

Personal Details

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Summary

December 2016 – Till date – Associate Professor, Department of Chemistry,
*Working in the field of **Material Sciences [Nano-material synthesis] and Catalytic applications***

December 2016 – Till date – Assistant Editor, Journal of Saudi Chemical Society.

December 2016 – Till date – Editorial Board Member, The Scientific Pages of Nanotechnology

October 2008 – December 2016 - Assistant Professor, Department of Chemistry, King Saud University

August 2015 – Till date – Editorial Board Member, International Journal of Modern Chemistry and Applied Science

December 2012 – December 2016 – Editorial Assistant, Journal of Saudi Chemical Society.

June 2012 - August 2012 - Visiting Associate, California Institute of Technology, USA
*in the field of **Fuel Cell Material Studies and trained on SEM (Scanning Electron Microscope).***

5 years (March 2002 -December 2007) of varied lab experience as a fellow researcher
*in the field of **Biotransformation and Medicinal Chemistry.***

1 year (March 2001-March 2002) of lab experience as a fellow researcher
*in the field of **Supramolecular chemistry and protein isolation.***

1 year (December 1999 – December 2000) of lab experience as a fellow researcher
*in the field of **isolation of natural products.***

Educational Qualifications

(Ph.D.) Chemistry

Design and Synthesis of New Molecules Based On Dihydropyrimidones,
Naphthalimides And Coumarins Scaffolds And Their Biological Evaluation
2008 Jawaharlal Nehru Technological University, Hyderabad

M.Sc. (Masters of Science) Organic Chemistry

First Division, April 2000
Osmania University, Hyderabad

B.Sc. (Bachelor of Science) Math's, Physics, Chemistry

First Division, March 1994

Osmania University, Hyderabad

Duties Performed and Courses Taught

- General Chemistry: Chem-101, Chem-103, Chem 145.
- Guided 8 M.Sc. Students towards their dissertation.
- Presently guiding Ph.D. students.
- Capable of handling collaborative and independent research projects.
- Interpretation of spectroscopic data viz., NMR, IR, UV, MS, XRD, TGA, DSC....
- Experienced in the preparation of research reports, research projects and manuscripts for publications.

Publications

- Mohamed E. Assal, Mufsir Kuniyil, Mujeeb Khan, Abdulrahman Al-Warthan, Mohammed Rafiq H. Siddiqui, Wolfgang Tremel, Muhammad Nawaz Tahir, **Syed Farooq Adil**: *Synthesis and Comparative Catalytic Study of Zirconia-MnCO₃ or -Mn₂O₃ for the Oxidation of Benzylic Alcohols*. ChemistryOpen 12/2016; DOI:10.1002/open.201600116
- Mohammed Rafi Shaik, Ghadeer H. Albalawi, Shams Tabrez Khan, Merajuddin Khan, **Syed Farooq Adil**, Mufsir Kuniyil, Abdulrahman Al-Warthan, Mohammed Rafiq H Siddiqui, Hamad Z. Alkhathlan, Mujeeb Khan: *"Miswak" Based Green Synthesis of Silver Nanoparticles: Evaluation and Comparison of Their Microbicidal Activities with the Chemical Synthesis*. Molecules 11/2016; 21(11). DOI:10.3390/molecules21111478
- Mohammad Azam, Sourabh Dwivedi, Saud I. Al-Resayes, **S.F. Adil**, Mohammad Shahidul Islam, Agata Trzesowska-Kruszynska, Rafal Kruszynski, Dong-Ung Lee: *Cu(II) salen complex with propylene linkage: An efficient catalyst in the formation of CX bonds (X = N, O, S) and biological investigations*.
- Abdallah M. Elgorban, Abd El Rahim M. El Samawaty, Omar H. Abd Elkader, Mohamed A. Yassin, Shaban R. M. Sayed, Mujeeb vKhan, **Syed Farooq Adil**: *Bioengineered silver nanoparticles using Curvularia pallescens and its fungicidal activity against Cladosporium fulvum*. Saudi Journal of Biological Sciences 10/2016; DOI:10.1016/j.sjbs.2016.09.019
- Mujeeb Khan, Ghadeer H. Albalawi, Mohammed Rafi Shaik, Merajuddin Khan, **Syed Farooq Adil**, Mufsir Kuniyil, Hamad Z Alkhathlan, Abdulrahman AlWarthan, Mohammed Rafiq H Siddiqui: *Miswak Mediated Green Synthesized Palladium Nanoparticles as Effective Catalysts for the Suzuki Coupling Reactions in Aqueous Media*. Journal of Saudi Chemical Society 03/2016; DOI:10.1016/j.jscs.2016.03.008
- Merajuddin Khan, Mujeeb Khan, Abdulhadi H. Al-Marri, Abdulrahman Al-Warthan, Hamad Z. Alkhathlan, Mohammed Rafiq, H Siddiqui, Vadithe Lakshma Nayak, Ahmed Kamal, **Syed F. Adil**: *Apoptosis inducing ability of silver decorated highly reduced graphene oxide nanocomposites in A549 lung cancer*. International Journal of Nanomedicine 03/2016; 2016(Issue 1). DOI:10.2147/IJN.S100903

- Ravi Varala, Venugopalarao Narayana, Sripad R. Kulakarni, Mujeeb Khan, Abdulrahman Alwarthan, **Syed F. Adil**: *Sulfated Tin Oxide (STO)-Structural Properties & Application in Catalysis: A Review*. Arabian Journal of Chemistry 03/2016; 9(4). DOI:10.1016/j.arabjc.2016.02.015
- Mohammed Rafi Shaik, Mufsir Kuniyil, Mujeeb Khan, Naushad Ahmad, Abdulrahman Al-Warthan, Mohammed Rafiq H. Siddiqui, **Syed Farooq Adil**: *Modified Polyacrylic Acid-Zinc Composites: Synthesis, Characterization and Biological Activity*. Molecules 02/2016; 21(292). DOI:10.3390/molecules21030292
- Abdulhadi H. Al-Marri, Merajuddin Khan, Mohammed Rafi Shaik, Nils Mohri, **Syed Farooq Adil**, Mufsir Kuniyil, Hamad Z. Alkhathlan, Abdulrahman Al-Warthan, Wolfgang Tremel, Muhammad Nawaz Tahir, Mujeeb Khan, Mohammed Rafiq H. Siddiqui: *Green synthesis of Pd@graphene nanocomposite: Catalyst for the selective oxidation of alcohols*. Arabian Journal of Chemistry 12/2015; DOI:10.1016/j.arabjc.2015.12.007
- Ashraf A Mostafa, Shaban R M Sayed, Essam N Solkamy, Mujeeb Khan, Mohammed Rafi Shaik, Abdulrahman Al-Warthan, **Syed Farooq Adil**: *Evaluation of Biological Activities of Chemically Synthesized Silver Nanoparticles*. Journal of Nanomaterials 12/2015; 2015(789178). DOI:10.1155/2015/789178
- Abdallah Mohamed Elgorban, Abd El-Rahim Mohamed El-Samawaty, Mohamed Abdallah Yassin, Shaban Rushdy Sayed, **Syed Farooq Adil**, Mujeeb Khan: *Antifungal silver nanoparticles: Synthesis, characterization and biological evaluation*. Biotechnology & Biotechnological Equipment 11/2015; 30(1). DOI:10.1080/13102818.2015.1106339
- Mujeeb Khan, Abdulhadi H Al-Marri, Merajuddin Khan, Mohammed Rafi Shaik, Nils Mohri, **Syed Farooq Adil**, Mufsir Kuniyil, Hamad Z Alkhathlan, Abdulrahman Al-Warthan, Wolfgang Treme, Muhammad Nawaz Tahir, Mohammed Rafiq H Siddiqui: *Green Approach for the Effective Reduction of Graphene Oxide Using Salvadora persica L. Root (Miswak) Extract*. Nanoscale Research Letters 07/2015; 10(281). DOI:10.1186/s11671-015-0987-z
- Mujeeb Khan, Muhammad Nawaz Tahir, **Syed Farooq Adil**, Hadayat Ullah Khan, Rafiq H Siddiqui, Abdulrahman Abdullah Al-Warthan, Wolfgang Tremel: *Graphene based metal and metal oxide nanocomposites: synthesis, properties and their applications*. Journal of Materials Chemistry A 06/2015; DOI:10.1039/C5TA02240A
- Mohammad Mansoob Khan, **Syed Farooq Adil**, Abdullah Al-Mayouf: *Metal oxides as photocatalysts*. Journal of Saudi Chemical Society 05/2015;
- Mohammad Mansoob Khan, **Syed Farooq Adil**, Abdullah Al-Mayouf: *Metal Oxides as Photocatalysts*. Journal of Saudi Chemical Society 05/2015; 1. DOI:10.1016/j.jscs.2015.04.003
- S.S.P. Sultana, D.H.V. Kishore, Mufsir Kuniyil, Mujeeb Khan, Abdulrahman Alwarthan, K.R.S. Prasad, Joselito P. Labis, **S.F. Adil**: *Ceria Doped Mixed Metal Oxide Nanoparticles as Oxidation Catalysts: Synthesis and their Characterization*. Arabian Journal of Chemistry 05/2015; 10(6). DOI:10.1016/j.arabjc.2015.05.008
- **Syed F Adil**, Saad Alabbad, Mufsir Kuniyil, Mujeeb Khan, Abdulrahman Alwarthan, Nils Mohri, Wolfgang Tremel, Muhammad Nawaz Tahir, Mohammed Rafiq Hussain Siddiqui: *Vanadia supported on nickel manganese oxide nanocatalysts for the catalytic oxidation of aromatic alcohols*. Nanoscale Research Letters 02/2015; 10(1). DOI:10.1186/s11671-015-0750-5

- **Syed Farooq Adil**, Mohamed E Assal, Mujeeb Khan, Abdulrahman Al-Warthan, Mohammed Rafiq H Siddiqui, Luis M Liz-Marzán: *Biogenic synthesis of metallic nanoparticles and prospects toward green chemistry*. Dalton Transactions 01/2015; DOI:10.1039/c4dt03222e
- Abdulhadi H Al-Marri, Mujeeb Khan, Merajuddin Khan, **Syed F Adil**, Abdulrahman Al-Warthan, Hamad Z Alkhathlan, Wolfgang Tremel, Joselito P Labis, Mohammed Rafiq, H Siddiqui, Muhammad N Tahir: *Pulicaria glutinosa Extract: A Toolbox to Synthesize Highly Reduced Graphene Oxide-Silver Nanocomposites*. International Journal of Molecular Sciences 01/2015; 16(2015). DOI:10.3390/ijms16011131
- Assem Barakat, Hany J Al-Najjar, Abdullah M Al-Majid, **Syed F Adil**, Mohamed Ali, Vijay H Masand, Hazem A Ghabbour, Hoong-Kun Fun: *Synthesis, X-ray Diffraction, Thermogravimetric and DFT Analyses of Pyrimidine Derivatives*. Molecules 11/2014; 19(11). DOI:10.3390/molecules191117187
- Mujeeb Khan, Shams Tabrez Khan, Merajuddin Khan, **Syed Farooq Adil**, Javed Musarrat, Abdulaziz A Al-Khedhairi, Abdulrahman Al-Warthan, Mohammed Rafiq H Siddiqui, Hamad Z Alkhathlan: *Antibacterial properties of silver nanoparticles synthesized using Pulicaria glutinosa plant extract as a green bioreductant*. International Journal of Nanomedicine 07/2014; 9(1). DOI:10.2147/IJN.S61983
- Mujeeb Khan, Abdulhadi H. Al-Marri, Merajuddin Khan, Nils Mohri, **Syed Farooq Adil**, Abdulrahman Al-Warthan, Mohammed Rafiq H. Siddiqui, Hamad Z. Alkhathlan, Rüdiger Berger, Wolfgang Tremel, Muhammad Nawaz Tahir: *Pulicaria glutinosa plant extract: A green and eco-friendly reducing agent for the preparation of highly reduced graphene oxide*. RSC Advances 06/2014; 4(46). DOI:10.1039/c4ra01296h
- Ahmed Kamal, Jaki R Tamboli, V Lakshma Nayak, S.F. Adil, M.V.P.S. Vishnuvardhan, S Ramakrishna: *Synthesis of a terphenyl substituted 4-aza-2,3-didehydropodophyllotoxin analogues as inhibitors of tubulin polymerization and apoptosis inducers*. Bioorganic & medicinal chemistry 03/2014; 22(9). DOI:10.1016/j.bmc.2014.03.021
- Mujeeb Khan, Merajuddin Khan, Mufsir Kuniyil, **Syed Farooq Adil**, Abdulrahman Al-Warthan, Hamad Z Alkhathlan, Wolfgang Tremel, Muhammad Nawaz Tahir, Mohammed Rafiq H Siddiqui: *Biogenic synthesis of palladium nanoparticles using Pulicaria glutinosa extract and their catalytic activity towards the Suzuki coupling reaction*. Dalton Transactions 03/2014; 43(24). DOI:10.1039/c3dt53554a
- Saad Alabbad, S.F. Adil, M.E. Assal, Mujeeb Khan, Abdulrahman Alwarthan, M.Rafiq H. Siddiqui: *Gold & Silver Nanoparticles Supported on Manganese Oxide: Synthesis, Characterization and Catalytic Studies for Selective Oxidation of Benzyl Alcohol*. Arabian Journal of Chemistry 02/2014; 7(6). DOI:10.1016/j.arabjc.2014.02.007
- Saad Alabbad, S.F. Adil, Abdulrahman Alwarthan, M. Rafiq H. Siddiqui: *Liquid Phase Selective Oxidation of Aromatic Alcohols Employing Nanoparticles of Zirconia Supported on Nickel Manganese Oxide: Synthesis, Characterization and Catalytic Evaluation*. Asian Journal of Chemistry 11/2013; 25(16). DOI:10.14233/ajchem.2013.14911
- M. Rafiq H. Siddiqui, **S.F. Adil**, K. Nour, M.E. Assal, A. Al-Warthan: *Ionic liquid behavior and high thermal stability of silver chloride nanoparticles: Synthesis and characterization*. Arabian Journal of Chemistry 10/2013; 6(4). DOI:10.1016/j.arabjc.2013.05.005

- Ahmed Kamal, Jaki R Tamboli, M Janaki Ramaiah, **S.F. Adil**, S.N.C.V.L. Pushpavalli, Raksha Ganesh, Pranjali Sarma, Utpal Bhadra, Manika Pal-Bhadra: *Quinazolino linked 4 β -amidopodophyllotoxin conjugates regulate angiogenic pathway and control breast cancer cell proliferation*. *Bioorganic & medicinal chemistry* 09/2013; 21(21). DOI:10.1016/j.bmc.2013.08.051
- Roushown Ali, **S.F. Adil**, Abdulrahman Al-warthan, M. Rafiq H. Siddiqui: *Identification of Active Phase for Selective Oxidation of Benzyl Alcohol with Molecular Oxygen Catalyzed by Copper-Manganese Oxide Nanoparticles*. *E-Journal of Chemistry* 07/2013; 2013(3). DOI:10.1155/2013/367261
- Mujeeb Khan, Merajuddin Khan, **Syed Farooq Adil**, Muhammad Nawaz Tahir, Wolfgang Tremel, Hamad Z Alkhathlan, Abdulrahman Al-Warthan, Mohammed Rafiq H Siddiqui: *Green synthesis of silver nanoparticles mediated by Pulicaria glutinosa extract*. *International Journal of Nanomedicine* 04/2013; 8. DOI:10.2147/IJN.S43309
- Ahmed Kamal, Jaki R Tamboli, V Lakshma Nayak, **S.F. Adil**, M.V.P.S. Vishnuvardhan, S Ramakrishna: *Synthesis of pyrazolo[1,5-a]pyrimidine linked aminobenzothiazole conjugates as potential anticancer agents*. *Bioorganic & medicinal chemistry letters* 04/2013; 23(11). DOI:10.1016/j.bmcl.2013.03.129
- Mujeeb Khan, **S.F. Adil**, M. E. Assal, A. AL-WARTHAN, M. RAFIQ H. SIDDQUI: *Nano silver-doped manganese oxide as catalyst for oxidation of benzyl alcohol and its derivatives: Synthesis, characterisation, thermal study and evaluation of catalytic properties*. *Oxidation Communications* 01/2013; 36(3).
- Ahmed Kamal, Jaki R Tamboli, M V P S Vishnuvardhan, S F Adil, V Lakshma Nayak, S Ramakrishna: *Synthesis and anticancer activity of heteroaromatic linked 4 β -amido podophyllotoxins as apoptotic inducing agents*. *Bioorganic & medicinal chemistry letters* 11/2012; 23(1). DOI:10.1016/j.bmcl.2012.10.099
- Ahmed Kamal, Jaki R Tamboli, M Janaki Ramaiah, S F Adil, G. Koteswara Rao, A Viswanath, Adla Mallareddy, S N C V L Pushpavalli, Manika Pal-Bhadra: *Anthranilamide-Pyrazolo[1,5-a]pyrimidine Conjugates as p53 Activators in Cervical Cancer Cells*. *ChemMedChem* 06/2012; 7(8). DOI:10.1002/cmdc.201200205
- M. rafiq h. Siddiqui, I. Warad, **S.F. Adil**, R. M. Mahfouz, Abdullah Al-Arifi: *nano-gold Supported nickel manganese oxide: Synthesis, characterisation and evaluation as oxidation catalyst*. *Oxidation Communications* 01/2012; 35(2).
- Ahmed Kamal, **S.F. Adil**, Jaki R. Tamboli, B. Siddardha, U. S.N. Murthy: *Synthesis of Cyclodextrin Derivatives of Amino-(thiazolyl) Coumarins as Potential Antimicrobial Agents*. *Letters in Drug Design & Discovery* 11/2010; 7(9). DOI:10.2174/157018010792929559
- Ahmed Kamal, **S.F. Adil**, Jaki R. Tamboli, B. Siddardha, U. S.N. Murthy: *Synthesis of Coumarin linked Naphthalimide Conjugates as Potential Anticancer and Antimicrobial Agents*. *Letters in Drug Design & Discovery* 04/2009; 6(3). DOI:10.2174/157018009787847855
- Ahmed Kamal, **S.F. Adil**, Jaki R. Tamboli, B. Siddardha, U. S.N. Murthy: *Synthesis and Anticancer Activity of Phthalimido and Naphthalimido Substituted Dihydropyrimidone Conjugates*. *Letters in Drug Design & Discovery* 06/2008; 5(4). DOI:10.2174/157018008784619933
- Ahmed Kamal, **S.F. Adil**, M Arifuddin: *Ultrasonic activated efficient method for the cleavage of epoxides with aromatic amines*. *Ultrasonics Sonochemistry* 09/2005; 12(6). DOI:10.1016/j.ultsonch.2004.08.002

- Ahmed Kamal, Mahendra Sandbhor, Kaleem Ahmed, **S.F. Adil**, Ahmad Ali Shaik: *Chemoenzymatic synthesis of enantiomerically pure terminal 1,2-diols*. Tetrahedron Asymmetry 12/2003; 14(24). DOI:10.1016/j.tetasy.2003.09.035

Patents

- *“Methods for Preparing Metal Oxide Nanoparticles”*
WO2012155931 (A1) - 2012-11-22
- *“Method for coating a substrate with silver nanoparticles”*
WO2012167804 (A1)- 2012-12-13
- *“Transesterification of used edible oil for the production of Bio-diesel”*
Patent being filed

Conferences and Symposiums

- **6th International Chemistry Conference**
Member in Organizing Committee and Oral Presentation
8-10 November 2016, Riyadh
- **12th International Conference on Frontiers of Polymers and Advanced Materials (12th ICFPAM)**
Oral Presentation, December 2013, Auckland, New Zealand.
- **4th International Conference of Chemistry**
(Took part as a member in Organizing Committee)
19-21 November 2011, Riyadh
- **KAUST Catalysis Center Opening and Symposium**
6-8 December 2010, Jeddah, Saudi Arabia
- **1st Diabetes Nanocore International Symposium**
September 28-29 2010, RIYADH, Saudi Arabia [Attendee]
- **The Fourth Saudi Science Conference -2010**
March 21-24, 2010, Al-Madina Al-Munawarah, Saudi Arabia [Poster Presented]
- **1st Saudi Student Conference**
March 1-3 2010, RIYADH, Saudi Arabia [Attendee]
- **International Conference for Nanotechnology Industry**
April 5-7, 2009, RIYADH, Saudi Arabia [Poster Presented]
- **3rd Mid-year Symposium of the Chemical Research Society of India (CRSI)**

July 25-26, 2008, National Institute of Pharmaceutical Education and Research (NIPER), S.A.S. Nagar, Punjab, INDIA.