline. K.Farah and A.T.Kandil. J.Radioanal & Nucl. Chem. 152,2,46 1 (1991).
- 2-2-44- Dipyriddy and 1-10- phenanthroline in the synergic extraction of Eu³⁺. K.Farah and A.T.Kandil. J.Radioanal & Nucl. Chem 157, 1,177 (1992).
- 45- Thermodynamics of the extraction of Eu³⁺ with Thenoytrifluoroacetone, Triphenylarsine oxide and other phosphine oxides. K.Farah, S.El-Bayoumy and A.T.Kandil. J.Radioanal & Nucl. Chem. 157,1,87 (1992).
- 46- Mixed complexes in the system Eu³⁺ -8-Quinol phenanthroline. K.Farah and A.T.Kandil. Sep. Sci & Techn. 34,5 (1999).
- 47- The Synergic extraction of Co³⁺. A.T.Kandil and K.Farah. J.Radioanal. & Nucl. Chem. 157, 1, 169 (1992).

- 48- Synergistic effects of some pharmaceutical compounds on ^{60}Co complexes K.Farah, G.El-Shaboury and A.Kandil *Appi. Radiat. Isotopes* Vol.42, 11, 1087 (1991).
- 49- Co (II) exchange in Zeolite Na Y in the presence of oxydiacetate and surfactants. A Barakat, A.R.Ebaid, A.Arafat, A.T.Kandil, L.K.Maesen & H.Van Bekkum *Tenside Surf.Det.* 28,4,257 (1991).
- 50- Cation exchange in the system Ca II or Mg II+Complexing Agent Zeolite + A.R.Ebaid, A.K.Barakat, N.A. Kahalifa, A.T. Kandil Th.L.K.Measen and H.Van Bekcum.*Recl. Tray. Chim.Pays- Bas*, 374-377 (1991).
- 51- Squarate Complexes of Uranyl Ions in aqueous solutions. S.A.Sayed, A.T.Kandil And G.R. Choppin, *J.Radioanal. Nucl. Chem Lett.* 188 (5) 377 (1994)
- 52- Extraction of Uranium (VI) by HDEHP from Aqueous Diamine. Solution, S.A. Sayed and A. T. Kandil, *Radiochim. Acta* 73, 207 (1996)
- 53- The synergistic solvent extraction of Th (IV) from 4M $\text{Ca}(\text{NO}_3)_2$ solution. A. T. Kandil, S. A. Sayed and S. S. Abdel Fatah, *Sep. Sci. & Tech.* Under Publ.
- 54- Lanthanides extraction by quinolinol and by a mixture of quinolinol and Trioctylphosphine Oxide. A. T. Kandil, and S.M. El-Medani., *Sep. Sci. & tech.* 33 (3), 437 (1998).
- 55- Effect of some surface active substances on the spectrophotometric determination of Th (IV) using some Coumarin Azo Dyes. A.L. Al-Ansary, Y.M. Issa, A.T. Kandil and M.H. Soliman *Asian J. Chem.* 10, 1, 86 (1998).
- 56- Instrumental Neutron Activation Analysis of Water Hyacinth as a Bio-indicator Along Nile River — Egypt. Ashraf Aly, S. Shawky. H.A. Amer, A.T. Kandil. *J. radioanal. Nucl.,Chem.* 279,2,611 (2009).

- 57- Effect of Synthesis Conditions on the Preparation of Barium Titanate nano powders via oxalate precursor method. I.A. Ibrahim, M.M. Rashad, R.S. Mohammed and A.T. Kandil EURASIAN Chem. Tech. Journal. 9,113,(2007).
- 58- Synthesis and Characterization of Lead Titanate Nano Powers by organic acid precursor. M.M. Rashad, R.S. Mohammed, M.M. Hessien, I.A. Ibrahim and A.T. Kandil. The 10 th IUMRS Int.conf. on advanced materials 8- 13/10/2007,Bangalore,Ind.,Journalof Optoelectronics and advanced materials vol.10, No.5, 1026(2008).
- 59- Removal of Co(11) from Nitric Acid Medium using Egy-Sorb 1 with Cyanex 301/ kerosene solution. W.M. Abdel Raouf, M.Ghoniem, A.T.kandil (2005) Waste Management symposium, session 19 b- innovative treatment Technologies , Tucson, Arizona.
- 60- Enhancing Filtration rate of new valley Phosphate by blending with other Phosphates. E.A.Abdel-Aal, W.O. Shaaban and A. T. kandil, the 21st AFA International Filtration Technical conf. Jeddah, k.S.A Nov., 10-12 (2008).
- 61- Cationic Flotation of Iron Ore Using Different Type of Starch. K.E. Yassin, K.A. Selim, N.A.Abdel-Khalek and A.T.Kandel. The Journal of Ore Dressing Vol.13,Issue 25,2011.
- 62- A Study of Oil Recovery from Petroleum Sludge by Solvent extraction using oil cuts. A.Y.El Naggari, E.A.Saad,A.T.kandil, H.O.Elmoher. The International Conference in Petroleum, Mineral Wealth and Development, Cairo, Egypt 7-9 February 2009, P.124.,and J. of Petroleum Technology and Alternative Fuel .vol 1(1)p.10-19,2010.
- 63- Role of Starches in Reverse Flotation of Iron Ores, N.Abdel-Khalek,K.E.Yassin,K.A. Selim and A.T.Kandil. Mineral Processing and Extractive Metallurgy,Vol 12,No 2,98,,2012.

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