

## Biography



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### **Qualifications**

1999 Ph.D., Zagazig University, Egypt, Inorganic and Physical Chemistry

1995 M.Sc., Zagazig University, Egypt, Inorganic and Physical Chemistry

1990 B.Sc., Zagazig University, Egypt, Chemistry

### **Publications (Selected)**

1. Deraz N. M., Abd-Elkader O. H. (2014), Processing and Characterization of Nano-Magnetic  $\text{Co}_{0.5}\text{Ni}_{0.5}\text{Fe}_2\text{O}_4$  System, *Journal of Industrial and Engineering Chemistry*, , *Journal of Industrial and Engineering Chemistry* 20, 3251–3255.
2. Deraz N. M. (2013), Structural and Morphological Characteristics of Copper-Alumina Nano-Composite, *International Journal of Electrochemical Science*, 8, 4, 5213 - 5222.
3. Deraz N. M. (2012), Magnetic behavior and physicochemical properties of Ni/NiO nano-particles, *Current Applied Physics*, 12, 928- 934.
4. Deraz N. M. (2012), Effect of NiO content on structural, surface and catalytic characteristics of nano-crystalline NiO/CeO<sub>2</sub> system, *Ceramics International* 38, 747-753.
5. Deraz N. M. (2011), Fabrication and characterization of magnetic alumina-doped zinc ferrite nanoparticles, *Journal of Analytical and Applied Pyrolysis*, 91, 48–54.
6. Deraz N. M. (2010), Size and crystallinity-dependent magnetic properties of copper ferrite nano-particles, *Journal of Alloys and Compounds*, 501, 317-325.
7. Deraz N. M., Aiashy M. K. and Ali S. A. (2009), Novel preparation, magneto-chemical characterization and catalytic behavior of nanocrystalline cobalt ferrite catalysts, *Adsorption Science and technology*, 27, 8, 803-816.
8. Deraz N. M. and Shaban S. (2009), Optimization of catalytic, surface and magnetic properties of nanocrystalline manganese ferrite, *Journal of Analytical and Applied Pyrolysis*, 86, 173–179.
9. Deraz N. M., Selim M.M. and Ramadan M. (2009), Processing and properties of nanocrystalline Ni and NiO catalysts, *Materials Chemistry and Physics* 113, 269–275.

10. Deraz N. M. (2008), Production and characterization of pure and doped copper ferrite nanoparticles, *Journal of Analytical and Applied Pyrolysis*, 82, 2, 212-222.
11. Deraz N. M. (2003), Catalytic oxidation of carbon monoxide on pure and zinc oxide doped nickel-alumina catalysts, *Colloids and Surface A*, 318, 213-223.
12. Deraz N. M. (2002), Surface and catalytic properties of Co<sub>3</sub>O<sub>4</sub> -doped CuO/Al<sub>2</sub>O<sub>3</sub> catalysts, *Colloids and surfaces A*, 207, 197-206.
13. Deraz N. M., Mohamed Heikal and Hamdy El-Didamony (2002), Effect of various superplasticizers on the textural properties of silica fume – pozzolanic cements, *Adsorption Science and Technology*, 20, 5, 453-466.
14. Deraz N. M. (2001), Effect of MgO addition on the surface and catalytic properties of the CuO/Al<sub>2</sub>O<sub>3</sub> system, *Adsorption Science and Technology*, 19, 2, 131-141.
15. Deraz N. M. (2001), Effect of Ag<sub>2</sub>O doping on surface and catalytic properties of cobalt-magnesia catalysts, *Materials Letters*, 51, 470-477.
16. Deraz N. M. (2001), Surface and catalytic properties of Cu/Zn mixed oxide catalysts, *Colloids and Surfaces A*, 190, 251-260.