

## Curriculum Vitae

### Personal Data

Name

*Prof. El-Sayed Abdel-Azim El-Sharkawy*



**Affiliation** *King Faisal University*

**Date of Birth** 20/5/1963

**Marital Status** Married

- Academic Appointments**

Name & Address of Employer	Position or Rank	From		To	
		Month	Year	Month	Year
King Faisal University, Saudi Arabia	Associate Professor		2001		Up to now
Suez Canal University, Egypt	Professor		2007		Up to now

- Scientific Qualifications**

- |  |   |
|--|---|
| <ul style="list-style-type: none"><li>• BSc (Chemistry) 1985</li><li>• MSc (Physical Chemistry) 1989</li><li>• PhD (Physical Chemistry) 1994</li></ul> | <ul style="list-style-type: none"><li>• <i>Chemistry Department, University of Mansoura, Mansoura, Egypt.</i></li><li>• <i>Chemistry Department, University of Mansoura, Mansoura, Egypt.</i></li><li>• <i>Chemistry Department, University of Mansoura, Mansoura, Egypt.</i></li></ul> |
|--|---|

### Publications:

1. Surface and Catalytic Properties of Aluminas in Relation to pH of Precipitation, A. M. Youssef, S. E. Samra, H. M. Abouel-Nadar and **E. A. El-Sharkawy**, Bull. Soc. Chim. Fr. 128 (1991) 604.
2. Structural, Textural and Catalytic Properties of Cr<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> catalysts, A. M. Youssef, A. I. Ahmed, S. E. Samra, N. B. El-Assy and **E. A. El-Sharkawy**, Adsorption Sci. & Technol. 16 (1995) 175.
3. Some Surfaces and Catalytic Properties of V<sub>2</sub>O<sub>5</sub>-Cr<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub>, MoO<sub>3</sub>-Cr<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub>, NiO-Cr<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> Ternary Solid Catalysts, A. M. Youssef, A. I. Ahmed, S. E. Samra, N. B. El-Assy and **E. A. El-Sharkawy**, Adsorption Sci. & Technol. 18 (2000) 777.
4. Adsorption of Heavy Metals on Coal-based Activated Carbons, A. M. Youssef, A. M. El-Wakil, E. A. El-Sharkawy, A. B. Farag and K. Tolan, Adsorption Sci. & Technol. 1996, 13, 115.
5. FT-IR Spectroscopic Study of Ship In-Bottle of Rh<sub>6</sub>(CO)<sub>16</sub> Entrapped in NaY Zeolite Catalysts, **E. A. El-Sharkawy**, M. Ichikawa, R. Ohnishi, Mans. Bull. (1996).
6. Oxidation of Carbon Monoxide over Supported Metal Oxide Catalysts, A. M. Youssef and **E. A. El-Sharkawy**, Adsorption Sci. & Technol. 12 (1995) 335.

7. Textural, Structural and Catalytic Properties of  $\text{ZnCr}_2\text{O}_4/\text{Al}_2\text{O}_3$  Catalysts, **E. A. El-Sharkawy**, Adsorption Sci. & Technol. 16 (1998) 193.
8. Effect of  $\gamma$ -Irradiation on the sorptive Properties of Alumina Supported Copper Oxide Catalysts, A. M. Youssef and **E. A. El-Sharkawy**, J. Colloids and Surfaces A: 138 (1998) 21.
9. Structural Characterization and Catalytic Properties of Aluminum Borates-Alumina Catalysts, S. A. El-Hakam, **E. A. El-Sharkawy**, Materials Letters 36 (1998) 176.
10. Changes in Surface and Catalytic Dehydration Activities of 2-Propanol on  $\text{AlPO}_4$ -5 induced by Silver impregnation, **E. A. El-Sharkawy**, M. R. Mostafa and A. M. Youssef, J. Colloids and Surfaces A: 157 (1999) 211.
11. Surfaces and Catalytic Properties of  $\text{SnO}_2\text{-Cr}_2\text{O}_3$  Catalysts, **E. A. El-Sharkawy**, M. R. Mostafa and A. M. Youssef, Adsorption Sci. & Technol. 15 (2000) 237.
12. Surface Properties and Catalytic Conversion of Cyclohexane Over Carbon Supported Bimetallic Catalysts, S. E. Samra, **E. A. El-Sharkawy** and A. M. Youssef, J. Colloids and Surfaces A: 163 (2000) 199.
13. Effect of Thermal Treatment on the Various Properties of Iron (III)-Aluminium (III) Co-Precipitated Hydroxide System, **E. A. El-Sharkawy**, S. A. El-Hakam and S. E. Samra, Materials Letters 42 (2000) 331.
14. Structural Characterization and Activities of Molybdenum Oxide Supported Zirconia Catalysts, **E. A. El-Sharkawy**, A. S. Khder, A. I. Ahmed, Microporous and Mesoporous Materials 102 (2007) 138.
15. Comparative Studies for the Removal of Methylene Blue via Adsorption and Photo-catalytic degradation, **E. A. El-Sharkawy**, Afaf M. Soliman and Kawthr M. Al-Amer, J. Colloids and Interface Science 310 (2007) 498.
16. Non Aqueous Titration and Catalytic Conversion of Cyclohexanol as a Test of Surface Acidity, **El-Sayed A. El-Sharkawy**, Monatshefte für Chemie Chemical Monthly 137 (2006) 1487.
17. Physicochemical Properties of  $\text{Co}_3\text{O}_4/\text{Al}_2\text{O}_3$ ,  $\text{Ag}_2\text{O}/\text{Al}_2\text{O}_3$  and  $\text{Ag}_2\text{O-Co}_3\text{O}_4/\text{Al}_2\text{O}_3$  Oxides and their Catalytic Activities Towards Acid-Base and Redox Reactions, **E. A. El-Sharkawy**, Shar S. Al-Shihry and A. M. Youssef, Adsorption Sci. & Technol. 24 (8) (2006) 657.
18. Influence of Gold and Manganese as Promoters on Surface and Catalytic Performance of  $\text{Fe}_2\text{O}_3/\text{Al}_2\text{O}_3$  System, Nagi R. E. Radwan, **E. A. El-Sharkawy**, A. M. Youssef, Applied Catalysis A: General 281 (2005) 93.
19. Catalytic Reactions of 1-Butanol Over  $\text{AlPO}_4$  Induced by  $\text{B}_2\text{O}_3$ , **E. A. El-Sharkawy**, Shar S. Al-Shihry and A. I. Ahmed, Adsorption Sci. & Technol. 21 (2003) 863.
20. Adsorption of Textile Dyes on Activated Carbons Synthesized From Solid Wastes: Decolorizing Power in Relation to Surface Properties, **E. A. El-Sharkawy**, Adsorption Sci. & Technol. 19 (2001) 795.
21. Structural Characterization and Activities of Titania Supported Iron (III) Oxide Catalysts: Effect of  $\text{Li}^+$  Impregnation, **E. A. El-Sharkawy**, Shar S. Al-Shihry and A. M. Youssef, Materials Letters 61 (2007) 2947.
22. Preparation of Butyl Acetate Using Solid Acid Catalysts: Textural and Structural Characterization, **E. A. El-Sharkawy** and Shar S. Al-Shihry, Materials Letters 58 (2004) 2122.

23. Removal of Heavy metals via Adsorption on Activated Carbons Synthesized From Solid Wastes, M. A. Al-Omair and **E. A. El-Sharkawy**, J. Environmental Technol. 28 (2007) 443.
24. Removal of Phenol and Resorcinol via Adsorption on Activated Carbons Synthesized From Solid Wastes, M. A. Al-Omair and **E. A. El-Sharkawy**, Egyptian J. Chem., 49 (2006) 357.
25. Surface characterization and catalytic activity of sulfated tin oxide catalyst, A. S. Khder, **E.A. El-Sharkawy**, S. A. El-Hakam and A. I. Ahmed, Catalysis Commun. 9 (2008) 769.
26. Structural characterization and catalytic activity of  $\text{Al}_2\text{O}_3 - \text{AlPO}_4$  catalysts; S.A. Hassan, Awad I. Ahmed, E.A. El-Sharkawy and A. Mohammady 6th International Conference on Chemistry and its Role in Development, Mansoura, 17 – 20 April, 2001.
27. Adsorption, structure and catalytic properties of  $\text{Cr}_2\text{O}_3 - \text{AlPO}_4$  catalysts; S.A. Hassan, A.I. Ahmed, E.A. El-Sharkawy and A. Mohammady 7th International Conference on Chemistry and its Role in Development, Mansoure, 14 – 17 April, 2003.
28. Friedel-Crafts acylation of toluene using superacid catalysts in a solvent-free medium, **E. A. El-Sharkawy**, Shar S. Al-Shihry, Monatshefte für Chemie, 141 (2010) 259.

• **Projects Researches (financially Supported from Dean of Scientific Research, KFU, Saudi Arabia) :**

Principal Investigator for the research project deals with: ***Preparation of Butyl Acetate Using Solid Acid Catalysts, E. A. El-Sharkawy and Shar S. Al-Shihry***. This project was financially supported from Dean of Scientific Research at King Faisal University and finished since 2002.

Co-investigator for the research project deals with: ***Removal of pollutants via adsorption on activated carbons Synthesized from solid wastes, Mohammed A. Al-Omair and E. A. El-Sharkawy***. This project was financially supported from Dean of Scientific Research at King Faisal University and finished since 2004.

Principal Investigator for the research project deals with: ***Friedel Crafts Alkylation – Acylation using super acid catalysts, E. A. El-Sharkawy and Shar S. Al-Shihry***. This project was financially supported from Dean of Scientific Research at King Faisal University.

Principal Investigator for the research project deals with: ***Oxidation of amine derivatives and carbohydrates on nanostructural metal oxide catalysts, E. A. El-Sharkawy and Shar S. Al-Shihry***. This project was financially supported from Dean of Scientific Research at King Faisal University.

- **Thesis Supervision:**

**Demonstrator:** K. M. Al-Amer; Msc: **Thesis Title:** *Comparative Studies for the Removal of Pollutants Via Adsorption and Photocatalytic Degradation*, College of Education for girls, Al-Hassa, Saudi Arabia; awarded 2006.

**Chemist:** Ayman Al-Mohammady: **Thesis Title:** Surface and Catalytic properties of Aluminium Phosphate supported metal oxide catalysts, awarded 2005 (Mansoura University, Egypt).

- **Conferences and membership:**

- 27/11-1/12/2004, International Conference on Chemistry and Industry, Future Trends for the Third Millennium, College of Science, Chemistry Department, King Saud University.
- Catalysis Symposium in Gulf Cooperation Countries, College of Science, Chemistry Department, King Saud University, 2002.
- 7-12 May 2001, 4<sup>th</sup> International Conferences in Acid and Base Catalysis, Ehime University, Matsuyama, Japan.
- 17-20 April 2001, 6<sup>th</sup> International Conference in Chemistry and its Role in Development, Mansoura University, Mansoura, Egypt.
- 8-10 April 2001, 4<sup>th</sup> International Conference in Chemistry and its Role in Development, Mansoura University, Mansoura, Egypt.
- 2-7 Nov. 1996, Scientific Six Week, Aleppo University, Syria.
- 30 Nov. – 2 Dec. 1998, 1<sup>th</sup> International Conference in Material Science, College of Science, Chemistry Department, King Saud University.
- Membership of Catalysis and Surface Chemistry Association, Egypt.
- Referee for: J. Fuel, USA; J. Separation Science and Technology, USA; J. KSU, Saudi Arabia; The annual projects of KAST, Saudi Arabia.
- Post doctor fellowship at Catalysis Research Center (CRC), Hokkaido University, Sapporo, Japan, 1995-1996

- **Course Training:**

- Training course in Quality Assurance and Accreditation (QAAP), Egypt
- 5 training courses in Faculty and Leadership Development Project (FLDP), Egypt
- Workshop for Quality Assurance and Accreditation (QAAP), KFU, Saudi Arabia
- Workshop for Strategic Planning, KFU, Saudi Arabia
- Workshop for preventive measures in teaching, KFU, Saudi Arabia.
- Workshop for electronic Library, KFU, Saudi Arabia.

### **How to Contact**

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