

CURRICULUM VITAE

DR. FARAH KANWAL

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

Professor of Physical Chemistry

Institute of Chemistry, University of the Punjab, New Campus, Lahore, Pakistan.

PERSONAL DATA

Date of Birth	October 08, 1965
Nationality	Pakistani
Marital Status:	Married
Contact No:	+ 92 -42 -99230463 Ext. 820 0300-4205680
E-mail:	farahkchem@yahoo.com
Postal Address:	Institute of Chemistry University of the Punjab Quaid-e-Azam Campus Lahore (Pakistan)

EDUCATION:	YEAR	INSTITUTE
Ph.D Chemistry (Physical, Polymer)	1995,	University of Strathclyde, Glasgow U.K.
M.Sc Chemistry (Physical)	1989,	GC Lahore University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan).
B.Sc (Chemistry, Zoology, Botany)	1985,	Government College Jhang, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan).
F.Sc (Chemistry, Physics, Biology)	1982,	Government Girls College for Women Faisalabad. Sargodha Board.
SSCE		

(Chemistry, Physics, Math, Biology) 1980
Multan

Government Muslim High School Multan,
Board.

PROFESSIONAL EXPERIENCE

- **Director, School of Physical Sciences**, since September, **2018** at the “**University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”.
- **Professor of Physical Chemistry** since December, **2011** at the “**Institute of Chemistry, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”.
- **Deputy Chairperson Hall Council**, since January, **2019** at the “**University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”.
- **Associate professor of Physical Chemistry** since **2008** at “**Institute of Chemistry, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan)**”.
- **Warden/Deputy Chairperson Hall Council**, since **2008**. (Expenditure to run and deal with financial as well as administration).
- **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).
- **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).
- 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**”.
- 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)**

Approved Supervisor

HEC approved PhD Supervisor **since March 2005.**

M.Sc Research Supervisor

More than 74 thesis were supervised.

M.Phil Research Supervisor

20 thesis were supervised and co-supervised.

Ph.D Research Supervisor

Completed: 02
In Process: 06

ADMINISTRATIVE RESPONSIBILITIES

(at Punjab University level)

- Warden Girls' Hostel 9 (Since April 2008 to date)
- Warden Girls Hostel 10 (April 2008 - October 2008 & April 2010 - April 2014).
- Deputy Chairperson Hall Council (Since 2019)
- Member of;

- Purchase committee of HEC funded project entitled “Establishment of Industrial Research Laboratory for Material Synthesis and Characterization”.
- Advanced Studies and Research Board
- Senate
- Academic Council (Since 2014 to date).
- Semester implementation Committee
- Convocation Committee
- Disciplinary/Secrecy committee (2010- 2012)
- Selection Board for Health center (2008-09)
- Unfair Means Committee (2009-2011)

(at Other University level)

- Member Board of Governor, University of Peshawar, Peshawar.
- Member board of Curriculum Committee (M.Phil/M.S/Ph.D) Government Saadiq Public University for Women, Bahawalpur.
- Member Faculty of Science, The Women University Multan.
- Reviewer of projects of HEC.

(at Departmental level)

- Student Advisor (Since March 2013)
- Deputy Student Advisor (2005-2011)
- Chairman Admission Committee
- Member of
 - Sports Committee
 - Discipline Committee
 - Admission Committee
 - Needy Student Scholarship awarding Committee
 - Syllabus equivalence committee
 - Board of Studies of the Institute of Chemistry
 - Curriculum Development Committee
 - DTRS for TTS faculty progress evaluation

- Departmental DPCC

SEMINARS/CONFERENCES

1. "Frontier of Chemistry" held at GC University, Lahore, on October, 2002. (Three papers were presented).
2. Frontier of Chemistry" Held at GCU. 2005.
3. "9th Symposium on Analytical and Environmental Chemistry", held at Bara Gali on July, 2006. (One paper was presented).
4. "Recent Challenges in Chemistry", held on 2-4 November 2006, at GC University, Faisalabad. (One paper was presented).
5. Number of Seminars was attended at University of Strathclyde Glasgow during Ph.D.
6. A Seminar was conducted on "Water for Tomorrow" at PUIC. June 2006.
7. Participated as a Judge in "Punjab Science Olympiad 2006-07".
8. "7th International and 17th National Chemistry Conference of Chemical Society" held at Gomal University Dera Ismail Khan, (NWFP), Pakistan. (One paper was presented).
9. Participated in International Chemistry Conference on "Recent Advances in Chemistry" held on 2-3 November, 2007 at Lahore College University, Lahore, Pakistan.
10. Participated as a Judge in "Punjab Science Olympiad 2007-08.
11. Participated as a Judge in "Punjab Science Olympiad 2008-09.
12. Participated as a Judge and Focal person in "Punjab Science Olympiad (2009- 10) and also coordinator of physics chemistry, biology, mathematics and computer for Punjab province.
13. Participated as a Judge and Focal person in "Punjab Science Olympiad (2010- 11) and also coordinator of physics, chemistry, biology, mathematics and computer for Punjab province.
14. Participated in International Chemistry Conference on "Recent Advances in Chemistry" held at Department of Chemistry and Biochemistry, University of Agriculture, Faisalabad, Pakistan on 21-23 November, 2011. (Three papers were presented).
15. A paper entitled "Study of thermal, magnetic, AC conductivity and dielectric properties of polypyrrole/hematite (Ppy/Fe₂O₃) composites prepared by chemical

oxidation polymerization”, in International Scientific Spring”, on 5-9 March, 2012 in National Center for Physics in collaboration with ICTP at Islamabad, Pakistan.

- 16.** Participated in International Conference on “ *Water, Energy, Environment and Food Nexus: Solutions and Adaptation under Changing Climate*” held on 4-5 April, 2012 at Centre of Excellence in Water Resources Engineering, University of Engineering and Technology, Lahore, Pakistan.
- 17.** Participated in Workshop on “*HEC Plagiarism and Turnitin Software*” at Centre for Undergraduate Studies, University of the Punjab, Lahore on 23rd April, 2012, arranged by Research Innovation & Commercialization (ORIC) and Quality Enhancement Cell (QEC) of University of the Punjab, Lahore, Pakistan.
- 18.** Participated in Workshop on “*Services of Chemistry for Green Economy*” at Ambassador Hotel, Lahore on 23rd June, 2012, organized by “Royal Society of Chemistry (Pakistan Section), National Foundation of Environmental Education and Research and “The Environ Monitor”.
- 19.** Attended “Angewandte Chemie 125th Anniversary Symposium Broadcast” by (German Chemical Society, GDCh) at Department of Chemistry, SBASSE, at Lahore University of Management Sciences (LUMS) on March 12, 2013.
- 20.** An awareness seminar against dengue and measles, on 1st Sep, 2013 at Khorana Auditorium, PUIC.
- 21.** “Balochistan: Problems and their Solutions” on October 01, 2013 in Al Raazi Hall, Undergraduate block, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan).
- 22.** A seminar on “Study and Work in Japan” on 5th Dec, 2013 at Khorana Auditorium, PUIC.
- 23.** Participated as a Judge in “National Science Fair 2012-13”, organized by Intel International Science and Engineering Fair (ISEF).
- 24.** A paper entitled “Heavy metals bioaccumulation assessment of some vegetables irrigated with industrial effluents of Punjab, Pakistan.” Was presented on 5th International Conference Environmentally Sustainable Development (ESDev-2013) held on August 25 - 27, 2013, at COMSATS Institute of Information Technology, Abbottabad, Kyber Pakhtun Khwa, Pakistan.
- 25.** A paper entitled “Modulating the catalytic activity of silver nanoparticles fabricated hybrid microgels with different cross linker contents” presented in International Conference on Physical and Environmental Chemistry (ICEPC 2013) Hotel Elite, Nathiagali, Dist. Abbotabad University of Peshawar on September 9-11, 2013.

26. Participated in 12th International & 24th National conference, arranged by the Chemical Society of Pakistan, held in Institute of Chemical Sciences, Bahauddin Zakariya University, Multan Pakistan on 28-30 October, 2013.
27. A paper entitled "Effect of Lutnesol xl 80 (as non ionic surfactant) on the Structural and Dielectric Behavior of Polypyrrole/Maghemite (PPy/Fe₃O₄) Nanocomposites" was presented in International Conference in Solid State Physics (ICSSP'13) at the Centre of Excellence in Solid State Physics, University of the Punjab, Lahore, Pakistan during 02 – 06 December, 2013.
28. A paper entitled "*Health risk assessment of heavy metals bio-concentration in vegetables of Lahore irrigated with industrial sewages*" was presented in International Conference of Biochemical and Chemical Sciences (ICBCS-2014), held in Department of Chemistry & Biochemistry, University of Agriculture, Faisalabad, Pakistan, on 24-26 February, 2014.
29. Hands-On Workshop "Thermogravimetric Analysis & Differential Scanning Calorimetry" held in Interdisciplinary Research Centre in Biomedical Materials, COMSATS IIT, Lahore on 15th May, 2014.
30. 13th International & 25th National conference, arranged by the Chemical Society of Pakistan, held in Institute of Chemistry, University of the Punjab, Quaid-e-Azam Campus, Lahore (Pakistan) on 20-22 October, 2014.
31. A paper entitled "Synthesis and characterization of Cobalt Ferrite Nanoparticles" was presented in 3rd Asian-Pakistan Conference on Material Science at NUST Islamabad, on 25-27 November 2014.
32. A paper entitled "Synthesis and study of Thermal and Dielectric Properties of TiO₂/Polypyrrole Composites" was presented in 26th National Conference and 14th International, arranged by the "Chemical Society of Pakistan", held in Department of Chemistry and Department of Biochemistry and Biotechnology, the Islamia University of Bahawalpur, Bahawalpur, Pakistan on 5-8, October, 2015.
33. A paper entitled "Isothermal and thermodynamical studies of Congo Red dye biosorption on Formalin-Treated Citrillus lanatus (Melon) Husk" presented in International Conference of Biochemistry, Biotechnology and Biomaterials (ICBBB-2016), "Biochemistry for better food, health and environment in developing countries", held in Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan, on 22-24 February, 2016.
34. A paper entitled "Synthesis and Characterization of Polysaccharide-coated Nickel Ferrite Nanoparticles as a Biomaterial Candidate" presented in Dalton 2016, on 29 - 31 March 2016, Coventry , United Kingdom. (HEC Funded).
35. A paper entitled "Synthesis and Study of Structural and Conducting Behavior of polypyrrole-nickel ferrite (NiFe₂O₄) nanoparticle composites" in 6th International Chemistry Conference, held in Riyadh, Saudi Arabia on November 8-10, 2016 (PU Funded).

- 36.** A paper entitled “A paper entitled “Synthesis and characterization of a biocompatible nanovector, ZnFe₂O₄/tamarind gum: a nanocarrier of antitumor drug – doxorubicin” presented in 5th International Symposium on Biomedical Materials: Clinical Requirements and Regulatory Affairs (14-16 December 2016, Lahore, Pakistan) arranged by Interdisciplinary Research Center in Biomedical Materials COMSATS Institute of Information Technology Lahore, Pakistan.
- 37.** A seminar presented on “Polymer, its composites and their applications” at Government College University, Faisalabad (Sahiwal Campus) on 13th January, 2017.
- 38.** Participated in 13th International Conference on Materials Chemistry (MC13), Liverpool, United Kingdom, held on 10 - 13 July 2017 (HEC funded).
- 39.** Participated in 6th International Symposium on “Biomedical Materials: Synergising Partnerships” at Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS Institute of Information and Technology (CIIT), Lahore, 14-16 December, 2017.
- 40.** Paper entitled “Analysis of Toxic and Essential Mineral Elements Content of Tea Sample Found Locally in Lahore” in 7th Pak Pharma Health care Expo 2018 and 1st GRIP International Conference on “Pharmaceutical and Biochemical sciences (CPBS)” at Expo Centre, Lahore on 23-24th January, 2018.
- 41.** Participated in “Polymers: Design, Function and Application”, Barcelona, Spain, on 21-23 March, 2018 (HEC Funded).
- 42.** Paper entitled “Synthesis and Characterization of BaTiO₃ / Polypyrrole Composites with Exceptional Dielectric behaviour” presented at 14th European Biological Inorganic Chemistry Conference (EuroBIC 14), Birmingham, United Kingdom, held on 26 - 30 August 2018.
- 43.** Session chair and keynote speaker at 29th National & 17th International Chemistry Conference CHEMCON-2018, 6 – 08th September, 2018, Institute of Chemical Science, University of Peshawar, Pakistan.
- 44.** 1st International conference on “Modern Trends in Chemistry and Energy Technologies”, on 22-23 October, 2018 organised by Departments of Chemistry, Pharmacy and Energy Research Center, COMSATS University Islamabad, Lahore Campus, Pakistan.
- 45.** Key note presenter and Session chair at 1st International Conference of Pakistan on Water and Energy Research (IC-POWER-2018) and 3rd Pak Water and Energy Expo-2018 held on 24-25th October 2018 at Expo Centre Lahore organised by “The Group of Researcher and Intellectuals of Pakistan (GRIP)” with collaboration of “Prime Event management”.
- 46.** “One Day Symposium, Workshop & Launch of Bone Repair & Regeneration Network” at Interdisciplinary Research Centre in Biomedical Materials (IRCBM), COMSATS Institute of Information and Technology (CIIT), Lahore on 30th November, 2018.

47. Key note presenter and Session chair at 8th Pak Pharma Health Care Expo 2019 and 2nd GRIP International Conference on “Pharmaceutical and Biochemical sciences (CPBS)” at Expo Centre, Lahore on 15-17 January, 2019.
48. Session chair at “International Symposium on Materials for Renewable Energy, Environment and Sustainability” held in Department of Chemistry, University of Agriculture, Faisalabad-Pakistan 6-7 February, 2019.

MEMBER OF ORGANIZING COMMITTEE FOR CONFERENCES/SEMINARS

1. “Frontier of Chemistry” held at GCU Lahore. (Oct 2002)
2. A 14 days course for the “Laboratory Staff Training” was organized. I was the co-coordinator of the course. (July 2005)
3. A seminar was conducted on “Water for Tomorrow” at PUIC. (June 2006)
4. 18th National Chemistry Conference of Chemical Society of Pakistan being held on 25-27 February, 2008.
5. “An awareness seminar against dengue and measles”, on 01 Sep, 2013 at Khorana Auditorium, PUIC.
6. A seminar on “Study and Work in Japan” on 05 Dec, 2013 at Khorana Auditorium, PUIC.
7. 13th International & 25th National conference, arranged by “The Chemical Society of Pakistan”, held in Institute of Chemistry, University of the Punjab, Quaid-i-Azam Campus Lahore, Pakistan on 20-22 October, 2014.
8. 7th Pak Pharma Health care Expo 2018 and 1st GRIP International Conference on “Pharmaceutical and Biochemical sciences (CPBS)” at Expo Centre, Lahore held on 23-24 January, 2018.
9. 1st International Conference of Pakistan on Water and Energy Research (IC-POWER-2018) and 3rd Pak Water and Energy Expo-2018 held on 24-25 October, 2018 at Expo Centre Lahore organised by “The Group of Researcher and Intellectuals of Pakistan (GRIP)”, with collaboration of “Prime Event management”.
10. 8th Pak Pharma Health Care Expo 2019 and 2nd GRIP International Conference on “Pharmaceutical and Biochemical sciences (CPBS)” at Expo Centre, Lahore on 15-17th January, 2019.

RESEARCH INTERESTS

1. Ultrasonic studies of polymers and its various aspects.
2. Preparation and analysis of polymer blends.
3. Studies of original and recycled polymer.
4. Effect of ultrasonic radiations on Emulsion polymerization.
5. Synthesis of Photodegradable Plastic.
6. Synthesis of conducting polymers and their characterization.
7. Synthesis and characterization of micro emulsions.
8. Synthesis of conducting polymer composites.
9. Adsorption studies using natural and synthetic polymers and their composites.
10. Surface phenomena.
11. Control of environmental pollution using polymers and their composites.

RESEARCH PROJECTS AND 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 conducting polymers and their nano-composites with ceramic".

Funding Agency: University of the Punjab.

Research grant: 0.2 million

Year: 2010-11

4. Project title "Synthesis and characterization of high dielectric constant vinyl polymers/polypyrrole composites"
Research grant: 0.2 million
Year: 2011-12
5. Project title "synthesis and characterization of high dielectric constant BaTiO₃ / polymer composites"
Research grant: 0.2 million
Year: 2012-13
6. Project title "Synthesis, Characterization And Study of Dielectric behaviour of Titanates / PVA / Polypyrrole Composites"
Research grant: 0.2million Year: 2013-14
7. Project title "Synthesis and characterization of Iron Oxide/polymers nano-composites" (Submitted)
Research grant: 0.25 million
Year: 2014-15
8. Project title "Study of Structural and Electrical Properties of Various Graphene/Cobalt Ferrite/Polymer Nanocomposites"
Research grant: 0.25 million
Year: 2015-16

RESEARCH PUBLICATIONS

Total Publications = 70

Overall Impact Factor \approx 74.363

(* Thomson Reuters Citation Report 2018 and SCImago, SJR)

Research Publications in Journals with Impact Factor/HEC Recognized

Sr.No.	Authors	Publication	I.F
1.	Farah Kanwal, John J. Liggat, Richard A. Pethrick	Ultrasonic Degradation of Polystyrene solutions" <i>Polymer Degradation and Stability</i> , U.K 68(3), 2000, 445-449.	3.78
2.	Farah Kanwal, M. Akram Kashmiri, Imama Mubarik	DTA and FTIR analysis of PMMA-PS Blends, <i>Journal of Natural Sciences and Mathematics</i> , PK ISSN 0022-2941, 43(1), 2003, 5-10.	-
3.	Farah Kanwal, Richard A Pethrick	Ultrasonic Degradation of Poly(ethylene oxide), Poly(ethylene adipate), Poly(dimethyl siloxane), <i>Polymer Degradation and Stability</i> , U.K; 84 (1), 2004, 1-6.	3.78
4.	Farah Kanwal, Sajjad Ahmad, M.A. Kashmiri	Effect of Microwaves on Original and Recycled Polystyrene in Cooking Oils, <i>Journal of Natural Sciences and Mathematics</i> , PK ISSN 0022-2941, 44(1), 2004, 5-16.	-
5.	Farah Kanwal, Richard A. Pethrick, Tahir Jamil	Ultrasonic Degradation studies of Polyacrylates, <i>Journal of the Chemical Society of Pakistan</i> , 29(5), 2007, 433-437.	0.393
6.	Farah Kanwal, S.M. Waraich, T. Jamil	FTIR Analysis of Recycled Polystyrene for Food Packaging. <i>Journal of the Chemical Society of Pakistan</i> , 29(3), 2007, 239-242.	0.393
7.	Farah Kanwal, Attia Gul, Tahir Jamil	Synthesis of Acid Doped Conducting Polyaniline, <i>Journal of the Chemical Society of Pakistan</i> , 29(6), 2007, 553-57.	0.393
8.	Farah Kanwal, Saadat Anwar Siddiqi, Saher Tasleem, Ghulam Sakina, Tahir Jamil	Synthesis and Characterization of Polyaniline/Wood and Polyaniline/Carbon Composites, <i>Journal of the Chemical Society of Pakistan</i> , 31(6), 2009, 882-885.	0.393
9.	Farah Kanwal, Saira Ishaq,	Synthesis and Characterization of Silver	0.393

- Tahir Jamil
Hexacyanoferrate(II)/Polyaniline Composites, *Journal of Chemical Society of Pakistan*, 31(6), 2009, 907-910.
10. Muhammad Imran, Amin-Ul-Haq Khan, Aziz-Ul-Hassan, **Farah Kanwal**, Mitu Liviu, Muhammad Amir, Muhammad Adnan Iqbal
Evaluation of Physio-Chemical characteristics of Soil Samples Collected from Harrapa- Sahiwal(Pakistan). *Asian Journal of Chemistry*, 22(6), 2010, 4823-4820. 0.355
11. Ruhamah Yunis, Muhammad Imran, Liviu Mitu, **Farah Kanwal**
Adsorption studies of fluorescein on Roots, Stem and Leaves of *Phoenix dactylifera*, *Asian Journal of Chemistry*, 23(1), 2011, 345-350. 0.355
12. Gulshan Ara, **Farah Kanwal**, Durreshahwar, Muhammad Imran and Noor Ul Ain
Transition metal complexes of *Croton sparsiflorus* extract and their biological status, *Asian Journal of Chemistry*, 23(4), 2011, 1996-1998. 0.355
13. Gulshan Ara, Durreshahwar, **Farah Kanwal**, Muhammad Imran, Asiya Akbar
In-vitro antibacterial activity of essential oils extracted from locally available medicinal plants, *Journal of the Chemical Society of Pakistan*, 33(2), 2011, 205-208. 0.393
14. **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. 2.870
15. 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. 1.344
16. Adeela Manzoor, **Farah Kanwal**, Muhammad Imran and Ruhamah Yunis
Adsorption of Eosin bluish on root stem and leaves of *Phoenix dactylifera*, *Asian Journal of chemistry*, 23 (12), 2011, 5452-5456. 0.355
17. **Farah Kanwal**, Rabia Rehman, Jamil Anwar, Tariq Mahmud
Adsorption studies of Cadmium (II) using novel composites of Polyaniline with rice husk and saw dust of *Euclaptus camaldulensis*, *Electronic Journal of Environmental, Agricultural and Food Chemistry*, 10(10), 2011, 2972-2985. 0.18 [Non ISI Listed]
18. Aisha Batool, **Farah Kanwal**, Muhammad Imran,
Synthesis of Polypyrrole/zinc oxide composites and study of their structural, 2.870

- Tahir Jamil, Saadat Anwar Siddiqi thermal and electrical properties, *Synthetic Metals*, 161 (23-24), **2012**, 2753-2758.
19. **Farah Kanwal**, Rabia Rehman, Tariq Mahmud Jamil Anwar, Rabia Ilyas Isothermal and thermodynamic modeling of chromium (III) adsorption by composites of polyaniline with rice husk and saw dust, *Journal of the Chilean Chemical Society*, 57(1), **2012**, 1058-1063. 0.522
20. Asmat Zahra, Muhammad Imran, **Farah Kanwal** Comparative adsorption studies of methyl orange using different varieties of melon seeds as adsorbents, *Asian Journal of chemistry*, 24(6), **2012**. 2668-2670. 0.355
21. **Farah Kanwal**, Aisha Batool, Saher Rauf Dar, Muhammad Jawwad Saif, Muhammad Imran Synthesis and characterization of Polypyrrole/carbon nanotubes (Ppy-Cnts) composites, *Asian Journal of chemistry*, 24(11), **2012**, 5035-5037. 0.355
22. **Farah Kanwal**, Muhammad Imran, Liviu Mitu, Zeeshan Rashid, Huma Razzaq, Qurat ul Ain Removal of Chromium(III) using synthetic polymers, copolymers and their sulfonated derivatives as adsorbents, *E-Journal of Chemistry*, 9(2), **2012**, 621-630. 1.727
23. **Farah Kanwal**, Rabia Rehman, Jamil Anwar, Muhammad Saeed Batchwise removal of chromium(VI) by adsorption on novel synthesized polyaniline composites with various brans and isothermal modeling of equilibrium data. *Journal of the Chemical Society of Pakistan*, 34 (5), **2012**, 1134-1139. 0.393
24. **Farah Kanwal**, Rabia Rehman, Jamil Anwar, Muhammad Saeed Removal of lead (II) from water by adsorption on novel composites of Polyaniline with maize bran, wheat bran and rice bran. *Asian Journal of chemistry*, 25 (5), **2013**, 2399-2404. 0.355
25. **Farah Kanwal**, Rabia Rehman, Aisha Batool, Muhammad Saeed Synthesis of novel composites of HCl-doped Polyaniline with Maize, Rice and Wheat flour and study of their structural, optical and conducting Properties. *Asian Journal of chemistry*, 25 (7), **2013**, 3701-3704 0.355
26. Rabia Rehman, Tariq Chemical modification of *Oryza sativa* 0.393

- Mahmud, **Farah Kanwal**, Muhammad Naeem Aslam, Rabia Latif, Hina Nisar Linnaeus husk with Urea for removal of Brilliant Vital Red and Murexide dyes from water by adsorption in environmentally benign way, *Journal of the Chemical Society of Pakistan*, 35 (2), 2013, 510-515.
27. **Farah Kanwal**, Aisha Batool, Madiha Yaseen, Muhammad Imran Synthesis and characterization of copolymer of styrene and acrylonitrile by emulsion and microemulsion polymerization using different emulsifiers. *Asian Journal of chemistry*, 25 (8), 2013, 4419-4422. 0.355
28. Rabia Rehman, Muhammad Salman, Tariq Mahmud, **Farah Kanwal**, Waheed-Uz-Zaman Utilization of chemically modified *Citrus reticulata* peels for biosorptive removal of Acid Yellow-73 dye from water, *Journal of the Chemical Society of Pakistan*, 35(3), 2013, 611-616. 0.393
29. **Farah Kanwal**, Rabia Rehman, Sumbal Samson, Jamil Anwar Isothermal investigation of Copper (II) and Nickel (II) adsorption from water by Novel Synthesized Polyaniline composites with *Polyalthia longifolia* and *Alstonia scholaris* dried leaves, *Asian Journal of Chemistry*, 25(16), 2013, 9013-9019. 0.355
30. **Farah Kanwal**, Rabia Rehman, Muhammad Waheed Mushtaq Use of *Opuntia dillenii* seeds for sorptive removal of acidic textile dyes from water in benign way, *Asian Journal of Chemistry*, 25(14), 2013, 7710-7714. 0.355
31. **Farah Kanwal**, Rabia Rehman, Jamil Anwar, Sadia Rasul Adsorptive removal of Pb(II) from water using novel synthesized Polyaniline composites with *Madhuca longifolia* and *Eugenia jambolana* leaf powder, *Asian Journal of Chemistry*, 26 (16), 2014, 4963-4967. 0.355
32. **Farah Kanwal**, Aisha Batool, Sadia Rasool, Shahzad Naseem, Rabia Rehman Synthesis of Polyaniline composites with grinded leaves of *Polyalthia longifolia*, *Syzygium cumini*, *Alstonia scholaris* and *Madhuca longifolia* and study of their structural, electrical and dielectric properties, *Asian Journal of Chemistry*, 26 (22), 2014, 7519-7522. 0.355
33. Zahoor H. Farooqi, Sadia Iqbal, Shanza Rauf Khan, **Farah Kanwal**, Robina Begum Cobalt and nickel nanoparticles fabricated p(NIPAM-co-MAA) microgels for catalytic applications, Product Information *E-Polymers*, 14(5), 2014, 313-321. 1.491
34. Aisha Batool, **Farah** Novel Method to Synthesize Highly 1.651

	Kanwal, Amir Abbas, ,Saira Riaz, Shahzad Naseem	Conducting Polyaniline/ Nickel Sulfide Nanocomposite Films and the Study of Their Structural, Magnetic, and Electrical Properties, <i>IEEE Transactions on Magnetism</i> , 50(8), 2014 , 2900204.	
35.	Zahoor Hussain Farooqi, Shanza Rauf Khan, Tajamal Hussain, Robina Begum, Kiran Ejaz, Shumaila Majeed, Muhammad Ajmal, Farah Kanwal, Mohammad Siddiq	Effect of crosslinker feed content on catalytic activity of silver nanoparticles fabricated in multiresponsive microgels, <i>Korean Journal of Chemical Engineering</i> , 31(9), 2014 , 1674-1680.	2.476
36.	Zahoor H. Farooqi, Shanza Rauf Khan, Robina Begum, Farah Kanwal, Ahsan Sharif, Ejaz Ahmed Shumaila Majeed, Kiran Ijaz, Aysha Ijaz	Effect of acrylic acid feed contents of microgels on catalytic activity of silver nanoparticles fabricated hybrid microgels, <i>Turkish Journal of Chemistry</i> , 39, 2015 , 96-107.	1.000
37.	Farah Kanwal, Rabia Rehman, Sadia Rasool	Adsorptive eradication of Cadmium (II) from water in eco-friendly way using biocomposites of Polyaniline with <i>Madhuca longifolia</i> and <i>Eugenia jambolana</i> leaf powder, <i>Asian Journal of Chemistry</i> , 27(2), 2015 , 449-454.	0.355
38.	Zahoor H. Farooqi, Tanzila Sakhawat, Shanza Rauf Khan, Farah Kanwal, Muhammad Usman, Robina Begum	Synthesis, characterization and fabrication of copper nanoparticles in N-isopropylacrylamide based co-polymer microgels for degradation of p-nitrophenol, <i>Materials Science-Poland</i> , 33(1), 2015 , 185-192.	0.918
39.	Farah Kanwal, Aisha Batoool, M. Adnan, Shahzad Naseem	The effect of molecular structure, band gap energy and morphology on the dc electrical conductivity of polyaniline/aluminium oxide composites, <i>Materials Research Innovations</i> , 19(S8), 2015 , 354-358.	0.830
40.	Muqaddas Saleem, Farah Kanwal, Muhammad Imran, Livi Mitu	Synthesis, Characterization and adsorption studies of Sulphonated Poly(Styrene), <i>Journal of the Chemical Society of Pakistan</i> , 37 (6), 2015 , 1130-1134.	0.393
41.	Farah Kanwal, Rabia Rehman, Sadia Rasul, Khoula Liaqat	Chromium(VI) Removal from Water by using Polyaniline biocomposites with <i>Madhuca longifolia</i> and <i>Szygium cumini</i> leaves, <i>Bulgarian Chemical Communications</i> , 48(3), 2016 , 379-383.	0.242
42.	Muhammad Waheed	Synthesis, structural and biological Studies	0.242

- Mushtaq, Muhammad Imran, Shahid Bashir, **Farah Kanwal** and Liviu Mitu
43. Khalil Ahmed, **Farah Kanwal**, Shahid M. Ramay, Asif Mahmood, Shahid Atiq, and Yousef S. Al-Zaghayer of cobalt ferrite nanoparticles, *Bulgarian Chemical Communications*, 48(3), **2016**, 565-570. 1.044
44. Imtiaz Niamat , Asma Rashid Tariq , Muhammad Imran, **Farah Kanwal**, Liviu Mitu High Dielectric Constant Study of TiO₂-Polypyrrole Composites with Low Contents of Filler Prepared by In Situ Polymerization, *Advances in Condensed Matter Physics* Volume 2016, Article ID 4793434, 6 pages <http://dx.doi.org/10.1155/2016/4793434> 0.242
45. Shanza Rauf Khan, Zahoor H. Farooqi, Waheed-uz-Zaman, Abid Alid, Robina Begum, **Farah Kanwal**, Mohammad Siddiq Kinetics and mechanism of reduction of nitrobenzene catalyzed by silver-poly(N-isopropylacryl amide-co-allylacetic acid) hybrid microgels, *Materials Chemistry and Physics*, 171, **2016**, 318-327 2.781
46. Summia Rehman, Sonia Rasheed, Muhammad Imran, Ayesha Kanwal, **Farah Kanwal**, Imtiaz Begum, Liviu Mitu Sunflower and Soybean oil stabilized with natural extracts of turnip's peel, *Bulgarian Chemical Communications*, 49(2), **2017**, 493-498. 0.242
47. Alia Naseem, Asma Rashid Tariq, Muhammad Imran, Imtiaz Begum and **Farah Kanwal** Stabilization studies of Sunflower oil with antioxidants extracted from Green and Black cardamom, *Pakistan Journal of pharmaceutical sciences*, **2017**, 30(4), 1317-1320. 0.596
48. Muhammad Waheed Mushtaq, **Farah Kanwal**, Atif Islam, Khalil Ahmed, Zia-ul Haq, Tahir Jamil, Muhammad Imran, Syed Mustansar Abbas, Qingrong Huang Synthesis and characterisation of doxorubicin-loaded functionalised cobalt ferrite nanoparticles and their in vitro anti-tumour activity under an AC-magnetic field, *Tropical Journal of Pharmaceutical Research*, 16(7), **2017**, 1663-1674. 0.439
49. 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. 3.442
50. Sonia Rasheed, Muhammad Imran, Summia Rehman, Amna Farooq, Imtiaz Begum, **Farah Kanwal**, Liviu Mitu Scavenging activity of grapefruit peel and seed extract, a natural source of antioxidant for the stabilization of soybean and sunflower oil, *Revista de chimie*, 68(7), **2017**, 1466-1469. 1.605
51. Attia Firdos, Asma Rasheed Tariq, Muhammad Imran, Antioxidant potential of black pepper extract for the stabilization of sunflower oil, 0.242

- Imtiaz Niamat, **Farah Kanwal**, Liviu Mitu
52. Khalil Ahmed, **Farah Kanwal**, Shahid. M. Ramay, Shahid Atiq, Asif Khan, A. Mahmood
53. **Farah Kanwal**, Rabia Rehman, Iram Qadir Bakhsh
54. Muhammad Waheed Mushtaq, **Farah Kanwal**, Muhammad Imran, Naila Ameen, Madeeha Batool, Aisha Batool, Shahid Bashir, Syed Mustansar Abbas, Ataur Rehman, Saira Riaz
55. Muhammad Waheed Mushtaq, Jamil Anwar, Omara Naeem, **Farah Kanwal**, Waheed-uz-Zaman
56. Saira Ishaq, **Farah Kanwal**, Shahid Atiq, Mahmoud Moussa, Umar Azhar, Muhammad Imran, Dusan Losic
57. Saira Ishaq, **Farah Kanwal**, **Shahid Atiq**, Mahmoud Moussa, Umar Azhar, Iffrah Gul, Dusan Losic
58. Shamaila Iram, Dr. Muhammad Imran, Prof. **Farah Kanwal**, Shoomaila Latif, Zafar Iqbal, Dr. Hans-Georg Stammeler
59. Khalil Ahmed, **Farah Kanwal**, Shahid Ramay, Shahid Atiq, Rabia Rehman, Syed Ali, and Nasser Alzayed
60. Rabia Rehman, **Farah Kanwal**, Liviu Mitu
- Bulgarian Chemical Communications*, 49(1), **2017**, 31-33.
- Study Of The Effect Of PVA On Dielectric Constant And Structure Of TiO₂- Polypyrrolecomposites Prepared By In-Situ Polymerization, *Digest Journal of Nanomaterials and Biostructures*, 12(3), **2017**, 775-783.
- Batch wise sorptive amputation of Diamond green dye from aqueous medium by novel Polyaniline-Alstonia scholaris leaves composite in ecofriendly way, *Journal of Cleaner Production*, 196, **2018**, 350-357.
- Synthesis of surfactant-coated cobalt ferrite nanoparticles for adsorptive removal of acid blue 45 dye, *Materials Research Express*, 5, **2018**, 035058
- Separation of Bacterial Contaminations in Aqueous Systems by Directional Freezing, *Pakistan Journal of Zoology*, 50(4), **2018**, 1-4.
- Advancing Dielectric and Ferroelectric Properties of Piezoelectric Polymers by Combining Graphene and Ferroelectric Ceramic Additives for Energy Storage Applications, *Materials*, 11(9), **2018**, 1553.
- Dielectric and impedance spectroscopic studies of three phase graphene/titania/poly(vinyl alcohol) nanocomposite films, *Results in Physics* 11, **2018**, 540-548.
- Lead-Based Organic Frameworks (Pb-MOFs): Structural, Luminescence and Adsorption Aspects, *Chemistry Select*, 3(37), **2018**, 10443-10449.
- Synthesis and Characterization of BaTiO₃/Polypyrrole Composites with Exceptional Dielectric Behaviour. *Polymers* 11(10), **2018**, 1273.
- Microwave treated *Gardenia jasminoides* leaves for adsorptive removal of Direct Red-28 Dye in environmental benign way,

- REVISTA DE CHIMIE**, 69(12), **2018**.
- | | | | |
|-----|--|---|-------|
| 61. | Shamaila Iram, Muhammad Imran, Farah Kanwal , Shoomaila Latif, and Zafar Iqbal. | Morphological, luminescence and gas adsorption studies of Pb(II)-MOFs, Materials Research Express , 6(2), 2019 , 025103. | 1.449 |
| 62. | Shamaila Iram, Muhammad Imran, Farah Kanwal , Zafar Iqbal, Farah Deeba, Qazi Javed Iqbal. | Bismuth (III) based Metal Organic Frameworks: Luminescence, Gas Adsorption, and Antibacterial Studies, Zeitschrift für anorganische und allgemeine Chemie , 645(1), 2019 , 50-56. | 0.809 |
| 63. | 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. | 3.450 |
| 64. | Farah Kanwal , Rabia Rehman, Hassaan Ahmad Warraich | Synthesis of novel Polyaniline composites with <i>Eriobotrya japonica</i> leaves for removal of Methyl Red dye from wastewater, Bulgarian Chemical Communications , (Accepted for publication), Reference No. 5131 | 0.242 |

List of Journals which have ISSN No but no IF

1. FTIR analysis of Original and Recycled Poly (Vinyl Chloride), *Journal of Scientific Research*, ISSN 0555-7674, ISSN 0555-767434 (2), **2005**, 1-8.
2. Recovery of Terephthalic acid from the Waste of Poly (ethylene terephthalate) at elevated Temperature and Normal Pressure. *The Journal of Scientific Research*, ISSN 0555-7674, 36(2), **2006**, 31-36.
3. Seeds Oils of Umbelliferae Family Plants of Pakistan as potential Industrial raw material. *Pakistan Journal of Scientific research*, 59(1-2), **2007**, 1-5.
4. Recovery of Terephthalic Acid from Waste Poly (ethylene terphthlate), by alkali fusion. *Journal of Scientific Research*, ISSN 0555-7674, 37(1), **2007**, 39-44.
5. Effect of Ultrasonic radiations on Poly(vinyl chloride) and Polystyrene in solutions" *Journal of Scientific Research*, ISSN 0555-7674, 38(2), **2008**, 23-28.

M.Phil THESIS SUPERVISED

1. Sahar tasleem 2007 Synthesis and characterization polyaniline and its composites.
2. Aisha Batool 2008 Synthesis of polypyrrole/ α -Fe₂O₃) and ZnO added by chemical oxidation method and study of their structural and conducting properties.
3. M. Waheed 2011 Kinetics and thermodynamic studies for sorption of toxic dyes (DbK3RL, Eb) and metals (Cr, Mn) by a low cost biosorbent *Heterophragma adensonai* (Ha)
4. H.M. Saeed 2011 Synthesis and characterization of Polyaniline and its composite with Maize bran ,Wheat Bran and Rice Bran for the removal of Cr(VI) and Pb(II) from waste water
5. Khudija Nawaz 2012 Fabrication and characterization of polyindole/silica(Pln/SiO₂) Composites
6. Ghulam Mustafa 2012 Kinetic study of reduction of 4-Nitrophenol using Nanoparticles based Hybrid Microgels as catalysts
7. Sadia Iqbal 2013 Cobalt and Nickel Nanoparticles fabricated microgels for catalytic applications
8. Tanzila Sakhawat 2013 Copper Nanoparticles fabricated N-isopropylacrylamide based microgels for catalytic applications
9. Saima Bashir 2014 Synthesis and characterization of Nanocomposite of PPy/Fe₂O₃ and PPy/Fe₂O₃/PVAc
10. Aamir Abbas 2014 Synthesis and characterization Polypyrrole-Iron Oxide Nanocomposites and their applications in Smart textiles.
11. Muhammad Zia ul Haq 2015 Synthesis and Characterization of cobalt ferrite nanoparticles and its composites with polyaniline.
12. Shumaila Majeed 2015 Synthesis and characterization of cobalt ferrite nanoparticles and its composites with natural gums.
13. Masooma Rubab 2015 Synthesis and Characterization of polypyrrole and its nanocomposites with nickel ferrite (NiFe₂O₄).

14. Sadia Rasul 2016 Use of Novel Composites of Polyaniline with Polyalthia longifolia and Alstonia scholaris Leaves for Adsorptive Removal of Tartrazine and Reactive Red 120 Dyes
15. Noreen Sadaf 2016 Removal of Methylene Blue and Brilliant green by Polyaniline and composites with Rice Husk and Wheat Husk from Aqueous Solutions
16. Huma Faheem 2018 Synthesis of Nanoparticles Polyaniline-Graphene Oxide (PANI-GO-AgNPs) composite and Study of its Dielectric Properties
17. Iram Qadir 2018 Polytaniline and its Biocomposite Synthesis, Characterization, and Adsorption Studies
18. Ghazia Ahmad 2018 Study of the dielectric Properties of three phase Ppy/GO/CuO Nanocomposite with varying content of CuO Nps
19. Rida Akbar 2019 A Facile One-Step Synthesis Route Adopted for the Fabrication of Ce-loaded Nickel-Iron Based Electrodes for Efficient Oxygen Evolution Reaction
20. Ammara Shahdat 2019 A Simple Two-Step Synthesis of Binder-Free Ce-Loaded NiFe Based Electrocatalyst Electrodes for Efficient Oxygen Evolution Reaction.

M.Sc/B.S (Hons) THESIS SUPERVISED

1. Farah Nabila 2001 Preparation and Characterization of Polymer Blends
2. Sajjad Mahmud
Waraich 2001 Physiochemical Studies of Recycled plastic
- Mudassar Fatima 2002 Physiochemical Studies of Pure and Recycled PVC (Polyvinyl Chloride)
3. Imama Mubarik 2002 DTA and FTIR Analysis of PMMA-PS Blends
4. Kanwal 2002 DTA and FTIR Analysis of PS/PVC Blends
5. Saira Hameed 2003 Effect of Ultrasonic Radiation on Polystyrene and Polyvinyl Chloride
6. Uzma Ghani 2004 Effect of Ultrasonic Radiation on the Degradion of Polyvinyl alcohol
7. Syed Adil Abbas 2005 Quantification of Trans Fatty Acid in Ghee and Oil (soya been) after the Deep Multiple Frying of French Fries
8. Shahnila Kiran 2005 Studies of PVC blends with Original and Recycled
9. Muhammad Asim

	Raza with Polyaniline	2005	Synthesis of Hydrochloric Acid Doped
10.	Muhammad Azeem Arshad Moderate	2005	Synthesis of Benzo phenone Anil under Condition and Different Promoter
11.	Riaz Hussain	2005	Comparison of carbon and clay adsorbent
12.	Inam -ul- Haq	2005	Doping of Iron (III) Chloride on PVC-Polystyrene blend
13.	Zahoor Hussain Farooqi	2005	Synthesis of Schiff base (N-Benzylidene aniline) in the presence of acid catalyst and different co-catalyst
14.	Muhammad Iqbal	2005	Techniques for preparation and Utilization of activated Carbon
15.	Attia Gul	2006	Synthesis of HCl-Doped Polyaniline using Different Oxidizing Agents
16.	Ghulam Skina	2007	Syntheses and Characterization of Polyaniline Composite
17.	Nafeesa Chughtai	2007	Polymerization of Styrene in Water Microemulsion containing a Mixture of Non-ionic and Anionic Surfactants
18.	Muhammad Ikram- -ul- Haq	2006	Synthesis and characterization of Photodegradable Polyvinyl chloride
19.	Fozia Iram	2006	Synthesis and Characterization of Photodegradable Polystyrene
20.	Abdur Rehman different	2007	Comparative Authentication of Edible Oils using Techniques
21.	Saira Ishaq	2007	Synthesis and Characterization of Silver hexacyanoferrate (II) Conductive Polyaniline Composite
22.	Farukh Ali	2007	Stability of Oil by Microwave Heating
23.	M. Waheed Mushtaq	2008	Synthesis and Characterization Polypyrrole and its composite with Iron (II) Oxide

- | | | | |
|-----|-----------------------|------|---|
| 24. | M. Jhangir Latif | 2008 | Syntheses and Characterization of Polyaniline and Polyethylene Glycol Blend |
| 25. | H. M. Saeed | 2008 | Syntheses and Characterization of Polyaniline Composite with Maize Wheat, Rice and Jumbo |
| 26. | Kashif Ashraf | 2008 | Effect of convential heating on degradation and quality of edible Oils |
| 27. | Razia Ashraf | 2008 | Effect of Microwave Heating on Quality Characteristics and Oxidative Stability of Edible Oils |
| 28. | M. Mubeen | 2008 | Microwave Copolymerization of AN and MMA and Study of the effect of Temperature and Initiator Concentration on Copolymer Conversion and Reaction kinetics |
| 29. | M. Sarfaraz-ur-Rehman | 2009 | Synthesis and Characterization of Polymethyl Acrylonitile Polymethyl Metha Acrylonitile and their Copolymer |
| 30. | Iram Shahzadi | 2009 | Emulsion Polymerization and Copolymerization and methayl metha crylate their Sulfonation and Adsorption Studies on Each |
| 31. | Abid Ali | 2009 | Emulsifier Free emulsion Polymerization of Acrylonitrile and Acrylic Acid by Co-Glycine Chelating Complex |
| 32. | Shafia Noreen | 2009 | Emulsion Polymerization and copolymerization of styrene and acrylic Acid their Subsequent sulfonation and Adsorption study of the synthetic Products |
| 33. | Farzeen Jhangir | 2009 | Synthesis and Characterization Of Polypyrrole and its composite with zinc Oxide |
| 34. | Huma Razzaq | 2010 | Synthesis of poly(Styrene),Poly(Methyl metha crylate), Co-poly(Styrene-Methyl Methacrylate), their Sulfonated Polymers and Adsorption Studies |
| 35. | Qurat-ul-ain | 2010 | Synthesis of poly(Styrene),Poly(Methyl metha crylate), Copoly(Styrene-Methyl Methacrylate) , Their sulfonated polymers and Adsorption studies |
| 36. | Madiha Yaseen | 2010 | Synthesis and Characterization of copolymers of Styrene and Acrylonitrile by emulsion and microemulsion polymerization using different emulsion |

37. Zeeshan Rashid 2010 Emulsion Polymerization and copolymerization of styrene and acrylonitrile, their sulfonation and adsorption study of the synthetic Products
38. Rabia Ilyas 2010 Adsorption of chromium and cadmium on Bentonite, Charcoal ,Polyaniline and its composites with (Rice flour, Rice husk, Wood)
39. Sahar Rauf Dar 2010 Synthesis of highly thermally stable Polypyrrole/carbon nanotubes (Ppy- CNTs) composites with tunable DC conductivity
40. Rehana Kosar 2010 Thermal Degradation of Polymer
41. Nafisa gul 2011 Synthesis of PANI/SiO₂ Composites and Study of their Structural and Electrical Properties
42. H. M. Arshad 2011 Treatment of Textile Industrial Waste Water by Fenton Process
43. Iqra Saleem 2011 Synthesis of Polypyrrole/Iron Oxide Composites and Study of their Thermal and Magnetic Properties
44. Muhammad Adnan 2012 Synthesis and Characterization of PANI/SiO₂ composites
45. Sumbal Samson 2012 Synthesis and characterization of Polyaniline composites with Plant Leaves and their use for Adsorption of Copper(II) and Nickel(II)
46. Asral Bibi 2013 Synthesis and Characterization of Polyaniline and its Nanocomposites
47. Noreen Sadaf 2013 Synthesis and Characterization of pure Polypyrrole and its Composites with BaTiO₃
48. Sadia Rasul 2013 Synthesis and characterization of Novel Polyaniline composites with Plant Leaves and their Application in Adsorptive Removal of Cadmium(II) and Lead(II).
49. Khoula Liaqat 2014 Synthesis and Characterization of Novel Polyaniline Composites with Plant Leaves and their Application in Adsorptive Removal of Chromium(VI) from Water by Adsorption method.
50. Samina Rashid Chaudhary 2014 Synthesis and Characterization of Polypyrrole/ BaTiO₃/Polyvinyl alcohol Composites
51. Hafiza Sidra Saeed 2014 Synthesis and Characterization of Iron oxide Nanocomposites and its Composites with Natural Polymers

52. Amara Liaqat Ali 2015 Synthesis and Characterization of Polymer Composite Cobalt Ferrite Polyvinyl alcohol for Drug Delivery System
53. Gufran Saddique 2015 Removal of Methylene Blue Dye From Water Using *Solanum tuberosum* and *Cucumis melo* Peels as Adsorbents
54. Rubina Rehman 2015 Synthesis and Characterization of Polymer Composite Cobalt Ferrite Polyethylene Glycol (1000) for Drug Delivery System
55. Rafia Noor 2015 Synthesis and Characterization of Polymer Composite Cobalt Ferrite Polyethylene Glycol (500) for Drug Delivery System
56. Muhammad Usman 2015 Synthesis and characterization of (CoFe₂O₄) nanoparticles and its coating with caboxymethyl cellulose (CMC)
57. Muhammad Saleem 2016 Synthesis and Characterization of Nickel Ferrite Polymer Nanocomposites
58. Iram Qadir Bakhsh 2016 Synthesis and Characterization of Polyaniline and its composite with leaves of *Alstonia Scholaris* and their adsorption studies
59. Munaza Bashir 2016 Removal of cationic dye (Methylene Blue) by using polyaniline and its composite with leaves of *Alstonia Scholaris*
60. Muhammad Ehsan 2016 Synthesis and Characterization of Managanese Ferrite polymer Nanocomposites
61. Raheel Ayub 2016 Synthesis and characterization of cobalt ferrite polymer Nanocomposites
62. Noreen Sadaf 2016 Removal of Methylene Blue and Brilliant green by Polyaniline and composites with Rice Husk and Wheat Husk from Aqueous Solutions
63. Hira Ahmad 2017 Synthesis and characterization of cobalt ferrite polymer Nanocomposites
64. Ilsa Saeed 2017 Synthesis and characterization of PANI/ZnFe₂O₄

Nanocomposites

65. Ayesha Zahra 2017 Synthesis and Characterization of Citric Acid Functionalized Cobalt Ferrite Nanocomposites as a carrier of Anti-Cancer Drug Doxorubicin
66. Hira Ahmad 2017 Synthesis and characterization of cobalt ferrite polymer Nanocomposites
67. Khadija Amin 2017 Synthesis of Copper nanoparticles using syzygium cumini optimization and its catalytic activity and characterization of cobalt ferrite
68. Sania Amjad 2017 Synthesis and characterization of nanocomposites of PANI/Graphene/ZnFe₂O₄
69. Muhammad Shahbaz 2017 Synthesis and characterization of PANI composites with Citrus Aurantifolio Leaves and their Use for Removal of Methylene Blue dye from water
70. Sobia Ghaffar 2018 Synthesis of Characterization and Electrical Conductivity of Polypyrrole-Bentonite Composites
71. Khansa Rashid 2018 Synthesis and Application of Polyaniline and its Composite Pani/MI for the Adsorptive Removal of Methyl Orange and Metanil Yellow
72. Hafsa Zahid 2018 Adsorption of Methyl Orange and Metanil Yellow Dye with Polyaniline and its Composite with the Leaves of *Psidium guajava*
73. Muniba Aslam 2019 Conductivity Analysis of Polypyrrole Silver Nanocomposites by Citrus limon Leaves
74. Fatima Aziz 2019 Conductivity Analysis of Polyaniline Silver Nanocomposites in Citrus Limon Leaves

Ph.D Students

1. Waheed Mushtaq 2018 Synthesis and characterization of Polymer/Ferrite Nano-composites to enhance their application in biomedical field.
2. Khalil Ahmed 2019 Synthesis and Characterization of high Dielectric constant polymer composites
3. Shamaila Iram (Thesis Submitted) Development of Luminescent Lead and Bismuth Based Metal Organic Frame Works

- | | | | |
|----|--------------|--------------------|--|
| 4. | Khalid Javed | Continue | Development and Characterization of Environmentally Stable Conducting Polymers/Ceramic Composites |
| 5. | Saira Ishaq | (Thesis Submitted) | Study of Structural and Electrical Properties of Polymer Nanocomposites” |
| 6. | Sahar Fatima | Continue | Synthesis, Structural, Magnetic and ion-exchange studies of co-polymers derived from polystyrene |
| 7. | Ejaz Ahmad | Continue | Study of the Structural and Electrical Properties of various Graphene-Based Ternary Nanocomposites |
| 8. | Ammara Nazir | Continue | |