

PROF. DR. FARAH KANWAL

Director, School of Physical Sciences, University of the Punjab, Lahore, Pakistan.

Professor of Physical Chemistry, Institute of Chemistry, University of the Punjab, Lahore, Pakistan.

EDUCATION	YEAR	INSTITUTE
Ph.D	1995,	University of Strathclyde, UK.
M.Sc	1989,	GCU Lahore,
B.Sc	1985	Government College Jhang,
F.Sc	1982,	Govt. Girls College for Women, Sarghoda.
SSCE	1980,	Govt. Muslim High School, Multan.

PROFESSIONAL EXPERIENCE

- 1. Director, School of Physical Sciences**, since September, **2018** at the “**University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”.
- 2. Professor of Physical Chemistry** since December, **2011** at the “**Institute of Chemistry**, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)”.
- 3. Deputy Chairperson Hall Council**, since January, **2019** at the “**University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”.
- 4. Associate professor of Physical Chemistry** since **2008** at “**Institute of Chemistry, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”.
- 5. Warden/Deputy Chairperson Hall Council**, since **2008**. (Expenditure to run and deal with financial as well as administration).
- 6. Assistant Professor of Physical Chemistry** at the “**Institute of Chemistry, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”, from **2004-2008**. (Teaching physical and polymer chemistry to postgraduate and B.Sc (Hons.) students along with supervision of thesis and dissertations leading to M.Sc & PhD degrees).
- 7. Lecturer of Physical Chemistry** at the “**GC University, Lahore**” from **2000-2004**. (Teaching physical chemistry to post graduates students with supervision of thesis and dissertation leading to M.Sc. degrees. Teaching graduates and under graduates students as well).
- 8. Worked as a Lecturer/ Senior Teacher** from **1995-2000**. (Teaching to O/A level, F.Sc students at the “**Beacon- House, Pamir Knot College and Al-Hajvery Colleges and University**”.
- 9. More than nineteen years post Ph.D experience** of Teaching and Research at the **University Level**.

TRAININGS

- Cambridge University (United Kingdom) training for paper setting held at National Grammar School, Upper Mall, Lahore. **(October 1999)**
- Computer Training for faculty Development held at GC University, Lahore. **(May 2002)**
- Faculty Development Program held at University of the Punjab, Lahore. **(September 2004)**
- Faculty Development Program for Professors held at University of the Punjab, Lahore. **(November 2014)**

RESEARCH PUBLICATION

1. **Farah Kanwal**, Saadat Anwar Siddiqi, Aisha Batool, M. Imran, Waheed Mushtaq, Tahir Jamil, Synthesis of polypyrrole-Ferric Oxide (PPy-Fe₂O₃) Composites and Study of their Structural and Conducting Properties, *Synthetic Metals*, 161(3-4), **2011**, 335-339.
2. Aisha Batool, **Farah Kanwal**, Muhammad Imran, Aisha Batool, **Farah Kanwal**, Muhammad Imran, Synthesis of Polypyrrole/zinc oxide composites and study of their structural thermal and electrical properties, *Synthetic Metals*, 161 (23-24), **2012**, 2753-2758.
3. Muhammad Waheed Mushtaq, **Farah Kanwal**, Muhammad Imran, Naila Ameen, Madeeha Batool, Aisha Batool, Shahid Bashir, Syed Mustansar Abbas, Ata ur Rehman, Saira Riaz, Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye, *Materials Research Express*, 5 , **2018**, 035058.
4. Ahmad Irfan, Muhammad Nadeem, Makshoof Athar, **Farah Kanwal**, Jingping Zhan, Electronic, optical and charge transfer properties of α,α' -bis(dithieno[3,2-*b*:2',3'- *d*]thiophene) (BDT) and its heteroatom-substituted analogues, *Computational and Theoretical Chemistry*, 968 (1-3), **2011**, 8-11.
5. Muhammad Waheed Mushtaq, **Farah Kanwal**, Aisha Batool, Tahir Jamil, Muhammad Zia-ul-Haq, Bushra Ijaz, Qingrong Huang, Zaka Ullah, Polymer-coated CoFe₂O₄ nanoassemblies as biocompatible magnetic nanocarriers for anticancer drug delivery, *Journal of Materials Science*, 52(16), **2017**, 9282-9293.
6. Khalil Ahmad, **Farah Kanwal**, Shahid M. Ramay, Shahid Atiq, Asif Khan, A. Mahmood, Study of the effect of PVA on Dielectric Constant and Structure of TiO₂-Polypyrrole composites prepared by in-situ polymerization, *Digest Journal of Nanomaterials and Biostructures*, 12(3), 2017, 775-783.
7. Saira Ishaq, **Farah Kanwal**, Shahid Atiq, Mahmood Moussa, Umar Azhar, Iffrah Gul, Dusan Losic, Dielectric and impedance spectroscopic studies of three phase graphene/titania/poly(vinyl alcohol) nanocomposite films, *Results in Physics* 11, 2018, 540-548.
8. Khalil Ahmed, **Farah Kanwal**, Shahid Ramay, Shahid Atiq, Rabia Rehman, Syed Ali, Synthesis and Characterization of BaTiO₃/Polypyrrole Composites with Exceptional Dielectric Behaviour. *Polymers* 11(10), 2018, 1273.
9. Saira Ishaq, **Farah Kanwal**, Shahid Atiq Mahmood Moussa, Dusan Losic, Synthesis of three phase graphene/titania/polydimethylsiloxane nanocomposite films and revealing their dielectric and impedance properties, *Ceramics International*, 2019, 8713-8720.
10. Aisha Batool, **Farah Kanwal**, Sumreen Asim, Shahid Atiq, Saira Riaz, Shahzad Naseem, Muhammad Waheed Mushtaq, Zaka Ullah, A Thermally Stable Polypyrrole-Hematite Composites with Tunable Dielectric and Magnetic Properties, *Polymer Science, Series A*, 2019, 61(1), 112-117.

RESEARCH GRANTS

1. Project title, "Synthesis of emulsion homo-polymers and copolymers from different functional and vinyl monomers by emulsion and micro-emulsion polymerization".
Funding Agency: University of the Punjab. Research grant: 0.1 million; Year: 2008-09
2. Project title, "Synthesis and characterization of conducting polymers and their composites".
Funding Agency: University of the Punjab. Research grant: 0.15 million; Year: 2009-10
3. Project title "Synthesis and characterization of Iron Oxide/polymers nano-composites" (Submitted)
Research grant: 0.25 million; Year: 2014-15.
4. 8. Project title "Study of Structural and Electrical Properties of Various Graphene/Cobalt Ferrite/Polymer Nanocomposites" Research grant: 0.25 million; Year: 2015-16.
5. Project title "Synthesis and characterization of high dielectric constant vinyl polymers/polypyrrole composites"
Research grant: 0.2 million; Year: 2011-12.
6. Project title "Synthesis and characterization of high dielectric constant BaTiO₃/polymer composites"
Research grant: 0.2 million; Year: 2012-13.
7. Project title "Synthesis, Characterization And Study of Dielectric behaviour of Titanates/PVA/ Polypyrrole Composites" Research grant: 0.2 million Year: 2013-14.