

CURRICULUM VITAE



Name Ebrahiem Esmail Ebrahiem
Date of Birth 23 June 1959
Nationality Egyptian
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Business Address Department of Chemical Engineering,
El-Minia University, Faculty of Engineering, El-Minia, Egypt.

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Language: Arabic, English, Germany

Religion: Muslim

Education: -

- B. Sc. Chem. Eng., 1982 (with Distinction grade), Faculty of Eng., El-Minia University, Egypt.
- M. Sc. Chem. Eng., 1986, Faculty of Eng., El-Minia University, Egypt.
- Ph. D. Chem. Eng., 1992, Merseburg, Germany

Present Position:

- Professor Emeritus at Dept. of Chemical and Engineering, Faculty of Engineering, El-Minia University, El-Minia, Egypt.
- Consultant to the Ministry of Environment for Environmental Impact Assessment Projects
- Head of the Chemical and Nuclear Engineering Division at the Syndicate of Engineers
- Member of the Occupational Safety and Health Committee of the Arab Federation of Engineers
- Member of the Consultant unit, Faculty of Engineering, El-Minia University, El-Minia, Egypt.

- Previous Position

- Head Department of Chemical Engineering, Faculty of Engineering, Minia University, Minia, Egypt (2016-2019)
- Member of the Supreme Council of the Syndicate of Engineers (2020-2021)
- Secretary of the Chemical and Nuclear Engineering Division at the General Syndicate of Engineers (2016-2020)
- Head Department of Chemical Engineering, College of Engineering, Jazan University, KSA (2011-2014).
- Member of JAC (Jazan Accreditation Council) of College of Engineering, Jazan University, KSA (2009-2012).
- -ABET directory for Chem. Eng, Dept., Jazan University, KSA.
- Arbitrator of EUPC (Egyptian Universities Promotion Committees) period 2008 – 2011.

- Quality Assurances and accreditation Unit directory, Faculty of Engineering , since April 2008
- Professor 2005 till now
- Associate Professor, From 1999 - 2005
- Lecturer, 1992 – 1999
- Assistant Lecturer 1986-1992
- Researcher 1982-1986
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Professional Association

- The Egyptian Association of Chemical Engineers, Cairo, Egypt

GENERAL INFORMATION

- Directory of QAAU since April 2008 in the Faculty of Engineering – Minia University
- PCIQA Project (3rd Stage) Manager since October 31-2009
- Over 27 years of academic and industrial experience in teaching, research, industrial R&D projects and design, and project coordination.
- Research works in different includes: Thermodynamics of extraction processes and phase equilibrium, pollution industry, modeling and simulation, wastewater Treatment
- I taught many of subjects to post and undergraduate levels.
- I participated in different programs to improve and develop educational activities, develop and improved academic engineering programs, develop and implemented scientific and industrial research projects, prepared and developed laboratories of engineering

Quality Assurance and Accreditation Experience

- Directory of QAAU since April 2008 in the Faculty of Engineering - Minia University
- Preparation and design of Continues Improvement and quality accreditation programmer (PCIQA) files.
- PCIQA Project (3rd Stage) Manager since October 31-2009
- 5 FLDP training
- WORKSHOP in CIQAP proposal preparation
- PCIQA project protocol signing at 30-10-2009

Teaching Experience:

- **Undergraduate Jazan University courses:**
 - 1- Physical Chemistry (CHE 424) 4 crd hrs
 - 2- Thermodynamics I (CHE 322) 3 crd hrs
 - 3- Thermodynamics II (CHE 412) 4 crd hrs
 - 4- Engineering Reaction & Reactor Design (CHE 511) 3 crd hrs
 - 5- Graduation Project (CHE 590) 4 crd hrs
 - 6- Elective Course (2) (electrochemistry and corrosion) (CHE 5****) 3crd hrs
 - 7-Elective Course (2) (Petroleum Refinery engineering) (CHE 5****) 3crd hrs
 - 8- Project
- **Minia University**

1. Fundamental of Chemical Engineering,
2. Applied Physical Chemistry,
3. Heat Transfer, mass transfer,
4. Mathematical Modeling & simulation,
5. Engineering Chemistry,
6. Computer programming,
7. Computer Application on chemical Engineering,
8. Kinetic, Reactor Design,
9. Thermodynamic,
10. Unit Operation
11. Lab. I & II,
12. Chemical Industries,
13. Separation Processes,
14. Project.

-Postgraduate courses:

1. Modeling and simulation,
2. Computer Application on chemical Engineering,
3. reactor Design,
4. Advanced Thermodynamic,
5. Advanced Mass Transfer,
6. Experimental Design and Analysis,
7. Advanced Separation Processes,
8. Boundary Layer,
9. Adsorption technique.

Grants:

- PCIQA project in the competence with 42 faculty all around Egypt
- Directory of NATO project for sewage wastewater treatment in Egypt.
- Five Years at Merseburg High Technical School, Germany for studying, teaching and researching Ph. D. thesis. Directed by Prof. D. Lempe, Dept. of Unit Operation, and Chemical Engineering.

Consulting

- Environmental impact assessment expert for many industrial projects.
- project planning and implementation as university working team in the environmental evaluation office that evaluates and studies of the different effects of the small projects on the environment and offering the promotion required
- Consulting groups in the faculty of engineering Consulting units

Research Experience:

- 1984-1986 A THERMODYNAMIC STUDY FOR SOLVENT EXTRACTION PROCESSES, M. Sc. project supervised by Prof. Dr Mamdouh Nassar, Faculty of Engineering, El-Minia University, Egypt.. and Prof. Dr Ibrahim A. Salim, Faculty of Eng., Alex University, Egypt.
- 1987-1992 BEVERTUNG VON MEHRSTUFIGEN FLUESSIGKEITS - FLUESSIGKEITS-GLEICHGEWICHTEN ZUR BEWERTUNG VON EXTRAKTIONSPROZESSEN" Ph.D. supervised by Prof. Dieter Lempe, Chemical Engineering, High Technical University, Merseburg, Germany.

1992-2003 Research program can be summarized into the following:

- i) Thermodynamic and Mass transfer processes during the extraction of essential oil.
- ii) Studying and evaluation of different thermodynamic parameters for the separation processes,
- iii) Modeling of Equilibrium Data and equation of state. The removal of pollutants from effluent using low cost adsorbents,
- iv) Development of single resistance mass transfer models for the adsorption of pollutants onto low

cost adsorbents.

- v) Development and application of two resistance mass transfer models for predicting concentration-time data in batch and fixed bed adsorption systems.
- vi) Development of design models for fixed bed column studies.
- vii) Modeling and simulation

References

- Prof. Mamdouh M. Nassar**, Dept. of Chemical Engineering, Faculty of Engineering, El-Minia University, El-Minia, Egypt.
- Prof. Hassan A. A. Farag**, Dept. of Chemical Engineering, Faculty of Engineering, Alex. University, Alexandria, Egypt.
- Prof. Ibrahim A. Salim**, Dept. of Chemical Engineering, Faculty of Engineering, Alexandria University, Alexandria, Egypt.

Books

- Engineering Chemistry
- FORTRAN for Engineering

LIST OF PUBLICATIONS:

- 1- Ebrahiem, E. E.; Mansour, I.A.S.; Fadali, O. A. and Nassar, M. M.; "A Thermodynamic Study of the Solvent Extraction of proton Ionization of the p - ethoxyanalinium ion", Minia First Energy Conference, El Mini City, Egypt, (1988).
- 2- Ebrahiem, E. E.; Lempe, D. A. and Hradatzky, G.; "Extraction Process Calculation for the Evaluation of Selective Solvent", 11 IUPAC, Como. Italy, (1990).
- 3- Ebrahiem, E. E. and Ibrahim A. Ashour; "PHASE EQUILIBRIUM FOR NONVOLATILES USING EQUATION OF STATE: THE EFFECT OF SOLUTE - SOLUTE INTERACTION ON THE CALCULATION", Pulletin of the faculty Engineering & Technology, Minia University, Vol. 12, No. 1, pp.286-311 (1993).
- 4- Ebrahiem, E. E.; Ashour, I. and Aly, G.; "COMPARATIVE STUDY OF DIFFERENT EQUATION OF STATE FOR THE PREDICTION OF BINARY SOLID-SUPERCRITICAL FLUID", Egyptian-Syrian 1st. Congress, Suez City, Egypt, 2-5 Oct., pp. 612-631 (1995).
- 5- Ebrahiem, E. E.; Ibrahim, H. Aly; Amin, T. A. Ossman; and Hassanien, S.; "A KINETIC STUDY ON THE OXIDATION RESISTANCE OF STEEL AFTER DIFFUSION COTING WITH ALUMINIUM AND SILICON POWD", Pulletin of the faculty Engineering & Technology, Minia University, Vol. 14, No. 2, pp.286-311 (1995).
- 6- Ebrahiem, E. E.; Ashour, I.; Khattab, I. A. and Mohey-El-Dean, A. M.; "EFFECT OF MINIMIZATION ROUTINES ON THE PREDICTION ACCURACY OF THE EQUATION OF STATE ", A.M.S.E, Modeling, Measurement & Control, Vol. 57, No. 1, 2, (1998).
- 7- Ebrahiem, E. E.; "SOLVENT EXTRACTION OF NIGELLA SATIVA OIL FROM BLACK SEED", Alexandria Engineering Journal, Vol. 37, No. 2, pp. D35-D42, March (1998).
- 8- Ebrahiem, E. E.; Aly, I. H.; Nofal, A. A.; Ahmed, F. M. and Omran, A.M.; "PREPARATION OF Al-Si ALLOYS USING SODIUM -FLUOSILICATE AND MOLTEN ALUMINIUM", Metall, 52, Jahrgang Nr. 9, pp. 1-4 (1998).
- 9- Ebrahiem, E. E.; and Ashour, I; "A MODIFIED PERTURBUED HARD- SPHERE EQUATION USING SOAVE'S ATTRACTIVE TERM", Alexandria Engineering Journal, Vol. 38, No. 1, pp. D1-D15, (1999).
- 10- Ebrahiem, E. E. and Magdy, Y. H.; "EUILIBRIUM STUDIES DURING ADSORPTION OF BASIC DYE FROM AQUEOUS SOLUTIONS USING DIFFERENT ADSORBENTS MATERIALES", The First Minia International Conference for Advanced Trends in Engineering, MICATE "99", Minia (14-16) March (1999).
- 11- Ebrahiem, E. E.; El-Bassuoni, A. A. and Ahmed, A. M.; "SULFUR, NICKEL AND VANADIUM REMOVAL FROM HEAVY PETROLEUM RESIDUES", The First Minia International Conference for Advanced Trends in Engineering, MICATE "99", Minia (14-16) March (1999).

- 12- Ebrahiem, E. E.; "A KINETIC AND THERMODYNAMIC STUDY ON THE EXTRACTION OF IRON FROM FELDSPAR", TESCE, Vol. 27, No.2, Oct. (2001).
- 13- Ebrahiem, E. E.; Aly, I. H.; Kesba, M. M. and Mokhtar, E.; "CORROSION RESISTANCE OF ALUMINIZED STEEL IN AQUEOUS SOLUTIONS", First Symposium on Heat Treatment of Metal & Alloys, 131th 2001, Cairo, 3-5 Novem., (2001).
- 14- Ebrahiem, E. E.; Aly, I. H.; Elshayeb, M.M and Amer I. Eid, "FACTORS AFFECTING THE STABILITY OF ENAMEL COATING ON STEEL", The Egyptian Journal for Engineering Sciences and Technology, Vol. 6, No. 1, Jan. (2002).
- 15- Ebrahiem, E. E. and Osama, M. M., "AN INVESTIGATION OF EXTRACTED AGRICULTURE-FIBERS FOR CONCRETE PROPERTIES IMPROVEMENT", The Egyptian Journal for Engineering Sciences and Technology, Vol. 6, No. 1, Jan. (2002).
- 16- Ebrahiem, E. E. Nassar, M. M.; Daifullah, A. A. and Magdy, Y. H., "UPTAKE OF CATIONIC DYES BY CEMENT KILN DUST: SORPTION MECHANISUM AND EQUILIBRIUM ISOTHERM", Adsorption Science and Technology, Vol. 20, No. 7, (2002).
- 17- Ebrahiem, E.E; Ibrahim H. Aly, Noval, A. A. and Omran, A. M.; "DISSOLUTION KINETICS OF SILICON-CONTAINING SODIUM FLUOSILICATE IN STIRRED TANK BATH OF MOLTEN ALUMINIUM", Light Metal, 131st TMS, Annual Meeting Seattle, Washington, February, 17-21, (2002).
- 18- Ebrahiem, E.E; "AN INVESTIGATION ON SOLVENT EXTRACTION OF OIL FROM EGYPTIAN OIL-SHALE"; Alex. Eng. Journal, Vol. 41, No. 3, pp. 581-586, (2002).
- 19- Ebrahiem, E.E.; Aly, I. H.; Bastawesey, A. M.; Hashem, M. A. and Abdelmonem, R.; "DIRECT REDUCTION OF IRON ORE FINES BY OIL SHALE FINES" The Second Minia International Conference for Advanced Trends in Engineering, MICATE "2002", Minia (7-9) April (2002).
- 20- Ebrahiem, E.E. and Ibrahim Ashour ; "A DEVELOPED PERTURBED HARD SPHERE EQUATION USING VAN DER WAAL'S ATTRACTIVE PART (AEMA-EOS)", Bulletin of the faculty Engineering, Minia University, Vol. 22, No. 1, pp.124-134 (2003).
- 21- Ebrahiem, E.E; Nassar, M. M.; Ewida, K. T.; Magdy, Y. H. and Mheady, M. H.; "ADSORPTION OF IRON AND MANGANESE USING LOW COST MATERIAL AS ADSORBENT ", J. of Environ. Sci. and Health, A39, 2, p. 465 (2004).
- 22- Ebrahiem, E. E.; Nassar, M. M.; Kamal T. A.; Magdy, Y. H. and Mansour, H. M.; "Fixed Bed Adsorption For Removal of Iron and Manganese onto Palm Fruit Bunch and Maize Cub", J. Adsorption Sci. & Tech., Vol. 22: (22), pp. 25-38 (2004).
- 23- Ebrahiem, E.E.; Fadali, O. A.; Magdy, Y. H. ; Daifullah, A. A. and Nassar, M. M.; "REMOVAL OF CHROMIUM FROM TANNERY EFFLUENTS BY ADSORPTION ", J. Adsorption Sci. & Tech., Vol. 22: (45), pp. 12-18 (2004).
- 24- Ebrahiem, E.E.; Mohamed A. AL-Meshragi; Asama Milad; An Investigation of Phenolic Effluents Removal from Wastewater; 12th Asian Chemical Congress (12ACC) on (23-25) August held in Putra World Trade Center, Kuala Lumpur, Malaysia (2007). 25- Ebrahiem, E.E.; Mohamed A. AL-Meshragi; Asama Milad; Kinetic Model of phenolic Effluents Removal from waste-water, Mathematics in Chemical Engineering and Biochemical Kinetics and Engineering (MACKIE-2), Houston, USA (2007)
- 25- Ebrahiem E. Ebrahiem, Mamdouh M. Nassar, A. M. El-kersh, Mohamed S. Mahmoud Diffusion Controlled Corrosion of Agitated Vessels of Different Geometries, 8th International Conference of chemical Engineering, The Challenges of Environment & Energy in Oil, Gas and Petrochemical Industries, November 15-28, Cairo, 2008.
- 26- Ebrahiem E. Ebrahiem, Mamdouh M. Nassar", Nawaf M. Al Mutairi: Mass Transfer at Different Impellers of Rectangular -Vessel in Presence of Suspended Solids and Drag Reducing Polymer, 3rd International conference on Engineering Science & Technologies, National Research Center, March 24-26, Cairo, 2008.
- 27- Ebrahiem E. Ebrahiem and Mohamed S. Mahmmod: An Investigation on the Removal of Phenolic Compounds Wastewater"; minia 3rd international Conf. 2-3 Mars, 2009.
- 28- Ebrahiem E. Ebrahiem, Joseph Y. Farah and Mahmmad S. Mahmoud: " An Investigation On The Removal Of Nitrophenol Onto Carbon Obtained From Trees Branches" I.C.E.E. 5th International Conference, Cairo, 25-27 May, 2010

- 29- Mohamed H. Ghazaly, Mohammednoor N. Almaghrabi, Ebrahiem E. Ebrahiem:, " STUDY ON THE REUSE OF CEMENT KILN DUST IN THE PRODUCTION OF CEMENT CONCRETE" Minia Journal of Engineering and Technology, (MJET) Vol. 31, No 2, July 2012.
- 30- Fadali O.A.*, Ebrahiem E.E, Mohamed S. Mahmoud and Mohamed Obaidl: " CONTRIBUTION OF ELECTROMAGNETIC FIELD IN ELIMINATION OF A HEAVY METAL FROM INDUSTRIAL WASTEWATER", Proceeding of the 6th ICEE Conference 29-31 May 2012
- 31- Ebrahiem E. Ebrahiem, Mohammednoor N. Al-Maghrabi, Ahmed R. Mobarki: "Removal of organic pollutants from industrial wastewater by applying photo-Fenton oxidation technology", Arabian Journal of Chemistry (2013) xxx, xxx-xxx, Received 19 February 2013; accepted 9 June 2013
- 32- 33-0. A. Fadalil, E. E. Ebrahieml, T. E. Farragl, M. S. Mahmoudl, M. Obaidl, and A. M. Nasser Barakat, " Enhancement of Mass Transfer Rate and Diminution of the Power Consumption of Copper Cementation Using Electromagnetic Field", Energy and Environment Focus, Vol. 2, pp. 1-6, 2013.
- 33- 34-O.A. Fadali, E.E. Ebrahiem, T.E. Farrag1*, M.S. Mahmoud, A.El-Gamil, " TREATMENT OF OILY WASTEWATER PRODUCED FROM REFINERY PROCESSES USING ADSORPTIONTECHNIQUE", Minia Journal of Engineering and Technology, (MJET) Vol. 32, No 1, January 2013.
- 34- O. A. Fadali · Ibrahim E. I · T. E. Farrag · N. A. Barkat · A. M. Abdelbasier, ELECTROCHEMICAL PROCESS FOR REMOVAL OF AN ORGANIC PESTICIDE (METHOMYL) FORM AQUEOUS SOLUTIONS, Minia Journal of Engineering and Technology, (10), 2014.
- 35- O.A. Fadali · E.E. Ebrahiem · A. El- Gamil · Hossam Altaher, Investigation of the Electrocoagulation Treatment Technique for the Separation of Oil from Wastewater, J. Environ. Sci. Technol., 9 (1): 62-74, 2016.
- 36- Ebrahiem E. Ebrahiem a,* , Mohammednoor N. Al-Maghrabi b, Ahmed R. Mobarki Removal of organic pollutants from industrial wastewater by applying photo-Fenton oxidation technology, Arabian Journal of Chemistry, Volume 10, Supplement 2, May 2017, Pages S1674-S1679.
- 37- Khaled Habib Ezzat, Ibrahim Ismail Ibrahim, Moustapha Salem Mansour, Ahmed Badr ElDeeb, Yousra Hamdy Farid; Applying a EPD study on an LPG/SNG system in a steel factory, International Journal of Innovations in Engineering and Technology (IJIET), Volume 11 Issue 2 September 2018.
- 38- Ebrahiem E. Ebrahiem, Hossam Altaher, Emad A. Abdelghany, and Yehia H. Magdy, Packed Bed Column for Adsorption of Aqueous Phenols on Cement Kiln Dust, July 2018, Journal of Hazardous, Toxic, and Radioactive Waste 3(22).
- 39- Khaled Habib Ezzat, Moustapha Salem Mansour, Ebrahiem Esmail Ebrahiem and Fathy Ahmed Shoukry, Applying a Hazard Area Classification Study on an (Liquefied Petroleum Gas/Synthetic Natural Gas) System in a Steel Factory to Highlight Major Hazards, Chem Sci J 2018, 9:2.
- 40- Mohammad M. Almutairi, Ebraheim E. Ebraheim, Mohamed S. Mahmoud, Mohamed S. Atrees, and Mohamed E. M. Ali, Synergetic effect of metal-doped GO and TiO₂ on enhancing visible-light-driven photocatalytic hydrogen production from water splitting; Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Received 06 Feb 2019, Accepted 27 May 2019, Published online: 20 Jun 2019.
- 41- Abeer El Shahawy, Shrouk Hassan, Ebrahiem Esmail Ebrahiem, Ibrahim El Kersh, Organic pollutants removal from olive mill wastewater by coagulation and electrocoagulation: application of Box-Behnken design (BBD), J. Desalination and Water Treatment, 148 (2019) 102–118, April.
- 42- Mohamed S. Atrees, Ebraheim E. Ebraheim, Mohamed E. M. Ali, Yasser M. Khawassek, Mohamed S. Mahmoud & Mohammad M. Almutairi; Synergetic effect of metal-doped GO and TiO₂ on enhancing visible-light-driven photocatalytic hydrogen production from water splitting; J. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, Received 06 Feb 2019, Accepted 27 May 2019, Published online: 20 Jun 2019.

- 43- Samah A. Hawash Ebrahiem Esmail Ebrahiem Hassan A. Farag; Kinetic study of the esterification of unsaturated free fatty acids; Proceedings of the Institution of Civil Engineers – Energy, ISSN 1751-4223 E-ISSN 1751-4231, Volume 172 Issue 3, August, 2019, pp. 105-114.
- 44- Mohammad M. Almutairi¹; Ebraheim E. Ebraheim; Mohamed S. Mahmoud; Mohamed S. Atrees; Mohamed E. M. Ali; Yasser Mahmoud Khawassek; Nanocomposite of TiO₂ @ Ni- or Co-doped graphene oxide for efficient photocatalytic water splitting; Egypt. J. Chem. Vol. 62, No. 6. pp. 1649 - 1658 (2019).
- 45- Samah A. Hawash, Ebrahiem Esmail Ebrahiem, Hassan A. Farag, Kinetics of Esterification of Oleic And Linoleic Free Fatty Acids; J. of Advanced Engineering Trends, Vol. 39, No. 1. January 2020.
- 46- Gehad Mahmoud, Moustapha Salem, Ebrahiem Esmail Ebrahiem, Ahmed El-Shazly, Hanaa Abou Gabal, Degradation of Eosin Y in Water Using Corona Treatment with a Dielectric Barrier Discharge Plasma, July 2020, J. Chemical Engineering & Technology 43(10).
- 47- Ebrahiem Esmail Ebrahiem, Ahmed Abdelaziz Noaman, Ibrahim Hamed M. Aly, Mostafa A. Abdel-Rahman, the Effect of Fiber-Adhesive Composite on Bond Strength of Plastic Plates- Part I: Adhesion Type & Thickness; Egypt. J. Chem. Vol. 63, No. 12 pp. 5145-5159 (2020).
- 48- Mohamed Ali, Mamdouh M. Nassar, Ebrahiem Esmail Ebrahiem, Hisham M. Elsharif; Optimization of Banana Stem Pulp to Substitute Soft Wood Pulp for High Quality Paper, Journal of Pulp and Paper Science, Egyptian Journal of Chemistry. Accepted Manuscript, Available Online from 17 November 2020.
- 49- Ebrahiem Esmail Ebrahiem, Abdelaziz Ahmed Noaman; Tarek M Aboufotouh; Moustapha I Mansour; Yassin A Hakim: CO₂ Emissions, Green House Gas Calculations and Controlling in the Gas Plant, December 2020, Egyptian Journal of Chemistry.
- 50- Ebrahiem Esmail Ebrahiem, Basma Khairy AbdEl. Hakim, A. A. Abouelsoud, Reda Abobeah; Enhancement of Feed Forward Multi Effect Evaporator Performance for Water Desalination Using PI Control, Journal of Advanced Engineering Trends, Volume 40, Issue 2, Summer and Autumn 2021, Page 1-9. Ebrahiem E. Ebrahiem, Yassin A. Hakim, Tarek M. Aboul-Fotouh, M. Abd Elfattah; Improvement of Diesel Fuel to Enhance Engine Performance and Emissions Using Zinc Oxide Nanoparticle Additive; Egypt. J. Chem. Vol. 65, No. 2, pp. 349-355 (2022).
- 51- Ebrahiem Esmail Ebrahiem, Gehad M. Abd El-Gelil, Moustapha S. Mansour, Hanaa Abou-Gabal, Ahmed El Saghir; Salicylic acid elimination by pulsed corona discharge as novel technique for wastewater treatment; Received: February 19, 2021; revised: August 14, 2021; accepted: September 28, 2021.
- 52- Ebrahiem Esmail Ebrahiem, Gaber S. AbdelGhany, Hamdy F. M. Mohamed, Gomaa A. M. Ali, Nabila Shehata; Eco-friendly activated carbon developed from rice hulls for chromium and iron ion removal, Journal of Environmental Engineering and Science, Received 14/03/2021; Accepted 09/09/2021

SUPERVISION:

Supervision on final year projects as below:

- 1- Plant Design Production of Mono-Vinyl Acetate.
- 2- Plant Design Production of Vinyl Chloride Monomer.
- 3- Plant Design Production of Propeonic Acid.
- 4- Plant Design Production of Butene.
- 5- Plant Design Production of Development of Gas Oil Unit.
- 6- Plant Design Production of Phythelic Acid.
- 7- Plant Design Production of Direct Iron Reduction.
- 8- Plant Design Production of Isomerization unit of Light Naphtha.
- 9- Plant Design Production of Development of Gas Oil Unit.
- 10- Plant Design Production of Light Hydrocarbons Recovery.
- 11- Plant Design Production of Acrylic Acid.

- 12- Plant Design Production of Methanol from Buri off-shore.
- 13- Plant Design Production of Polyethylene.
- 14- Plant Design Production of graphite from LPG.
- 15- Design of a Modern Fluid Catalytic Cracking Unit.
- 16- Design of Modified Atmospheric Distillation Unit for Petroleum Fractionated.

2. Supervision on postgraduate thesis as below

Supervisor for about 15 MSc Master of Science and about 10 Ph Dr Thesis that are finished.

There are about 8 MSc and 5 Ph Dr are still in research per

- 1- "Phase Equilibrium Calculation at High and Low Pressure": by Abdallah Mohieldin.(1995)
- 2- "Modeling and simulation of reactor (Gas-Liquid) in natural gas purification"; by Emad A. Mahmmod (1998)
- 3- "A study on factors affecting the production of Aluminum alloy using sodium fofosilicate"; by A. M. Omran.
- 4- "Electrochemical and physical removal of color from industrial dyestuff wastewater"; by S.M. Abo Baker.
- 5- "Underground water Treatment using adsorption technique" by M.H. Mehady (2001).
- 6- "Solid-Liquid waste treatment" by A. M. Algameil(2003).
- 7- "Mechanical study during agitation in reactors with different shapes."; by M. S. Mahmmmod (2003).
- 8- "sulfur removal from petroleum coke and its effect on product properties"; by M. E. Alanzi (2003).
- 9- Diffusion control of corrosion during agitation in cubic reactor"; by N. M,D. Almitarue (2003).
- 10- "Corrosion study in moveable Media"; by G. M. Ibrahim
- 11- "Modeling for Radial Thermal Conductivity in Fixed Bed Reactor under High Pressure"; by Abd-El-Nasser Moftah Almaghrbi; (2004).
- 12- "Organic Effluent Removal Using Tree Branches by Adsorption"; by Asma Mostafa Husin Milad (2006).
- 13- "An Investigation of Heavy Metals uptake from Effluents"; by Ahmed Ali Maray (2007).
- 14- "Removal of Volatile Organic Compounds from Waste-Water using Photonic Oxidation"; by Safia Ramadan Al-Atresh (2007).
- 15- "Waste-Water Treatment Using Adsorption Techniques with low Cost Adsorbent"; by Mohamed Abdallah Odan (2007).