

# *El-Shimaa Mohamed El-Zahed*

## Contact

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## Languages

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- Fluent in both written and spoken Arabic and English.
- Good knowledge of French.

## Objective

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Seeking a challenging research opportunity that apply teaching and communication skills at Chemical Engineering field to assist students increasing performance, reaching their potential and ensure the learning environment is appropriate and positive by creating efficient less on plans and strong courses content which encourage their creativity and higher order thinking.

## Education

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*Doctor of Philosophy, Cairo university ,Egypt, 2018*

- Major: Chemical Engineering
- Specialization: Fluid Mechanics
- Thesis title: " The Use Of Different Coagulants for the Treatment of Waste Sludge in Ceramic Tiles Factories "
- Publications
  - 1) **El Zahed El S.M**, Amin Sh.K, Abdel Salam N.F, Barakat F.I, Abadir M.F ,“ Rheological Properties of Waste water from the ceramic tile Industry Treated with Different Coagulants”, European Journal of Scientific Research ISSN 1450-216X / 1450-202X Volume 148, Number 1 (2017) pp. 143-154 Publications.[http://www.europeanjournalofscientificresearch.com/issues/PDF/EJSR\\_148\\_1\\_08.pdf](http://www.europeanjournalofscientificresearch.com/issues/PDF/EJSR_148_1_08.pdf)
  - 2) **El Zahed El S.M**, Amin Sh.K, Abdel Salam N.F, Barakat F.I, Abadir M.F ,“ Settling Characteristics of Wastewater from the Ceramic Tile Industry Treated with Different Coagulants”, International Journal of Scientific & Engineering Research ISSN 2229-5518 Volume 8, Issue 12, December-2017 Publications.[https://www.researchgate.net/publication/329963517\\_Settling\\_Characteristics\\_of\\_Wastewater\\_from\\_the\\_Ceramic\\_Tile\\_Industry\\_Treated\\_with\\_Different\\_Coagulants](https://www.researchgate.net/publication/329963517_Settling_Characteristics_of_Wastewater_from_the_Ceramic_Tile_Industry_Treated_with_Different_Coagulants)
  - 3) **El Zahed El S.M**, Amin Sh.K, Abadir M.F ,“ Filtration of ceramic sludge – A case study”, Journal of Engineering and Applied Science ISSN 1110-1903 Volume 65, December-2018,pp.493-503 Publications [https://www.researchgate.net/publication/329731983\\_Filtration\\_of\\_ceramic\\_sludge\\_-\\_A\\_case\\_study](https://www.researchgate.net/publication/329731983_Filtration_of_ceramic_sludge_-_A_case_study)

*Master of Science in Chemical Engineering , Cairo university ,Egypt ,may 2010*

- Major: Chemical Engineering
- Specialization: Fluid Mechanics
- Thesis title: " The Effect of Some Additives on the Rheological Properties of Engine Lubricating Oil "



## Computer

- Good command of all Windows Operating System
- Excellent knowledge of MS Office (Word, Excel, Outlook and Power Point).
- Good command of Work bench, MATLAB., Visio, Aspen
- Excellent Internet research skills and its application.

- Publication:  
Abadir M. F., El-Zahraa F. A., Ahmed N. S., Kamal R. S., **El-Zahed El-S. M** "The Effect of Some Additives on the Rheological Properties of Engine Lubricating Oil", Journal of Engineering Research and Applications ISSN: 2248-9622, Vol. 4, Issue 7 (Version 6), July 2014, pp.169-183

**Bachelor of Engineering**, Higher Technological Institute (HTI) in 10<sup>th</sup> of Ramadan City, Egypt, Aug 2006

- Major: Chemical Engineering
- Specialization: Chemical Engineering – Polymer Processing
- GPA: 3.78 / 4.0, (93.40%) Excellent
- Graduation Project: Production of Polybutadiene.
- Graduation Project Grade: Excellent.
- Project Description: Design and cost analysis for polybutadiene processing plant
- Experience Gained: By the end of project- I became quite familiar with Polymer material.

## Experience

Higher Technological Institute (HTI), 10<sup>th</sup> of Ramadan City, Egypt:

- Due to my excellence in my study all over 5 years my faculty was appointed me as a Teaching Assistant.

Helping in teaching the following courses:

- Heat transfer.
- Plant design
- Automatic Control
- Material technology
- Basic Principles and Calculations in Chemical Engineering Fluid mechanics
- Polymer Processing

## Certifications

- Researcher Academy on Campus: Promoting your research capabilities – The modern knowledge cycle.
- National Authority for Quality Assurance and Accreditation of Education : Exams and students' Assessment Systems: Faculties and Institutes of Higher Education