



## Curriculum Vitae

### Personal Data

|                                 |                                                                                                                                                                                                                                                                                                                     |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                     | Shar Saad Al-Shihry                                                                                                                                                                                                                                                                                                 |
| <b>Address</b>                  | King Faisal University, College of Science                                                                                                                                                                                                                                                                          |
| <b>Interested Research Area</b> | <ul style="list-style-type: none"> <li>❖ Synthesis of Organic photochromic systems and color chemistry.</li> <li>❖ Polymer chemistry.</li> <li>❖ Catalysis in organic synthesis.</li> <li>❖ Synthesis of novel biologically active compounds.</li> <li>❖ Natural products Isolation and identifications.</li> </ul> |

### Academic Appointments:

2002-2010: Dean of the College of Science, King Faisal University, Saudi Arabia

| Name & Address of Employer | Position or Rank    | From      |      | To        |      |
|----------------------------|---------------------|-----------|------|-----------|------|
|                            |                     | Month     | Year | Month     | Year |
| King Faisal University     | Professor           | September | 2005 | Till now  |      |
| King Faisal University     | Associate Professor | April     | 2001 | September | 2005 |
| King Faisal University     | Assistant Professor | November  | 1993 | April     | 2001 |
| King Faisal University     | lecturer            | September | 1986 | November  | 1993 |
| King Faisal University     | Demonstrator        | June      | 1982 | September | 1993 |

### Scientific Qualifications:

|             |                                                                              |
|-------------|------------------------------------------------------------------------------|
| 1978 - 1982 | B. Sc.: (Chemistry), College of Science, King Saud University, Saudi Arabia. |
| 1983 - 1986 | M. Sc.: (Chemistry), University of Bridgeport, CT, USA.                      |
| 1990-1993   | Ph. D. : University of Wales, Cardiff, UK                                    |
|             | Title of the Ph. D. Thesis "Optically Active Photochromic Fulgides"          |

### Publication

1. Spectroscopic studies on the inclusion complex formation between 7-iodo-8-hydroxyquinoline-5-sulfonic acid and  $\beta$ -cyclodextrin, Ayman A. Abdel-Shafi and Shar S. Al-Shihry, *J. Inclusion Phenomena and Macrocyclic Chemistry*, 7-11, Volume 68. (2010).
2. Synthesis and Reactions of Some New Benzopyranone Derivatives with Potential Biological Activities, El-Sayed I. El-Desoky, Shar S. Al-Shihry, *ChemInform Abstract*, 40, issue 15, (2009).
3. Biological Activity of a phloroglucinol glucoside derivative from *connyza aegyptiaca*, Ahmed A. Mahmoud, Shar S. Al-Shihry, and Mohamed Elamir F. Hegazy, *Z. Naturforsch.* 64c, 513-517 (2009).

4. Spectroscopic studies on the inclusion complex formation between 7-iodo-8-hydroxyquinoline-5-sulfonic acid and *b*-cyclodextrin, Ayman A. Abdel-Shafi, Shar S. Al-Shihry, *J. Incl. Phenom Macrocycl Chem.* DOI 10.1007/s10847-009-9661-3, (2009).
5. Mn(II), Co(II), Zn(II), Fe(III) and U(VI) complexes of 2-acetylpyridine 4N-(2-pyridyl) thiosemicarbazone (HAPT); structural, spectroscopic and biological studies, Usama El-Ayaan a,b, Magdy M. Youssef, Shar Al-Shihry, *Journal of Molecular Structure.* **936**, 213-219. (2009).
6. New Synthetic Routes to Furochromones and furoflavones *El-Sayed I. El-Desoky and Shar S. Al-Shihry* (In press).
7. Fluorescence enhancement of 1-naphthol-5-sulfonate by forming inclusion complex with- cyclodextrin in aqueous solution. Abdel-Shafi, AA. And Al-Shihry, SS. *Spectrochimica Acta Part A* 72 (3): 533-537, 2009.
8. Synthesis and Reactions of Some New Benzopyranone Derivatives With Potential Biological Activities. El-Sayed I. El-Desoky and Shar S. Al-Shihry *J. Heterocyclic Chem.*, 2008, Volume 45, pp. 1855-1864.
9. Photophysical properties, excitation energy transfer and laser activity of 3-(4'-dimethyl-aminophenyl)-1-(2-pyridinyl) prop-2-en-1-one (DMAPP). A new potential laser dye. S. A. El-Daly, M. Gaber, S. S. Al-Shihry and Y. S. El Sayed, *J. Photochem. Photobiol. A: Chem.*, available online.
10. Solvatochromism, DNA binding, antitumor activity and molecular modeling study of mixed-ligand copper(II) complexes containing the bulky ligand: Bis[N-(p-tolyl)imino]acenaphthene. Usama El-Ayaan , Alaa A-M Abdel-Aziz , Shar Al-Shihry, *Eur J Med Chem.* 2007 Mar 2; 17428583.
11. A new Ionone Glucoside and Terpenoid Constituents from *Achillea biebersteinii* and their Antifungal Activity” Ahmed A. Mahmoud; Shar S. Al-Shihry *Natural Product Communications* (NPC) 2006; Vol. 1 No. 9., pp. 697 – 703.
12. Physicochemical Properties of the Co<sub>3</sub>O<sub>4</sub>/Al<sub>2</sub>O<sub>3</sub>, Ag<sub>2</sub>O/Al<sub>2</sub>O<sub>3</sub> and Ag<sub>2</sub>O–Co<sub>3</sub>O<sub>4</sub>/Al<sub>2</sub>O<sub>3</sub> Systems and their Catalytic Activities towards Acid–Base and Redox Reactions. E.A. El-Sharkawy, Shar S. Al-Shihry and A.M. Youssef. *E.A. El- Adsorption Science & Technology* Vol. 24 No. 8 2006, 657-672.
13. (5-Methylisoxazol-3-yl)[2-(5-methylisoxazol-3-yl)-2,3-dihydro-1H-isoindol-1-ylidene]amine, *Acta Cryst.* (2006). E62, 2226-2228.
14. Spectrophotometric and electrical studies of charge transfer complexes of 2-amino-1,3,4-thiadiazole with  $\pi$  –acceptors. *Spectrochimica Acta Part A* 62,(1-3) p. 526, (2005).
15. A new heterocyclic glucoside from the fruits of *Xanthiumpungens*. Ahmed A. Mahmoud, Ahmed A. Ahmed, Shar S. Al-Shihry, Otmar Spring, *Natural Product Research*, Volume 19, 6, 585 – 589, 2005.
16. Diterpenoid quinones from Rosemary (*Rosmarinus officinalis* L.) Ahmed A. Mahmoud, Shar S. AL-Shihry and Byeng W. Son. *Phytochemistry*, Volume 66, Issue 14, 1685-1690 2005.
17. Cobalt (II), Nickel (II) and Copper (II) complexes of Carbohydrazide and Its Arylidene Derivatives. M. Gaber, Shar S. Al-Shihry, *KFU Sci. J.* 5, 181-195, 2004.
18. Spectroscopic studies of inclusion complexes of 1-naphthol-4-sulfonate with  $\beta$ -cyclodextrin in aqueous solution *Spectrochimica Acta Part A* 61, 2439-2443, 2005.
19. Synthesis of substituted stilbenes via Knoevenagel condensation. Shar Saad Al-Shihry.

- Molecules*, 9, 658–665. 2004.
20. Preparation of butyl acetate using solid acid catalysts: textural and structural characterization. *Materials Letters*, 58, 2122-2127. 2004
  21. A new heterocyclic glucoside from the fruits of *xanthium pungens*. *Natural product Research*, Vol.19, No. 6, 585-589. 2005.
  22. Spectral studies on charge transfer complexes between (*E*)dicyclopropylmethylene-(2,5-dimethyl-3-furylethyldiene)succinic anhydride and  $\pi$ -acceptors *Molecular Crystals and Liquid Crystals*.
  23. Structural and Catalytic Activity of V<sub>2</sub>O<sub>5</sub>-Supported on AlPO<sub>4</sub> Catalysts. Mohamed M. M. Abd El-Wahab, Abd El-Aziz A. Said, Shar S. Al-Shihry, *Monatshefte Fur Chemie*, 135, 357-370 (2004).
  24. Synthesis and Spectral studies of Schiff bases of 2-amino-5-mercapto-1,3,4-thiadiazole. *KFU Sci. J.* Vol. 6, No. 2, 77-83, 2005.
  25. Catalytic Reaction of 1-butanol over AlPO<sub>4</sub> catalysts induced by B<sub>2</sub>O<sub>3</sub>. E. A. El-Sharkawy, Shar S. Al-Shihry and A. I. Ahmed. *Adsorption Science & Technology*, 21 (10)-64 p.863-882. (2004).
  26. Synthesis and study of Organic Semiconductor for Charge Transfer Complexes. Shar S. Al-Shihry, M. Gaber and F. A. Abdel-Wahab. *J. Saudi Chem. Soc.*; Vol. 7, No. 3; 347-352, (2003).
  27. Structural and Catalytic Activity of V<sub>2</sub>O<sub>5</sub>-Supported on AlPO<sub>4</sub> Catalysts. Mohamed M. M. Abd El-Wahab, Abd El-Aziz A. Said and Shar S. Al-Shihry. *Monatshefte für Chemie / Chemical Monthly*, Volume 135, Number 4, 2004, pp. 357 – 370.
  28. Synthesis and Crystal structure of overcrowded non-photochromic Organometallic fulgide. Shar S. Al-Shihry, *Sci. and Tech., Sultan Qaboos University*, 8, 115, 2003.
  29. (*E*)-2-(2-Adamantylidene)-3-(1-ferrocenylethylidene)succinic anhydride. Shar S. Al-Shihry and Anthony Linden, *Acta Cryst.*, C59, 41-42, 2003.
  30. Complexing Behaviour of Naphthylidene Sulfamethazine Schiff Base Ligand Towards Some Metal Ions. M. Gaber, H. E. Mabrouk , Shar S. Al-Shihry, *Egypt J. hem.* 44, No. 4-6, P. 191-200, 2001.
  31. Formation and synthetic use of novel extended enolate of triacetic acid lactone methyl ether. Younis M. H. Younis and Shar S. Al-Shihry. *J. Saudi Chem. Soc.*; 4, No. 3, 291-300, 2000.
  32. Friedel-Crafts Cyclization of Succinic Half-ester Derivatives. Shar S. Al-Shihry, *King Faisal University Scientific Journal*, 1, 1-14, 2000.
  33. Synthesis of 3,4-Bis(fluorenylidene)-5-(4-florophenylcyanomethylene)tetra-hydrofuran-2-one and the X-ray Structure of it's Cyclised form. Shar S. Al-Shihry. *J. Chem. Research (S)*, 526-527, 2000.
  34. New class of photochromic heterocyclic compounds. Shar S. Al-Shihry, *J. King Saud Univ. Science Vol. 13*, (1&2), 36-46, 2000.
  35. Triacetic Acid Lactone Methyl Ether as Natural Products Synthon. *Aust. J. Chem.*, 2000, 53, 589-591.
  36. African Cucurbita Pepo L. : Properties of seed and variability in fatty acid composition of seedoil. Younis M. Younis, Seniat Ghirmay, Shar S. Al-Shihry. *Journal of Phytochemistry*, 54, 71-75, 2000.
  37. Role of the acidic- basic characters of some metal oxides in the pyrolysis of ammonium perchlorate. S. A. Halawy and S. S. Al-Shihry. *Journal of Thermal Analysis and calorimetry*. Vol. 55, 833-840, 1999.

38. The Retardation Effect of NiO on the Activity of Different Supports During the Decomposition of Isopropanol. S. A. Halawy and S. S. Al-Shihry. *Bull. Fac. Sci., Assiut Univ.* Vol. 27 (2-B) pp. 11-22, 1998.
39. Absorption and distribution of  $^{125}\text{I}$ -iodocholesterol in tissues of normal and hypercholesterolemic rates. Shar S. Al-Shihry and Salah A. Osman. *J. Saudi Chem. Soc.*; 2, No. 2, 81-90, 1998.
40. Gas-phase decomposition of formic acid over  $\text{Fe}_2\text{O}_3$  catalysts. Samih A. Halawy, Shar S. Al-Shihry, and Mohamed A. Mohamed. *Catalysis Letters*. 48, 247-251, 1997.
41. Oxidative addition reaction of  $\text{SnCl}_2$  with some familiar Schiff bases. Shar S. Al-Shihry, and Hassan E. Mabrouk. *International Jour. Chem.* Vol. 7 No. 263-70, 1996.
42. Unsupported  $\text{MoO}_3\text{-Fe}_2\text{O}_3$  catalysts: characterization and activity during 2-propanol decomposition. Shar S. Al-Shihry, Samih A. Halawy, *Journal of Molecular Catalysis A: Chemical* 113, 479-487, 1996.
43. New Photochromic Fulgides For data storage. A chapter in The Photochemistry and Polymeric System (a book), Eds. J.M Kelly, C. M. Mc. Ardle and M. J. De S. Maunder, *Royal Society of Chemistry*, 1993, 156.

#### • **Conferences & Presentation**

1. International XXII IUPAC symposium on photochemistry, Ferrara, Italy. July, 2010.
2. International XXII IUPAC symposium on photochemistry, Gotenburg, Sweden. August, 2008.
3. The third Saudi Science conference, King Saud University, Riyadh, S.A. 2007.
4. International XXI IUPAC symposium on photochemistry, Kyoto, Japan. April 2006.
5. The second Saudi Science conference, King Abdulaziz University, Jeddah, S.A. 2004
6. 4<sup>th</sup> International Symposium on photochromism. Perdeux-1 University, Arcachon, France. 2004.
7. The 15<sup>th</sup> International Conference on solid state organic chemistry, Max-Blank Institute, Mainz, Germany. 2001.
8. 7<sup>th</sup> Ibn Sina International Conference on pure and applied heterocyclic chemistry, Alexandria, Egypt. 2000.
9. Second International Conference on Chemistry, Doha, Qatar, 1999.
10. International Conference on stereochemistry, University of Sheffield, UK 1993.
11. The first International Conference on Photochemistry, Reading Universty, UK. 1992.
12. The Royal Chemistry Society Conference on heterocyclic chemistry, loughborough University. UK. 1992.

## **\*Books Editing**

"Chemistry of Petroleum and Organic Polymers". Published By King Faisal University. Center of Translation, Editing and publishing; **2004**; *Editors:.* Shar S. Al-Shihry and Younis M. Al-Hassan.

### **• Course Training**

- **Effective Leadership for Persuading & Influencing Others.** By EuroMatech. February, 2006.
- **Effective Leadership.** By Institute of Public Administration, Dammam. May 2006.
- **CreativeLeadership.** By EuroMatech. April, 2005.

## **How to Contact**

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