



PRF. DR/ MONA MAHMOUD ABD EL- LATIF MAHMOUD
PROFESSOR AND ACTING DEAN OF ADVANCED TECHNOLOGY
AND NEW MATERIALS RESEARCH INSTITUTE, CITY OF
SCIENTIFIC RESEARCH AND TECHNOLOGICAL APPLICATIONS

PERSONAL INFORMATION	<p>Full Name: Mona Mahmoud Abd El- Latif Mahmoud</p> <p>Affiliations: Advanced Technology and New Materials Research Institute, City of scientific Research and Technological Applications.</p> <p>Address: Universities and Research center District, New Borg El-Arab, Egypt.</p> <p>Mobile No.: 0201005241437</p> <p>E-mail: amona1911@ yahoo.com mabdellatif@srtacity.sci.eg</p> <p>Important links:</p>
EDUCATION	<p>Ph.D. in Chemical Engineering, Jul.2000, Chemical Engineering department, Faculty of Engineering, Alexandria University, Egypt.</p> <p>Title: Extraction of Potassium ions from salt solutions by ion exchange resins.</p> <p>M.Sc. in Chemical Engineering, Sep.1994, Chemical Engineering department, Faculty of Engineering, Alexandria University, Egypt.</p> <p>Title: Effect of additives on the sedimentation rate of magnesium hydroxide.</p> <p>B.Sc. in Chemical Engineering, June 1990 (Very good with honor degree)</p> <p>Chemical Engineering department, Faculty of Engineering, Alexandria University, Egypt.</p> <p>Alexandria Secondary School-Alexandria Maria Ausiliatrice School-Alexandria</p>
ACTIVITIES	<p>Scientific Activities</p> <p>Conferences:</p> <p>1-1st International Conference on Green & Advanced Engineering Technology,</p>

- National Research Centre, Dokki, 12622 Cairo, Egypt, January 3-6 2004.
- 2-15th International Conference on Composites Engineering (ICCE-15), Hainan island, China, July 15-21, 2007.
- 3- The 2nd International Conference of Chemical Industries Research Division, National Research Centre, Dokki, 12622 Cairo, Egypt, December 16-18, 2008
- 4- the 3rd Arab international conference in physics and materials science (CPMS), Bibliotheca Alexandrina, Alexandria, Egypt, October 20-22, 2009.
- 5- Materials Science & Technology 2009 Conference, Symposium: Microwave Processing of Ceramics. Pittsburgh, Pennsylvania October 25-29, 2009.
- 6- 2nd International Conference on Advanced Materials and their Applications and its workshop on “New Trends in Nano-science and laser Physics”, National research center, Cairo, Egypt, April 6-8, 2010.

Training and workshops:

- 1-General requirement for the completeness of testing and calibration laboratories (ISO/IEC 17025), 10-15 March 2000, Egyptian Ministry of Industry collaboration with South Africa, Cairo, Egypt.
- 2-Use of paints and corrosion inhibitors in industries 30 March-2 April 2003, Institute of graduate studies and research, department of materials science corrosion laboratory, Alexandria, Egypt
- 3-General Requirement of Quality General System For Calibrating and Testing Laboratories according to Specification ISO/ IEC 17025, 3-27 September 2005, Mubarak City for scientific Research and Technology Applications, Alexandria, Egypt.
- 4- Internal audits for Quality General System For Calibrating and Testing Laboratories according to Specification ISO/ IEC 17025:2005, 10-13 September 2007, Mubarak City for scientific Research and Technology Applications, Alexandria, Egypt.
- 5- E-Just workshop at Alexandria Bibliotheca November 25-27 2008, Alexandria, Egypt.
- 6-Training Course of How to Lead SciencePark 15-16 February, 2009, Mubarak City for scientific Research and Technology Applications, Alexandria, Egypt

7- Course on Korea's Science & technology park training Program 13-24 April, 2009, Daedeok Innopolis, Republic of Korea.

8-Workshop on The Elemental Analysis using the ICP Instrument and its Applications, 26-27 May 2009, Mubarak City for scientific Research and Technology Applications, Alexandria, Egypt.

9- Middle East - Microwave Assist Technology (MAT) in Materials Processing Workshop 21-22 October 2009, Mubarak City for scientific Research and Technology Applications, Alexandria, Egypt.

10- Workshop on the quality and environmental Management, 4-5 August 2010, Mubarak City for scientific Research and Technology Applications, Alexandria, Egypt.

11-Course on Korea's Science & technology park training Program 11-13 April, 2014, Daedeok Innopolis, Republic of Korea.

12-Attend the workshop "research ethics: basic principles", held in the city of scientific research and technological applications in 29 March 2016.

13Attend and pass training on your "Vibrating Sample Magnetometer" held in the city of scientific research and technological applications from 9-13 October 2016.

14-Attend and pass a training on your "Vibrating Sample Magnetometer" held at Lake Shore Cryotronics, Westerville, Ohio, USA in Ohio, United States of America from 2-9 April 2017.

Conferences, seminars, workshops and training courses that contributed to participate in its preparation and organization.

1. Participation and chairing one of the sessions "scientific New trends and materials for water purification" for the 16th Arab International Conference on materials science, materials and society, held in Alexandria from 3-5 December 2016.

2. Participation and chairing one of the sessions of the first workshop of the Research Institute of environment and natural resources ' environmental challenges and solutions' held in Bibliotheca Alexandrina in 5 April 2016.

3. Participation and chairing one of the sessions "scientific water quality and testing" for the 15th Arab International Conference on materials science,

materials and applications of water "held in Alexandria from 2-4 December 2014.

4. Participation and chairing one of the sessions "nanomaterials for biomedical applications" of 14 Arab International Conference on material science held in Alexandria in 1-3 December 2013.

5. Participation in the preparation and organization of the second Conference of the outputs of scientific research and applications held in petroleum Research Center, Cairo, Egypt in may 2013.

6. Participation in the preparation and organization of the fourth international Arab Conference of physics and material science held in Bibliotheca Alexandrina-Alexandria – Egypt from 1-3 October 2012.

7. Participation in the preparation and organization of the first Conference of the outputs of scientific research and applications held in national research center, Cairo, Egypt on 24 February 2012.

8. Participate in the preparation and organization of a joint seminar city of scientific research and technological applications and between Japanese and Egyptian University in the city of scientific research and technological applications, Alexandria, Egypt in March 14, 2012.

9. Participation in the preparation and organization of a workshop entitled "using microwave technique in the manufacture of" held in Mubarak city for scientific research and technological applications – Alexandria, Egypt in the period 21-22 June 2009.

10. Participation in the preparation and organization of a workshop entitled "chemical analysis of items using the double induction plasma device and its applications" held in Mubarak city for scientific research and technological applications – Alexandria – Egypt from 26-27 May 2009.

11. Participation in the preparation and organization of a workshop entitled "modern applications on electronic microscope" and held in Mubarak city for scientific research and technological applications – Alexandria – Egypt from 4-6 September 2007

Reviewer for scientific Journals:

1. Desalination
2. Ionics
3. *bioresources*
4. Industrial & Engineering Chemistry Research
5. Journal of Environmental Chemistry and Ecotoxicology (JECE)

6. Materials Chemistry and Physics
7. Nuclear Engineering and Design
8. Chemistry and Ecology
9. Journal of Environmental Management
10. *Scientific Research and Essays*
11. CLEAN - Soil, Air, Water

Reviewer for scientific projects

Reviewer for 6 projects to Tanta University

Reviewer for scientific awards

- A. Reviewer for State Award for excellence in science 2017 by the Academy of scientific research and technology
- B. Reviewer for awards University of Damietta 2015/2016.
- C. Member of the selection Committee and arrange research projects funded by the Academy of scientific research and technology for master's and doctoral scholarships for graduate students with the city by Decree number 23 is dated 3/2/2013.

Reviewer for permanent Scientific Committee

Reviewer for permanent Scientific Committee for upgrades Research members in materials science and technology.

Examiner for many MSC and PhD Theses

Supervisor for many MSC and PhD Theses

Supervisor for more than 30 theses

Patents:

Preparation of nano zirconium vanadate and its application as ion exchanger, Mona Mahmoud Abd El-Latif, Hassan A.A. Farag, Ahmed Amin Zatot and Marwa Farouk El-Kady Patent No. 24636, The Academy of Scientific Research and Technology, 18/03/2010.

Books:

1- Marwa Elkady, Mona Abd El Latif, Nano-zirconium vanadate and its application as ion exchanger, LabMert Academic Publishing, Accepted 2012.

2- Hesham Ali Fahmy Abdalla Hamad, Mona Mahmoud Abd El-latif, Abdelhady

Bashir Kashyout , Photocatalysis by Titania Nanocomposites, LAP LAMBERT Academic Publishing, LAP LAMBERT Academic Publishing , ISBN : 978-3-659-54484-2 , Published at 3-6-2014, pages: 332, 2014.

Projects

1-Participation in the project, “Quantum Dot Nanomaterials Dye Sensitized Solar Cells”, Funded by: The STDF, Starting Date: June, 2010-2015.

2- PI of the Project, “Construction of Magnetic Materials Laboratory (MML)”, Funded by: The STDF, Starting Date: March 2015- till now.

3- Co-PI the Project, “Nanocomposites of hydroxyapatite with natural product and their interaction with bone cells” Funded by: The STDF, Starting Date: February 2015 –till now.

Administrative Activities

January 2020- Now Acting Dean of Advanced Technology and New Materials Research Institute.

April 2018-January 2020: Vice Dean of Advanced Technology and New Materials Research Institute.

June 2014-April 2018: Head of Fabrication Technology Department

May 2011-May 2014: Dean of Advanced Technology and New Materials Research Institute

May 2006-May 2011: Head of Fabrication Technology Department.

June 2007- May 2011: vice dean of Advanced Technology and New Materials Research Institute.

May 2006-May 2007: Director of Central lab of Material analysis and characterization.

2002- December 2005: Supervisor of advanced Technology and New Materials Research institute.

	<p>Extra-curriculum Activities</p> <p>1- Participation in the committee for developing and managing research projects in the city since 7/2019.</p> <p>2-Head of the research team for a project that aims to construct and operate a wastewater reuse plant in the city since 3/10/2019.</p> <p>3-Member of the Water Sciences Council, one of the specific councils of the Academy of Scientific Research and Technology from 9/3/2013 to 9/2015.</p> <p>4-Member of the Executive Committee to follow up the executive work of the Institute for Environment and Natural Resources Research since 31/12/2014.</p> <p>5-Participate in establishment of Construction of Magnetic Materials Laboratory (MML).</p> <p>6-Participation in many committees in the city including construction committee as well as participation in many tenders' committee.</p> <p>7-Participate in establishment, furnishing and instrument installation advanced Technology and New Materials Research Institute, City of Scientific Research and Technological applications, before the opening ceremony of the institute.</p>
<p>GRANTS & AWARDS</p>	<p>List your Grants here... (start with the most recent) (Grant's Name – Date – Location)</p> <hr/> <p>Awards List your Awards here... (start with the most recent) (Award's Name – Date – Location)</p>
<p>LIST OF PUBLICATIONS</p>	<p>Journals Publications:</p> <p>1. Ahmed Omer, ,Abed elazim Eltawiel, Eman Abdel Moneam, Randa Goniem, ,Gehan elsabaroty, <u>Mona Abd El-Latif</u>, "Efficient removal of toxic methylene blue (MB) dye from aqueous solution using a metal-organic framework (MOF) MIL-101(Fe): Isotherms, kinetics and thermodynamic studies", <i>Desalination and</i></p>

Water Treatment, Accepted on 22 January 2020.

2. Doaa Bassyouni, Marwa Mohamed, El-Sayed El-Ashtoukhy, **Mona Abd El-Latif**, Ahmed Zaatout, Hesham Hamad, Fabrication and characterization of electrospun Fe₃O₄/o-MWCNTs/polyamide 6 hybrid nanofibrous membrane composite as an efficient and recoverable adsorbent for removal of Pb (II), **Microchemical Journal**, <https://doi.org/10.1016/j.microc.2019.103998>, Vol.149 2019.

3. Hesham Hamad, Amal Ibrahim, **Mona Abd El-latif**, Changes in Fe²⁺/Fe³⁺ molar ratio for the formation of spinel CoFe₂O₄ layered double hydroxide nanoparticles, *Micro & Nano Letters*, 14(9), 937-940, 2019.

4. Amal M. Ibrahim, Hind A. A. Alzahrani, **Mona Mahmoud Abd El-Latif** and Mohamed Mohamed Selim, Influence of different stabilizers on the morphology of gold nanoparticles, *Bulletin of the National Research Centre*, Vol.43:33-37, 2019

5. Hesham Hamad, Doaa Bassyouni, El-Sayed El-Ashtoukhy, Nevin Amin and **Mona Abd El-Latif**, Electrocatalytic degradation and minimization of specific energy consumption of the synthetic azo dye from wastewater by anodic oxidation process with an emphasis on enhancing economic efficiency and reaction mechanism, *Ecotoxocology and Environmental Safety(I.F.:)*, Vol.148: 501-512, 2018.

6. Eman M. El-Sayed, Marwa F. ElKadi, **Mona M. Abd El-Latif**, Biosynthesis and characterization of zero valent Iron nanoparticles and its application in azo dye degradation, *Indian Journal of Chemical Technology*, Vol. 24, 541-547,2017.

7. Eman H. El-Gamal, Maher Saleh, Ibrahim Elsokkary, Mohamed Rashad, **Mona M. Abd El-Latif**, Comparison between properties of biochar produced by traditional and controlled pyrolysis, *Alexandria Science Exchange Journal*, Vol. 38, No.3, 412 -425, 2017.

8. Hesham Hamad, Doaa Bassyouni, El-Sayed El-Ashtoukhy, Nevin Amin and **Mona Abd El-Latif**, New insights into the anodic oxidation and electrocoagulation using a self- gas stirred reactor: A comparative study for synthetic C.I Reactive Violet 2 wastewater, *Journal of Cleaner Production(I.F.:)*Vol. 167, 432-446, 2017.

9. D.G.Bassyounia, H.A.Hamada, E-S.Z.El-Ashtoukhy, N.K.Amin and **M.M. Abd El-Latif**, Comparative performance of anodic oxidation and electrocoagulation as

clean processes for electrocatalytic degradation of diazo dye Acid Brown 14 in aqueous medium, *Journal of Hazardous Materials (I.F.: 4.836)*, Vol. 335: 178-187, 2017.

10. Eman Radi Sadik, Taghreed Zewail, Abd El-Aziz Konsowa, **Mona Abd El-Latif**, Gomma Sedahmed, Effect of Surface Active Pollutants on the Rate of Mass Transfer Controlled Corrosion of Reactors Used in Wastewater Treatment, *American Journal of Chemical Engineering*; 4(5): 92-97 , 2016

11. Amal M. Ibrahim, **Mona M. Abd ElLatif** and Mohamed M. selim, Effect of Polyethyleneimine Stabilizer on Size and Morphology of Gold Nanoparticles, *Asian Journal of Applied Sciences (I.F.:6.315)*, Vol.9: 178-184, 2016.

12. Mohamed E. Mahmoud, Nesma A. Fekry , **Mona M.A. El-Latif**, Nanocomposites of nanosilica-immobilized-nanopolyaniline and crosslinked nanopolyaniline for removal of heavy metals, *Chemical Engineering Journal (I.F.:5.31)*, Vol. 304:679-691, 2016.

13. H.A. Hamad, W.A. Sadik, **M.M. Abd El-latif**, A.B. Kashyout, M.Y. Feteha, Photocatalytic parameters and kinetic study for degradation of dichlorophenol-indophenol (DCPIP) dye using highly active mesoporous TiO₂ nanoparticles, *Journal of Environmental Sciences*, Vol. 43, 26–39, 2016.

14. Amal M. Ibrahim, **M.M. Abd El-Latif** and Mariam Sh.Gohr , Water / Alcohol Mediated Preparation of ZnO Hollow Sphere, *Egypt. J. Chem.* Vol.58, No. 4, pp. 475- 484, 2015.

15. Rehab M. Ali, **Mona M. Abd El Latif**, Hassan A. Farag, Preparation and characterization of CaSO₄–SiO₂–CaO/SO₄²⁻ composite for biodiesel production, *American Journal of Applied Chemistry*, Vol. 3, No.(3-1): 38-45, February 2015.

16. H. A. Hamad, **M. M. Abd El-Latif**, A.B. Kashyout, W.A. Sadik, and M. Y. Feteha, Optimizing the preparation parameters of mesoporous nanocrystalline titania and its photocatalytic activity in water: Physical properties and growth mechanisms, *Process Safety and Environmental Protection*, Vol. 98, 390–398, 2015.

17. H. A. Hamad, **M. M. Abd El-Latif**, A.B. Kashyout, W.A. Sadik, and M. Y. Feteha, Synthesis and characterization of core/shell/ shell magnetic(CoFe₂O₄/SiO₂/TiO₂) nanocomposite and TiO₂ nanoparticle for

photocatalytic activity under UV and visible irradiation, *New Journal of Chemistry* (Impact factor : 3.159), Vol. 39, 3116—3128, 2015.

18. H. A. Hamad, **M. M. Abd El-Latif**, A.B. Kashyout, W.A. Sadik, and M. Y. Feteha, Influence of calcination temperature on the physical properties of nano-Titania by Sol-gel / Hydrothermal method, *Russian Journal of Physical Chemistry: A*, Vol. 89, No. 10, pp. 1896–1906, 2015.

19. H. A. Hamad, **M. M. Abd El-Latif**, A.B. Kashyout, W.A. Sadik, and M. Y. Feteha, Study on synthesis of superparamagnetic spinel cobalt ferrite nanoparticles as layered double hydroxides by co-precipitation method, *Russian Journal of General Chemistry*, Vol. 84, No. 10, 2031–2036, 2014.

20. MOHAMED, M.A.A., EL-MAGHRABY, A., ABD EL-LATIF, M., FARAG, H., AND KALAITZIDOU, K., NANOCRYSTALLINE FE-NI ALLOY/POLYAMIDE 6 COMPOSITES OF HIGH MECHANICAL PERFORMANCE MADE BY ULTRASOUND-ASSISTED MASTER BATCH TECHNIQUE, POLYMER COMPOSITES, VOL.35, NO.(12), 2343-2352, 2014.

21. M.A. MOHAMED, A.H. EL-MAGHRABY, **M.M. ABD EL-LATIF** AND H.A. FARAG, “OPTIMUM SYNTHESIS CONDITIONS OF NANOMETRIC FE₅₀NI₅₀ ALLOY FORMED BY CHEMICAL REDUCTION IN AQUEOUS SOLUTION”, *BULLETIN OF MATERIALS SCIENCE*, VOL. 36, NO. 5, PP. 845–852, OCTOBER 2013.

22. **M.M. Abd El-Latif**, M. S. Showman, Amal M. Ibrahim, M.M. Soliman, “Optimizing the Preparation Parameters of Nanocrystalline Zirconia for Catalytic Applications”, *Acta Metallurgica Sinica (English Letters)*, Vol. 26, No. (5): 565-573, 2013.

23. **M.M. Abd El-Latif**, Amal M. Ibrahim, M. S. Showman, R. R. Abdel Hamide, Alumina/ Iron oxide nano composite for cadmium ions removal from aqueous solutions, *International Journal of Nonferrous Metallurgy*, Vol. 2, No. 2, PP. 47-62, 2013.

24. M.A. Mohamed, A.H. El-Maghraby, **M.M. Abd El-Latif**, H.A Farag, Kyriaki Kalaitzidou “Fe-Ni alloy/Polyamide 6 Nanocomposites: Effect of nanocrystalline metal particles on the mechanical and physical properties of the polymer”, *Journal of Polymer Research*, Vol. 20, No.6 May 2013.

25. Adel A.-H. Abdel-Rahmana, **Mona M. Abd El-Latif**, Farag A. El-Essawya, Yousif A. Barakat, Synthesis and Antiviral Activity of 3-Aminoindole Nucleosides

of 2-Acetamido-2-deoxy-D-glucose, Bull. Korean Chem. Soc. Vol. 33, No. 10, PP. 3417-3422, 2012.

26. M.F. Elkady, Amal M. Ibrahim, **M. M. Abd El-Latif**, Assessment of the adsorption kinetics, equilibrium and thermodynamic for the potential removal of reactive red dye using eggshell biocomposite beads, Desalination, Vol.278, PP. 412–423, 2011.

26. **M. M. Abd El-Latif**, M.F. Elkady, Synthesis, characterization and evaluation of nano zirconium vanadate ion exchanger by using three different preparation techniques, Materials Research Bulletin, Vol. 46, pp. 105-118, January 2011.

28. **M.M. Abd El-Latif**, M.F. Elkady, Kinetics study and thermodynamic behavior for removing cesium, cobalt and nickel ions from aqueous solution using nano-zirconium vanadate ion exchanger, Desalination, Vol.271 PP. 41–54, April 2011.

29. Amal Ibrahim, Morsi M. Mahmoud, **Mona Abd El-Latif**, Microwave Synthesis of Cobalt-Ferrite Nano-Particles by Polyol Method, Ceramic Transactions, vol. 220, pp. 19-26 "Processing and Properties of Advanced Ceramics and Composites II", N. P. Bansal, J. P. Singh, J. Lamon, S. R. Choi, and M. M. Mahmoud, eds., Proceeding of Materials Science and Technology Conference (MS&T09), American ceramic Society, September 2010.

30. **M.M. Abd El-Latif** and Amal. M. Ibrahim, Removal of reactive dye from aqueous solutions by adsorption onto activated carbons prepared from oak sawdust, Desalination and Water Treatment, Vol.20, P.102-113, August 2010.

31. Amal M. Ibrahim, **M.M. Abd El-Latif**, and Morsi M. Mahmoud, Synthesis and Characterization of nano-sized Cobalt Ferrite Prepared via Polyol method using Conventional and microwave heating techniques, Journal of Alloys and Compounds, Vol.205, P. 201-204, 2010.

32. **M. M. Abd El-Latif**, Amal.M.Ibrahim and M.F. El-Kady, A novel biopolymer Oak Sawdust Calcium Alginate composite for the removal of basic dye from aqueous solutions: Equilibrium, kinetic and thermodynamic modeling studies, Journal of American Science, Vol.6, No. 6, p. 267-283, 2010.

33. **M.M. Abd El-Latif**, M.F. El-Kady, Amal M. Ibrahim and Mona.E.Ossman, Alginate/ polyvinyl alcohol - kaolin composite for removal of methylene blue from aqueous solution in a batch stirred tank reactor, Journal of American Science, Vol.6 No. 5, p. 280-292,2010.

34. Sh. M. Ebrahim, **M.M. Abd El-Latif**, A. M. Gad, M. M. Soliman, Cyclic voltammetry and impedance studies of electrodeposited polypyrrole nanoparticles doped with 2-acrylamido-2-methyl-1-propanesulfonic acid sodium salt, Thin Solid Films, Vol. 518,p. 4100–4105, May 2010
35. **M.M. Abd El-Latif** and M.F. El-Kady, Equilibrium isotherms for harmful ions sorption using nano zirconium vanadate ion exchanger, Desalination, Vol. 255, P. 21–43, May 2010.
36. R. R. Zahran, **M. M. Abd El-Latif**, A. H. Konsowa, M. Awwad, Development of Isotropic Compatible HDPE/PP Blends for Structural Applications, Journal of Applied Polymer Science, Vol. 115,P. 1407–1418, February 2010.
37. Amal M. Ibrahim , **M. M. Abd El-Latif**, H.H. Behery and M.M.Selim, Inspired Formation of Silica Nanostructure, Alexandria engineering journal, Vol. 48, No. 5, ISSN: 1110-0168, P.627-634, September2009.
38. **M.M. Abd El-Latif** and Amal. M. Ibrahim, Adsorption, kinetic and equilibrium studies on removal of basic dye from aqueous solutions using hydrolyzed oak sawdust, Desalination and Water Treatment, vol. 6, P.252-268, June 2009.
39. Amal M. Ibrahim, **M. M. Abd El-Latif**, H.H. Behery and M.M.Selim, Influence of Si- substitution on the conversion of Hydroxyapatite Nano-particles into β Tricalcium phosphate. Alexandria engineering journal, Vol. 48, No. 2, ISSN: 1110-0168, P.225-231 March 2009.
40. Shaker Mabrouk Ebrahim, Moataz Mohamed Soliman and **Mona M . Abd El Latif**, Blend of Nylon 6 and Polyaniline Doped with Sulfanilic Acid and its Schottky Diode, High Performance Polymers. Vol. 22, No. 3, P. 377-391, May 2010.
41. **M.M. Abd El-Latif**, Amal. M. Ibrahim and M.F. El-Kady, Kinetic and Thermodynamic Approach of Organic Dye Adsorption on Biopolymer- Kaolin composite, Alexandria Engineering Journal. Vol. 48, No. 1, ISSN: 1110-0168, P.137-149, January 2009.
42. M. Awwad, A.H. Konsowa, **M. M. Abd El-Latif** and R.R. Zahran, Simulation of the Phase Crystallinity-Blend Composition Relationship for Isotropic Compatible HDPE/PP Blends, World Journal of engineering, Vol.5. Supplement, P.1144-1145, 2008.
43. **M.M. Abd El-Latif** and M.F. El-Kady, Developing & Characterization of a

New Zirconium Vanadate Ion Exchanger and Its Novel Organic- Inorganic Hybrid, Journal of Applied Sciences Research, Vol. 4, No. 1, P. 1-13, January 2008.

44. **M. Abd El Latif**, M.S. Mohy Eldin, Mohamed Rashad. Kinetic study of copper and cadmium Removal by soil-calcium alginate composite, Alexandria Engineering Journal, Vol. 45, No. 1, P.119-129, ISSN: 1110-0168, January 2006.

45. A. A. Amara, **M. Abd El Latif**, M. Younis and M. Shabeb, Strategy for economic production of PHAs (Polyhydroxyalkanoates) by bacterial isolates as a biotechnological model in Arabic countries, Egypt. J. of Appl. Sci., Vol. 20, No. 11B, November 2005.

46. **M. Abd El Latif**, Removal of cupric ions from aqueous solution using Amberlite IR 120 Na cation exchange resin in a batch stirred tank reactor, Alexandria Engineering Journal, Vol. 44, No. 6, P.927-937, ISSN: 1110-0168, November 2005.

47. Mohamed Rashad, M.S. Mohy Eldin, **M. Abd El Latif**. Thermodynamic Approach for Copper and Cadmium specific and non-specific Adsorption on Calcareous Soil-biopolymer Composite, Alexandria Engineering Journal, Vol. 44, No. 3, P. 469-476, ISSN: 1110-0168, May 2005.

48. M.S. Mohy Eldin, **M. Abd El Latif**, M.F. El.Kady. Preparation of nonionic polyacrylamide flocculant and its application in removal of clay suspension from industrial wastewater, Alexandria Engineering Journal, Vol. 44, No. 3, P. 463-468, ISSN: 1110-0168, May 2005.

49. **M. Abd El Latif**, M.S. Mohy Eldin , M.F. El Kady. Settling of high concentrations of clay suspended in water by nonionic polyacrylamide flocculants, Alexandria Engineering Journal, Vol. 44, No. 2, P. 291-304, ISSN: 1110-0168, March 2005.

50. **M. Abd El Latif**. Effect of cations traces on the flocculation process of low clay concentrations using nonionic polyacrylamide flocculants, Alexandria Engineering Journal, Vol. 44, No. 1, P.111-117, ISSN: 1110-0168, January 2005.

51. **M. Abd El Latif**, M.S. Mohy Eldin , M.F. El Kady .Optimization of flocculation conditions of low concentrated clay suspensions using prepared and commercial nonionic flocculants, Alexandria Engineering Journal, Vol. 44, No. 1, P. 101-110, ISSN: 1110-0168, January 2005.

52. **M. Abd El Latif**, C. K. Fanous. Adsorption and Equilibrium Isotherms of

Copper or Nickel Ions Using Alumina, Alexandria Engineering Journal, Vol. 43, No. 2, P. 261-268, ISSN: 1110-0168, March 2004.

53. El-ibiari N., El-Diwani G., **Abdel-latif M.M.**, Effect of additive on the sedimentation rate of magnesium hydroxide precipitated from synthetic magnesium chloride, Scientific Journal of faculty of Science Menofia University vol. IX 1995.

<http://eu.wiley.com/WileyCDA/WileyTitle/productCd-0470927151.html>

CONFERENCES PUBLICATIONS:

1. M. Mohamed, A. El-Maghraby, **M. Abd El-Latif**, H. Farag and K. Kalaitzidou, "Surface Modified Fe-Ni nanoparticles-Filled Polyamide 6 composites Prepared by Ultrasound-Assisted Solution Mixing Process", Presented as a poster at Materials Research Society (2011 MRS Fall meeting and Exhibit), Boston, Massachusetts, USA, Nov. 28- Dec. 2, 2011.

2. M. Mohamed, A. Patsidis, **M. Abd El-Latif**, A. El-Maghraby, H. Farag and K. Kalaitzidou, "fabrication and thermo-mechanical characterization of Fe-Ni nanoparticles /nylon 6 composites", Presented at Annual Technical Conference (ANTEC® 2011), Boston, Massachusetts, USA, May 1-5, 2011.

3. **M.M. Abd El-Latif**, Amal M. Ibrahim, M. S. Showman, R. R. Abdel Hamide, Magnetic Alumina Nano Composite for Cadmium Ions Removal From Aqueous Solutions, ADST 5th International Conference 2010 Desalination Technologies & Water Reuse, Alexandria, December 28-29th 2010.

4. **M.M. Abd El-Latif** and Amal M. Ibrahim, Manipulation of biologically active nano-silica in the formation of nano- calcium phosphate ceramics, presented at The 2nd International Conference on Advanced Materials and their Applications and its workshop on "New Trends in Nano-science and laser Physics", National research center, cairo, Egypt, April 6-8,2010.

5. Abd-El-Rahman Hamed, **Mona Abd El-Latif**, Morsi Mahmoud, Preparation of Hydroxyapatite by Microwave Heating, presented at Meeting: Materials Science & Technology 2009 Conference, Symposium: Microwave Processing of Ceramics. Pittsburgh, Pennsylvania October 25-29, 2009.

6. Amal Ibrahim, Morsi Mahmoud, **Mona Abd El-Latif** ,Microwave Synthesis of Cobalt-Ferrite Nano-Particles by Polyol Method, presented at Meeting: Materials

Science & Technology 2009 Conference, Symposium: Microwave Processing of Ceramics. Pittsburgh, Pennsylvania October 25-29, 2009.

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