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Publications

Books:

- 2015:** Nour Shafik El-Gendy & James G. Speight
“Handbook of Refinery Desulfurization” CRC Press, Taylor and Francis Group, 6000 Broken Sound Parkway
NW, Suite 300, Boca Raton, FL 33487-2742, USA.
- 2015:** Nour Sh. El-Gendy
“Biodesulfurization of Petroleum and Its Fractions” in "Advances in Petroleum Engineering" in "Chemical
Technology Series”, Vol. 4 Advances in Petroleum Engineering II: *Petrochemical* (2015) Eds. K.K. Pant,
Shishir Sinha, S. Bajpai and J.N. Govil, Studium Press LLC, Houston, USA. Chapter 24, Pp. 655-680.
- 2013:** Nour El-Gendy & Hekmat Madian
"Ligno-Cellulosic Biomass for Production of Bio-Energy in Egypt" LAP LAMBERT Academic Publishing,
Deutschland, Germany.

Manuscripts:

- 2016:** Nour Sh. El-Gendy & Hussein N. Nassar
“Study on the Effectiveness of Spent Waste Sugarcane Bagasse for Adsorption of Different Petroleum
Hydrocarbons Water Pollutants: Kinetic and Equilibrium Isotherm” *Desalination & Water Treatment* **57(12)**,
5514-5528.
- 2015:** Abdullah M. El Mahdi, Hamidi Abdul Aziz, Salem S. Abu Amr, Nour Sh. El-Gendy & Hussein Nassar
“Isolation and Characterization of *Pseudomonas* sp. NAF1 and Its Application in Biodegradation of Crude
Oil” *Environmental Earth Sciences* (**Accepted in Press**).
- 2015:** H.I. Hamouda, H.N. Nassar, H.R. Madian, M.H. El-Sayed, A.A. El-Ghamry & N.Sh. El-Gendy
“Isolation of Fermentative Microbial Isolates from Sugar- Cane and Beet Molasses and Evaluation for
Enhanced Production of Bioethanol” *Energy Sources, Part A: Recovery Utilization & Environmental Effects*
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- 2015:** Basem S. Zakaria, Hussein N. Nassar, Nour Sh. EL-Gendy, Seham A. El-Temtamy & Sherif M. Sherif
“Denitrogenation of Carbazole by a Novel Strain *Bacillus Clausii* BS1 Isolated from Egyptian Coke” *Energy
Sources, Part A: Recovery Utilization & Environmental Effects* (**Accepted in Press**)
- 2015:** Hamed I. Hamouda, Hussein N. Nassar, Hekmat R. Madian, Salem S. Abu Amr & Nour Sh. El-Gendy
“Response Surface Optimization of Bioethanol Production from Sugarcane Molasses by *Pichia veronae*
Strain HSC-22” *Biotechnology Research International* **Volume 2015**, Article ID 905792, 10 pages.
(doi: [10.1155/2015/905792](https://doi.org/10.1155/2015/905792))
- 2015:** Nour Sh. El-Gendy, Salem S. Abu Amr, Radwa A. El-Salamony & Hussein N. Nassar
“Factorial Design Analysis for Biosorption of Reactive Red-84 Dye Using Fermentation Spent Waste
Biomass, Biosorbent Regeneration and Desorbed Dye Photo-Degradation Using TiO₂ Nanoparticles”
Desalination & Water Treatment **56(12)**, 3403-3413.
- 2015:** Sherif A. Younis, Nour Sh. El-Gendy, Waleed I. El-Azab, Yasser M. Moustafa
“Kinetic, Isotherm, and Thermodynamic Studies of Polycyclic Aromatic Hydrocarbons Biosorption from
Petroleum Refinery Wastewater Using Spent Waste Biomass” *Desalination & Water Treatment* **56(11)**, 3013-
3023.
- 2015:** Nour Sh. El-Gendy, Abd Allah S.A. El-Gharabawy, Salem S. Abu Amr, Fatma H. Ashour
“Response Surface Optimization of an Alkaline Transesterification of Waste Cooking Oil” *International
Journal of ChemTech Research* **8(8)**, 385-398.
- 2015:** Nour Sh. El-Gendy, Hekmat R. Madian, Hussein N. Nassar & Salem S. Abu Amr
“Response surface optimization of the thermal acid pretreatment of sugar beet pulp for bioethanol production
using *Trichoderma viride* and *Saccharomyces cerevisiae*” *Recent Patents on Biotechnology* **9(1)**, 50-62.

- 2015: Abdullah M. El Mahdi, Hamidi Abdul Aziz, Salem S. Abu Amr, Nour Sh. El-Gendy & Hussein Nassar
 “Performance of some new bacterial isolates on biodegradation of Libyan light crude oil using agro-industrial wastes as co-substrates” *Applied Mechanics and Materials* **802**, 496-500.
- 2015: Hamed I. Hamouda, Hussein N. Nassar, Hekmat R. Madian, Salem S. Abu Amr & Nour Sh. El-Gendy
 “Statistical Optimization of Batch Ethanol Fermentation of Sugarcane Molasses by *Candida tropicalis* Strain HSC-24” *International Journal of ChemTech Research* **8(6)**, 878-889.
- 2015: N. Sh. EL-Gendy, H. N. Nassar & S. A. Younis
 “Main and Interactive Effects of Polyaromatic Sulfur Heterocyclic Compounds on Growth and Biodegradation Efficiencies of *Bacillus sphaericus* HN1: Modeling and Statistical Analysis” *Petroleum Science & Technology* **33(11)**, 1167-1181.
- 2015: Abdullah M. El Mahdi, Hamidi Abdul Aziz, Salem S Abu Amr, Nour Sh. El-Gendy & Hussein Nassar
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- 2015: S. F. Deriase, H. N. Nassar & N. Sh. EL-Gendy
 “Modeling and Simulation for Biodegradation of Mono-, Binary – and Tertiary- Substrate Batch Systems of Different Polyaromatic Sulfur Heterocyclic Compounds” *Petroleum Science & Technology* **33(10)**, 1063-1076.
- 2015: Abdullah M Elmahdi, Hamidi Abdul Aziz, Nour Sh El-Gendy, Salem S Abu Amr & Hussein N Nassar
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- 2015: Nour Sh. El-Gendy, Samiha F. Deriase, A. Hamdy & Renee I. Abdallah
 “Statistical Optimization of Biodiesel Production from Sunflower Waste Cooking Oil Using Basic Heterogeneous Biocatalyst Prepared from Eggshells” *Egyptian J. of Petroleum* **24**, 37-48.
- 2015: B. S. Zakaria, H. N. Nassar, S. S. Abu Amr & N. Sh. EL-Gendy
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- 2015: B. S. Zakaria, H. N. Nassar, D. Saed & N. Sh. EL-Gendy
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- 2015: Nour Sh. El-Gendy, Radwa A. El-Salamony, Salem S. Abu Amr & Hussein N. Nassar
 “Statistical Optimization of Basic Blue 41 Dye Biosorption by *Saccharomyces cerevisiae* Spent Waste Biomass and Photo-Catalytic Regeneration Using Acid TiO₂ Hydrosol” *J. of Water Process Engineering* **6**, 193-202.
- 2015: N. Sh. EL-Gendy & H. N. Nassar
 “Kinetic Modeling of the Bioremediation of Diesel Oil Polluted Seawater Using *Pseudomonas aeruginosa* NH1” *Energy Sources, Part A: Recovery Utilization & Environmental Effects* **37(11)**, 1147-1163.
- 2015: N. Sh. El-Gendy, A. Hamdy & S. S. Abu Amr
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 “A Comparative Study for Batch Process of Phenol Biosorption onto Different Spent Waste Biomass: Kinetics and Equilibrium” *Energy Sources, Part A: Recovery, Utilization & Environmental Effects* **37(10)**, 1098-1109.
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 “Waste Eggshells for Production of Biodiesel from Different Types of Waste Cooking Oil as Waste Recycling and Renewable Energy Process” *Energy Sources, Part A: Recovery, Utilization & Environmental Effects* **37(10)**, 1114-1124.
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 “Application of Different Bio-Catalysts for Bio-Diesel Production from Waste Cooking Oil as a Sustainable and Green Energy Process” Proceedings of the 24th Annual International Conference on Soil, Water, Energy & Air, **Volume 2**, p. 2-37, published by the Association for Environmental Health and Sciences (AEHS) Foundation.
- 2014: Nour Sh. El-Gendy, Basma Ahmed Ali, Salem S. Abu Amr, Hamidi Abdul Aziz & Amr S. Mohamed
 “Application of D-optimal Design and RSM to Optimize the Transesterification of Waste Cooking Oil Using Natural and Chemical Heterogeneous Catalyst” *Energy Sources, Part A: Recovery Utilization & Environmental Effects* (**Accepted in Press**)

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 "Detection of DBT Biotransformation Strains via PCR and Conservation Analysis among Different Bacterial Strains" *International Journal of Chemical and Biochemical Sciences* **6**, 1-10.
- 2014: Mervate A. Abo-State, Ahmed M.E. Ragab, Nour Sh. EL-Gendy, Laila A. Farahat & Hekmat R. Madian
 "Bioethanol Production from Rice Straw Enzymatically Saccharified by Fungal Isolates, *Trichoderma viride* F94 and *Aspergillus terreus* F98" *Soft* **3**, 19-29. ([doi:10.4236/soft.2014.32003](https://doi.org/10.4236/soft.2014.32003))
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 "The Enhancement of Pyrene Biodegradation by Assembling MFe₃O₄ Nano-Sorbents on the Surface of Microbial Cells" *Energy Sources, Part A: Recovery, Utilization & Environmental Effects* **36(17)**, 1931-1937.
- 2014: N. Sh. El-Gendy, S. S. Abu Amr & H. Abdul Aziz
 "The Optimization of Biodiesel Production from Waste Frying Sunflower Oil Using Heterogeneous Catalyst" *Energy Sources, Part A: Recovery, Utilization & Environmental Effects* **36(15)**, 1615-1625.
- 2014: N. Sh. El-Gendy, H. N. Nassar & S. S. Abu Amr
 "Factorial Design and Response Surface Optimization for Enhancing a Biotransformation Process" *Petroleum Science & Technology* **32(14)**, 1669-1679.
- 2014: Samiha F. Deriase & Nour Sh. El-Gendy
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- 2014: Sherif A. Younis, Waleed I. El-Azab, Nour Sh. El-Gendy, Shuokr Qarani Aziz, Yasser M. Moustafa, Hamidi Abdul Aziz & Salem S. Abu Amr
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- 2014: N. Sh. El-Gendy, S. F. Deriase & D. I. Osman
 "The Optimization of Bio-diesel Production from Waste Frying Oil Using Response Surface Methodology and the Investigation of Correlations for Changes in Basic Properties of Bio-Petro-Diesel Blends" *Energy Sources, Part A: Recovery, Utilization & Environmental Effects* **36(5)**, 457-470.
- 2014: R. M. Soliman, N. Sh. El-Gendy, S. F. Deriase, L. A. Farahat & A. S. Mohamed
 "The Evaluation of Different Bioremediation Processes for Egyptian Oily Sludge Polluted Soil on a Microcosm Level" *Energy Sources, Part A: Recovery, Utilization & Environmental Effects* **36(3)**, 231-241.
- 2013: Soha S. M. Mostafa & Nour Sh. El-Gendy
 "Evaluation of Fuel Properties for Microalgae *Spirulina Platensis* Bio-diesel and Its Blends with Egyptian Petro-diesel" *Arabian J. of Chemistry* (**In press; online accepted and final corrected version**).

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