

PERSONAL INFORMATIONS

Dr. Khalid Saeed



Date of Birth: **1st March, 1977**

Nationality: **Pakistani**

Qualification: **M. Sc, M. Phil (Pakistan), Ph.D. (Republic of Korea)**

Major: **Chemistry**

Postal Address: **Assistant Professor, Department of Chemistry, University of Malakand, Chakdara, Dir (Lower), Khyber Pakhtunkhwa, Pakistan**

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FIELD OF SPECIALIZATION: Fuel Chemistry

RESEARCH EXPERIENCE:

1) **M. Sc. Research:**

Title: **“Phsico-Chemical Properties and U.V-Analysis of Sample from Landi Kotal”**

2) **M. Phil. Research:**

Title **“Non-Aqueous Potentiometric Identification of Superficial Coal Groups”**

The thesis has been submitted to University of Peshawar in the partial fulfillment of the Degree of Master of Philosophy in Chemistry and the degree was awarded in January 2004.

3) **Ph.D. Research:**

Title “Preparation and Characterization of Electrospun Nanofibers Modified with Amidoxime and Carbon Nanotubes Incorporation”

The thesis has been submitted to Kyungpook National University, Republic of Korea, in the partial fulfillment of the requirement for the degree of Doctor of Philosophy (Ph.D.) in Polymer Science in December 2007 and the degree was awarded in February 2008.

Professional Experience:

Dec. 2008 till now: Assistant Professor in the Department of Chemistry, University of Malakand, KPK, Pakistan

March, 2008-Dec 2008: Assistant Professor in Institute of Chemical Sciences, at University of Peshawar, KPK, Pakistan.

Research Interest

- 1) **Preparation and Analysis of CNTs/Polymer Nanocomposites.**
- 2) **Preparation of Electrospun Multiwalled Carbon Nanotube/Polymer composite Nanofibers**
- 3) **Electrospun Nanofibers as a separating media/filter**
- 4) **Preparation and Analysis of Polymer Blends**
- 5) **Adsorption of toxic materials on polymeric material**

PUBLICATIONS:

	Impact Factor (2010)
1). M. Ishaq, Imtiaz Ahmed, <u>Khalid Saeed</u> , M Ismail, Ali Bahader. "Spectroscopic and Chromatographic Identification of Hydrocarbon Group Types in Pakistani Crude Oils" <i>Journal of the Chinese Chemical Society</i> , 50(5), 2003 , 1023-1029.	0.718
2). <u>K. Saeed</u> , M. Ishaq, Soo-Young Park and I. Ahmed. "Determination of Surface Acidity of Coal by Non-Aqueous Potentiometric Titration" <i>Journal of Chemical Society of the Pakistan</i> 27(6), 2005 , 631-636.	0.194
3). <u>K. Saeed</u> , M. Ishaq, I. Ahmad, M. Shakirullah, S.Y. Park, H. Khan and N. Ali "Characterization and Evaluation of Thur Coal for Different Mineral Contents" <i>Journal of the Chemical Society of Pakistan</i> , 28 (3), 2006 , 207-210.	0.194
4). <u>Khalid Saeed</u> , Soo-Young Park, Hwa-Jeong Lee and Jong-Beom Baek, Wan-Soo Huh "Preparation of Electrospun Nanofibers of Carbon Nanotubes /Polycaprolactone Composites" <i>Polymer</i> , 47(22), 2006 , 8019-8025.	3.828
5). <u>Khalid Saeed</u> and Soo-Young Park "Preparation and Properties of Multiwalled Carbon Nanotube/Polycaprolactone (MWNT/PCL) Nanocomposites" <i>Journal of Applied Polymer Science</i> , 104 (3), 2007 , 1957-1963.	1.24
6). Sajjad Haider, Soo-Young Park, <u>Khalid Saeed</u> and B.L. Farmer "Swelling and Electroresponsive Characteristics of Gelatin Immobilized onto Multi-Walled Carbon Nanotubes" <i>Sensors and Actuators B-Chemical</i> , 124 (2), 2007 , 517-528.	3.368
7). <u>Khalid Saeed</u> , M. Ishaq, Imtiaz Ahmad, Mohammad Shakirullah and Soo-Young Park "Investigation of Surface Acidity of Coal by Aqueous Potentiometric Titration" <i>Journal of the Chemical Society of Pakistan</i> , 29 (2), 2007 , 111-115.	0.194
8). <u>Khalid Saeed</u> and Soo-Young Park "Preparation of Multiwalled Carbon Nanotube /Nylon-6 (MWNT/Nylon) Nanocomposites by In-situ Polymerization" <i>Journal of Applied Polymer Science</i> , 106 (6), 2007 , 3729-3735.	1.24

- 9). Hamayun Khan, Sajjad Haider, **Khalid Saeed**, and Nauman Ali “Assessment of Potable Water Quality of Kohat Division and its Impact on Health” *Journal of the Chemical Society of Pakistan* 30 (2), **2008**, 246-250. 0.194
- 10). **Khalid Saeed**, Soo-Young Park, Sajjad Haider and Tea Jin Oh “Preparation of Amidoxime-Modified Polyacrylonitrile (PAN-Oxime) Nanofibers and their Applications to the Metal Ions Adsorption” *Journal of Membrane Science* 322(2), **2008**, 4000-4005. 3.673
- 11). **Khalid Saeed**, Soo-Young Park, Sajjad Haider and Jong-Beom Baek “*In-situ* Polymerization of Multi-Walled Carbon Nanotube/Nylon-6 Nanocomposites and Their Electrospun Nanofibers” *Nanoscale Research Letters* 4 (1), **2009**, 39–46. 2.557
- 12). **Khalid Saeed**, Soo-Young Park and Nuanman “Characterization of Poly(butylene Terephthalate) Electrospun Nanofibers Containing Titanium Oxide” *Iranian Polymer Journal* 18 (8), **2009**, 671-677. 1.189
- 13). **Khalid Saeed**, Soo-Young Park and Mohammad Ishaq “Adsorption of Multiwalled Carbon Nanotubes on Electrospun Polycaprolacton Nanofibers” *Journal of Chilean Chemical Society* 54(4), **2009**, 289-292. 0.532
- 14). Mohammad Ishaq, **Khalid Saeed**, Imtiaz Ahmad, M. Shakirullah and Said Nadeem “Removal of Tartrazine from Aqueous Solutions by Activated Coal” *Tenside Surfactants and Detergents* **2010**, (1), 7-13. 0.37
- 15). **Khalid Saeed**, and Soo-Young Park, “Preparation and properties of Multiwalled Carbon Nanotubes/Polyacrylonitrile Composite Nanofibers” *Journal of Polymer Research* **2010**, 17 (4), 535-540. 1.186
- 16). **Khalid Saeed**, M. Ishaq, Imtiaz Ahmad, Mohammad Shakirullah and Sajjad Haider “Acidic Surface Functional Groups and Mineral Elements in Lakra (Sindh, Pakistan) Coal” *Journal of the Chemical Society of Pakistan* **2010**, 32(2), 162-167. 0.194

- 17). **Khalid Saeed**, “Review on Properties, Dispersion and Toxicology of Carbon Nanotubes” *Journal of the Chemical Society of Pakistan* **2010**, 32(4), 559-564. 0.194
- 18). **Khalid Saeed**, Soo-Young Park “Preparation and Properties of PCL/PBT Blends” *Iranian Journal of Chemistry and Chemical Engineering*, **2010**, 29 (3), 77-81.
- 19). **Khalid Saeed**, Muhammad Ishaq, Muhammad Ilyas “Preparation, Morphology, and Properties of Coal Ash/Polyethylene oxide Composites” *Turkish Journal of Chemistry* **2011**, 35, 237-243. 0.758
- 20). Mohammad Ishaq, **Khalid Saeed** and Said Nadeem “Kinetics and Adsorption Isotherms for the Removal of Tartrazine from Aqueous Solution by Coal Ash” *Tenside Surfactants and Detergents* **2011** (2), 130-133. 0.37
- 21). **Khalid Saeed**, Soo-Young Park and Tea Jin Oh “Adsorption of Metal ions on Hydrazine-Modified Polyacrylonitrile Nanofibers” *Journal of Applied Polymer Science* **2011**, 121, 869–873. 1.24
- 22). Mohammad Ishaq, **Khalid Saeed** Imtiaz Ahmad, Muhammad Shakirullah Muhammad Iqbal Khan “Physico-chemical Properties of Coal samples: Coal samples Used Adsorbent for the Removal of Maleic Acid from Aqueous Solution” *Journal of the Chemical Society of Pakistan* **2011** 33 (3), 360-363. 0.194
- 23). **Khalid Saeed**, Soo-Young Park “Morphological, Mechanical and Thermal Properties of Multiwalled Carbon Nanotubes/Poly (butylene terephthalate) Nanofibers, *Iranian Polymer Journal* (Accepted for publication).
- 24). **Khalid Saeed**, Soo Young Park “Preparation and Analyses of Nnaoclay/Nylon-6 Electrospun Nanofibers” (Submitted for publication).
- 25). M. Ishaq, Tayyaba Rehman, **Khalid Saeed** “Preparation, Morphology, and Properties of Coal Ash/PMMA” (Submitted for publication).

26). Mir Azam Khan, **Khalid Saeed** , Abdullah, Waqar Ahmad, Fazal Mabood, Maqsood-ur-Rehman Sugarcane Baggasse Used an Adsorbent for the Removal of Different Pharmaceutical Drugs from Aqueous Solution (Submitted for publication).

27). Sajjad Haider, **Khalid Saeed** and Nausheen Bukhari “Preparation and morphological study of the electrospun nanofiber of MWNT/Gelatin” (Submitted).

Papers Presented /Various Conferences / Symposia / Workshops:

1) Sajjad Haider, Mohammad Javed, Nouman Ali and **Khalid Saeed** “**Analysis of Potable Water of District Kohat**” Presented in International Conference on Environmental Challenges. March 11th-13th, 2004 at Peshawar (Pakistan) p.17.

2) **Khalid Saeed**, Soo-Young Park and Jong-Beom Baek. “**Preparation of Multiwalled Carbon Nanotubes/Polycaprolactone Composite by In-situ Polymerization**” Presented in Annual Spring Meeting 14th–16th April 2005 at Seoul (South Korea) (pp.139).

3) **Khalid Saeed**, Soo-Young Park, and Jong-Beom Baek “**Preparation and Electrospinning of Multiwalled Carbon Nanotube/Polycaprolactone Nanocomposites**” Presented in Annual Fall Meeting 13th–14th September 2005 at Jaju (South Korea) (p. 669).

4) **Khalid Saeed**, Soo-Young Park, and Jong-Beom Baek. “**Preparation and Morphological Study of Multiwalled Carbon Nanotubes/Polycaprolactone Composite Nanocomposites**” Presented in 54th SPSJ Symposium on Macromolecules September 2005 (Japan).

5) **Khalid Saeed**, Soo-Young Park, and Jong-Beom Baek “**Preparation of Electrospun of Multiwalled Carbon Nanotube/Polycaprolactone Nanocomposite**” Presented in Annual Spring Meeting 6th – 7th March 2006 at Ilsan (South Korea) (pp.78).

6) **Khalid Saeed**, Soo-Young Park, “**In-Situ Polymerization of Multiwalled Carbon Nanotube/Nylon-6 Nanocomposites and their Electrospun Nanofibers**” Presented in Annual Fall Meeting, 10th – 11th October 2007 at Ilsan (South Korea) (pp.34).

7) Hamayun Khan, Sajjad Haider, **Khalid Saeed**, and Nauman Ali “**Assessment of Potable Water Quality of Kohat Division and its Impact on Health**” Presented in 18th National conference Chemical Society of Pakistan at Lahore, 25-27th February 2008.

8) **Khalid Saeed**, Soo-Young Park, and Mohammad Ishaq “**Preparation of Electrospun Multiwalled Carbon Nanotubes/Polyacrylonitrile Composite Nanofibers**” Workshop on Nanomaterials and Regional Meeting of Nanomaterials Forum at Peshawar, 23rd April, 2008.

9). **Khalid Saeed**, Soo-Young Park, “**Effect of Multi-Walled Carbon Nanotubes on the Morphology, Thermal and Mechanical Properties of Electrospun Polyacrylonitrile Nanofibers**” 9th International Seminar on Polymer Science and Technology, 17– 21th October, 2009 at Tehran, (Iran).

10). **Khalid Saeed**, **Preparation and Analyses of Nnaoclay/Nylon-6 Electrospun Nanofibers**” 2nd International Conference on Nanomechanics & Nanocomposites, ICNN-2” 10-13th October, 2010, Beijing (China).

PROJECTS:

HEC Approved Project (19, 64, 048/ PKR)

To study the Effect of Single walled carbon nanotubes on the properties of Poly (butylene terephthalate) Polymer. (Principal Investigator)

Supervisor

M. Phil

1. Mohammad Yousaf

Thesis title: *Adsorption of Phenol and Iron from Aqueous Medium using Modified Bagasse* (Completed his studies in July, 2011)

2. Nasib Khan

Thesis title: Preparation and Characterization of Multiwalled Carbon Nanotubes-Filled Polymer Blends

3. Ibrahim

Thesis title: To study the Effect of Single walled carbon nanotubes on the properties of Poly (butylene terephthalate) Polymer

4. Inayat

Thesis title: Preparation and Analyses of Clay-Filled Polymer composites

Co-supervisor

M. Sc.

1. **Muhammad Ilyas** (2009-2010)

Thesis title: *Preparation and Properties of Polyethylene Oxide and Coal Ash Composite*

2. **Tayyiba Rehman** (2009-2010)

Thesis title: *Preparation and Analyses of Polymethylmethacrylate/Ash Composite*

HONORS AND AWARDS

- 1) Doctoral Fellowship Award from Kyungpook National University (South Korea).

REFEREE (Journals)

1. Journal of the Chemical Society of Pakistan.
2. Journal of Applied Polymer Science
3. Iranian Polymer Journal
4. Polymer for Advance Technology
5. Polymer Composites
6. Applied surface Science