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Name	Dr. Mujtaba Ellahi Mahar			
Designation	Ass: Professor (BPS- Regular)			
Department	Chemistry			
Faculty	Basic Sciences			
World Scientist Ranking	https://www.adscientificindex.com/scientist/mujtaba-ellahi/525086#			
Research Profile	<p>Researcher ID: B-6388-2014 https://www.webofscience.com/wos/author/record/B-7624-2016 https://orcid.org/0000-0002-8570-6971 Loop profile: 333470 https://www.scopus.com/authid/detail.uri?authorId=55279878700 Scopus Author ID: 55279878700 https://sciprofiles.com/profile/DrMujtabaEllahi Sci: Profiles: 2239942 https://www.researchgate.net/profile/Mujtaba-Mahar Google Scholar Profile ID https://scholar.google.co.th/citations?hl=en&user=Rvw0JRcAAAAJ</p>			
Founder	<p>1.Smart Glass Technology https://technologyportal.comstech.org/job/smart-glass-technology 2.Smart Organic Soap https://technologyportal.comstech.org/job/smart-organic-soap</p>			
E-mail address	Official	mujtaba.elahi@buitms.edu.pk		
	Personal	mujtaba.ellahi@gmail.com		
Telephone Number	Office Extension	+92-81-111-717-111 (312)		
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Qualification				
Year	Degree/Certificate	Name of the Institute/ University	Field of study	
2010-2013	Ph.D	University of Science and Technology Beijing, P.R.China	Materials Science and Engineering (Analytical Polymer Chemistry)	
2000-2001	M.Sc(Hons)	University of Sindh, Jamshoro	Analytical Chemistry	
1997-2000	B.Sc (Hons)	University of Sindh, Jamshoro	Chemistry	
Some Important Selected Publications in HEC Recognized journals				
S. No	Title of Paper	Name of Journal	National/ International	Publication Year

1.	Influence of the multi-functional epoxy monomers structure on the electro-optical properties and morphology of polymer-dispersed liquid crystal films	Polymer Bulletin	International	2013
2.	Antibacterial Properties of Binuclear Zn (II)-Azomethine Complexes Derived from Diaminodiphenylsulphide Bridged Spacer	Scientific Inquiry and Review	International	2022
3.	Morita Baylis Hillman Adduct Serves as Ligand in the Synthesis of Transition Metal Complexes Exhibiting Antibacterial Activity	Pharmaceutical Chemistry Journal	International	2022
4.	Recent Trends in Luminescent Zn(II) and Ir(III) Complexes Bearing a Variety of Schiff Base Ligands	MALAYSIAN JOURNAL OF CHEMISTRY (MJChem)	International	2022
5.	Study on the effects of isotropic cross-linked pristine morphology and electro-optical properties of PDLC films	Polymer Bulletin	International	2015
6.	Synthesis and Biological Activity of Morita Baylis Hillman Adducts and their Oximes	Pharmaceutical Chemistry Journal	International	2022
7.	Characterization and Morphology of Polymer-Dispersed Liquid Crystal Films	Soft Materials	International	2014
8.	The UV polymerization temperature dependence of polymer dispersed liquid crystals based on epoxies/acrylates hybrid polymer matrix components	Liquid Crystals	International	2012
9.	Anti-obesity effect of the bacterial product nisin in an NIH Swiss mouse model	Lipids in Health and Disease	International	2023
10.	FePt ₃ /CoFe ₂ O ₄ core/shell nanostructures and their magnetic properties	Chemical Physics Letters	International	2012
11.	Study of polymer dispersed liquid crystal systems using epoxies / acrylates as hybrid polymer matrix components	Liquid Crystals	International	2012
12.	Controlled synthesis, phase formation, growth mechanism, and magnetic properties of 3-D CoNi alloy microstructures composed of nanorods	Crystal Engineering Communication	International	2013
13.	Theoretical study of the effect of ion trap geometry on the dynamic behavior of ions in a Paul trap	International Journal of Mass Spectrometry	International	2012
14.	Effects of di and tetra functional epoxy monomers structure on the morphology and the electro-optical properties of polymer-dispersed liquid crystal films	International Journal of Scientific & Technology Research	International	2013
15.	Hydrothermal synthesis, characterization, and hydrogen storage of Sn Nanorods	Material Letters	International	2013

16.	Influence of enhanced curing temperature of epoxy monomers structure on the electro-optical properties and morphology of polymer-dispersed liquid crystal films	American Journal of Engineering Research	International	2013
17.	Fabrication of CoNi alloy hollow nanostructured microspheres for hydrogen storage application	Journal of Nanoparticle Research	International	2013
18.	Preparation and Electro-Optical Properties of Polyurethane Matrix Based Polymer Dispersed Liquid Crystal Films	Chinese journal of liquid crystals and displays	International	2013
19.	Fabrication and Electrical characteristic of quaternary ultrathin HfTiErO thin films for MOS devices grown by rf sputtering	Chemistry and Materials Research	International	2013
20.	Polymer-stabilized nano particle-enriched blue phase liquid crystals	Journal of Material Chemistry C	International	2013
21.	Electrical and Photonics Characteristics of Hftiero Thin Films Deposited at 673 K Substrate Temperature	Sindh University Research Journal Sci: Series	National	2013
22.	Exchange interaction, electronic structure and magnetic properties of (LaMnO ₃) _m /(SrTiO ₃) _n superlattices: Ab initio study	Journal of Alloys and Compounds	International	2014
23.	Effect of impact force on Ti-C10Mo alloy powder compaction by high velocity compaction technique	Materials and Design	International	2014
19.	Study on the effects of epoxy resin based PDLC films using poly thiol group (-SH) as hardener and catalyst	Materials Focus	International	2015
20.	STUDY THE EFFECTS OF FLUORIDE ON DENTAL FLUOROSIS IN SECONDARY SCHOOL OF QUETTA REGION	ACADEMIA LETTER	International	2021
21.	Optimized Process Scheme Selection for Nitrogen Removal from Natural Gas and Present Accurate Equation of State Model	Mehran University Research Journal of Engineering and Technology	National	2022
22.	Single crystalline Nano Octahedron of NiFe ₂ O ₄ : Gram scale Synthesis, magnetic and optical properties	Material letter	International	2016
23.	Electro-optical properties of PDLC Films using Diethylene tri amine.	Molecular Crystal & Liquid Crystal	International	2016
24.	Hydrodynamic Modeling of Ionic Liquids and Conventional Amine Solvents in Bubble Column	Chemical Engineering Research & Design	International	2018
25.	Morphological Study of PDLC films with Refractive Index Using Catalyst	Pakistan Journal of Engineering and Applied Sciences	National	2017
26.	Study the effects of epoxy/tri functional mercaptan resin's structure based PDLC films	IOP Conference Series: Materials Science and Engineering	International	2018

27.	Assessment of Fluoride in drinking water and its correlation with different physicochemical parameters in the selected areas of Quetta, Pakistan	IOP Conference Series: Materials Science and Engineering	International	2018
28.	Pinning effects of Epoxy based Smart Glass thin PDLC films	Molecular Crystal & Liquid Crystal	International	2019
29.	Preparation of silver nanoparticles (AgNPs)-doped epoxy-based thin PDLC films (smart glass)	Polymer Bulletin	International	2021
30.	Direct Synthesis of and in silico studies of MBH adducts derived amide : new beta lactamase inhibitors	Journal of Molecular Structure	International [Under Review]	2023
31.	Switchable Technology	Polymer in Progress [A Review Article]	International [Under Review]	2023
32.	Penta – Functional based ITO coated thin Glass film	Polymer Bulletin	International [Under Review]	2023

Some Important Selected Papers Presented in Conference

S. No	Title of Paper	Name of Conference	National/ International	Year
1.	Effects of the content of Epoxy Monomers on the Electro-Optical Properties and reducing morphology of Polymer-Dispersed Liquid Crystal films	International Conference on Engineering & Applied Sciences (ICEAS-2012) Beijing, P.R. China	International	2012
2.	Influence of the multiple crack growth effect of Epoxy Monomers Structure on the Electro-Optical Properties and morphology of Polymer-Dispersed Liquid Crystal films	The 2 ND International Conference on Engineering & Applied Sciences (ICEAS-2013) at Tokyo, Japan.	International [Invited Speaker]	2013
3.	Study on the electro-optical properties of PDLC films (Smart glass) using Diethylenetriamine (DETA) hardener	EMN Meeting on Liquid Crystal, at the Radisson Resort Orlando-Celebration Hotel, Orlando, USA.	International [Invited Speaker]	2016
4.	Preparation of PDLC films (Smart glass) using Tri methanol amine (TMA) catalyst via heat curing PIPS method	3D and Materials Research (CC3DMR), in Cheon / Seoul, South Korea.	International	2016
5.	Study on the Effects of Epoxy Resin Based PDLC Films Using Triethanolamine (TEA) as Catalyst	Materials and Process Engineering, at the NED University Science and Technology, I.R. PAKISTAN	National	2015

6.	Study the electro-optical properties of PDLC films (smart glass) with refractive index using catalyst	14 th EURASIA CONFERENCE ON CHEMICAL SCIENCES (EuAsC2S-14) DECEMBER 15 – 18, 2016, KARACHI , I.R. PAKISTAN	National	2016
7.	Morphological Study of PDLC films with Refractive Index Using Catalyst.	INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND EMERGING TECHNOLOGIES 2016 (ICAMET 2016), Lahore , I.R. PAKISTAN	National	2016
8.	Comparative Analysis of Epoxy Based Thin PDLC films Via PIPS Method	Collaborative Conference on Materials Research (CCMR) 2017, Jesu Island, South Korea	International [Invited Speaker]	2017
9.	Electro-clinic Effects of Polymer Network on Polymer Disperse Liquid Crystal (PDLC) films	INTERNATIONAL CONFERENCE ON NANO-COMPOSITES AND MULTI-FUNCTIONAL MATERIALS (ICNMM), NUST; ISLAMABD , I.R. PAKISTAN	National	2017
10.	Study the effects of epoxy/tri functional mercaptan resins structure based PDLC films	1 st International Conference on Advances in Engineering and Technology (ICAET-2018). BUIITEMS, QUETTA	National	2018
11.	Study of the Fluoride assessment in correlation with different physicochemical parameters in drinking water of some areas of Quetta, Pakistan	1 st International Conference on Advances in Engineering and Technology (ICAET-2018). BUIITEMS, QUETTA	National	2018
12.	Polythiol Hardener Based Smart Glass Technology Use to Virus Covid-19 challenges	3. International Conference on Technology and Science Techno-Science 2020, December 18-20, 2020, Antalya, Turkey	International	2020
13.	Poly (propylene glycol) bis (2-aminopropyl) ether (POPDA) Hardener Based Smart Glass Technology Use to Virus Covid-19 challenges	1st International Industrial Chemistry Conference (IICC-2021) 26-28th February, 2021	International Link # https://icape2021.neduet.edu.pk/	2021

14.	Epoxy Resins Based Smart Glass Technology Use to Virus Covid-19 challenges	3. International Conference on Technology and Science Techno-Science 2020, December 18-20, 2020, Antalya, Turkey	International [Invited Speaker]	2021
15.	Study the Morphology and Electro-Optical Properties of Penta-Functional Epoxy Matrix Based Thin PDLC Films	3 rd Annual International Conference 3 rd Annual International Conference on Advances in Materials Science (AIMS) on Advances in (AIMS)	International [Invited Speaker]	2022
16.	Smart ITO coated Glass Technology	International conference of the smart technology E-Palli Conferences Malaysia	International [Invited Speaker]	2022
17.	3-Diethylaminopropylamine (DEAPA) Hardener Based PDLC Films Technology	19 th International & 31 st National Conference of Emerging Trends In Chemistry, Lahore	International [Invited Speaker] https://nicc.umt.edu.pk/	2021
18.	STUDY THE EFFECTS OF FLUORIDE ON DENTAL FLUOROSIS IN SECONDARY SCHOOL OF QUETTA REGION	International Conference on Energy, Water, and Environment, Lahore	International https://drive.google.com/file/d/1tiox5KIU-O1MpaehPgSxOjKBZcvsNXH/view?usp=sharing https://conferences.uet.edu.pk/icewe/2021/final-proceedings/	2021
19.	Comparative analysis of PIPS and SIPS methods of PDLC films	20 th International and 32 nd National Chemistry Conference on "Chemical Sciences and Sustainable Development Goals Organized by KFUEIT and CSP	International [Invited Speaker] https://kfueit.edu.pk/20th-international-and-32nd-national-chemistry-conference-chemical-sciences-and-sustainable-development-goals-organized	2022
20.	Preparation of PDLC films using Zeolite Catalyst	2 nd International Industrial Chemistry Conference (IICC-2023) 3 rd - 4 th March, 2023	International [Invited Speaker]	2023

**Some Important Selected Workshop,
Training, Symposium & Webinar**

S.NO.	Name Workshop & Training	Institution/Organization	National/ International	Year
1.	Seminar cum workshop on new trends in Electro-chemistry	LEJ, Research Institute of Chemistry, at Université of Karachi.	National	2015
2.	Webinar International prospective on industrial chemical safety & security, Jointly organized by the ICCBS & CRDF Global (USA)	LEJ, Research Institute of Chemistry, at Université of Karachi.	National	2015
3.	EMN Meeting on Liquid Crystal	Radisson Resort Orlando-Celebration Hotel, Orlando, USA.	International	2016
4.	5th International Symposium-cum-Training Course on Molecular Medicine & Drug Research	Université of Karachi.	National	2015
5.	Two days' Workshop on "Intellectual Property Rights Management Through Patents"	Université of Karachi.	National	2015
6.	Effective management skills a course attend in professional skill development program,	Université of Karachi.	National	2015
7.	University Teaching	BUIITEMS	National	2017
8.	Intellectual Property, Patent & Trademark	BUIITEMS	National	2017
9.	Professional Development Training Program	BUIITEMS	National	2016
10.	Orientation Workshop on SPSS & STATA	BUIITEMS	National	2016
11.	Pharmacopeia Modernization: How Will Your Chromatography Workflow Benefit?	On Internet (Webinar)	International	2018
12.	Efficient Microstructure Characterization of Metals using Light Microscopy	On Internet (Webinar)	International	2018

13.	Oxford Machine Learning Summer School	Virtual Event	International	2020
14.	Annual Innovation Summit	Virtual Event	International	2020
15.	Wiley Analytical Science Conference	Virtual Event	International	2020
16.	Protection of Intellectual Property: Filing Process & Prosecution of Patents	Organized by Oric UMT ,Lahore	National	2021
17.	UV-Vis spectroscopy for validate Pharmaceutical testing	Virtual Event	International	2021
18.	BIO Remediation: ECO Sustainable green technology	Pastic, Karachi	National	2021
19.	Seminar / Poster & Project Exhibition	BUIITEMS, Quetta	National	2021
20.	Wolters Kluwer OVID data base	Virtual Event	International	2022
21.	International Symposium of Excellence Science	HEJ, University of Karachi	International	2022
22.	Research Data Management: why it matter and how to manage	At Elsevier Asia Pacific , Islamabad	International	2022
23.	Which competence do teachers educator need in supporting teacher online	British council , Islamabad	International	2022
24.	Crystal orientation with the Laue method	Virtual Event	International	2023
25.	Exploring NMR Spectroscopy , Principals, Techniques ,and Applications	OIC Ministerial Standing Committee on scientific & technological co-operation (COMSTECH),Islamabad	International	2023
26.	How to secure funding by International Research Organizations	By SAGE	International	2023
27.	Engaging of open science of 2023:PREPRINTS	Intech Open Journals	International	2023
28.	Bio- Chemistry Symposium [A Future with Bio-Chemistry]	UIT, University of Karachi	International	2023
29.	International Youth Conference	USA, Florida	International	2023
30.	PFAS Analysis - What's possible with unique technologies?	Virtual Event	International	2023

Books/Chapter, Authored/ Edited

S. No	Name of Chapter	Publisher	ISBN
1.	Study the Toxic Effects BPA on Fetuses, Infants, and Children	Intech Open Science/Zagreb, Croatia	978-953-51-5346-7
2.	Smart thin PDLC films [Book]	Cambridge	Under review
3,	Water and Environment [Chapter]	Cambridge	Under review

PATENT FILED.

1. "Preparation of smart glass panel via PIPS method" (Application No. & Dated 764/2020)
<https://ipo.gov.pk/system/files/210105.pdf>
2. "Synthesis of Ionic Liquids and Heterogeneous Catalysts for biodiesel Production from Jatropha Oil and their detail Comparative Study" (Application No. & Dated 511/202) <https://ipo.gov.pk/system/files/2108112.pdf>
3. "Preparation of the Anti-viral Covid-19 Smart Soap by the effective index method" (Application No. & Dated 584/2021)
<https://ipo.gov.pk/system/files/210914.pdf>
4. "Preparation of the smart Organic Based Shampoo" (Application No. & Dated 970/2021)
<https://ipo.gov.pk/system/files/220120.pdf>
5. "Development of anti-viral smart organic soap with Silver Nanoparticles (AgNPs)" (Application No. & Dated 312/2022)
<https://ipo.gov.pk/system/files/220521.pdf>
6. "Preparation of epoxy based thin PDLC films (Switchable Smart Glass) doped with multi-functional Nanoparticles" (Application No. & Dated 619/2022)
<https://ipo.gov.pk/system/files/221004.pdf> [*Under Review Examiner*]
7. "Preparation of the ecofriendly smart organic biodegradable paper soap" (Application No. & Dated 630/2022) [*Filed*]
<https://ipo.gov.pk/system/files/221007.pdf> [*Under Review Examiner*]

Work Experience

S. No	From (year)	To (year)	Name of the Institution/ Organization	Position held
1.	Oct: 2001	Aug:2010	Mir Sher Muhammad Talpur Public College Mirpurkhas, Sindh	Lecturer in Chemistry, BPS-17
2.	Aug:2010	Sept:2013	University of Science and Technology Beijing, P.R.China	Ph.D. Research Fellow
3.	Sept:2013	Sept:2014	Department of Chemical Engineering, University of Karachi	Assistant Professor (IPFP), BPS-19
4.	Sept:2014	June-2015	H.E.J. Research Institute of Chemistry, University of Karachi	Research Officer BPS-18
5.	July-2016	Till date	BUIITEMS, Quetta Balpchistan	Ass: Prof. BPS-
6.	Total Experience	09 Years Teaching Mir Sher Muhammad Talpur Public College Mirpurkhas, Sindh	Nearly 13 Years Research and Teaching University Experience	Till now total 23 Years' Experience [both Research and Teaching]
Area of specialization			Analytical Polymer Chemistry, Nanotechnology, and Materials Chemistry	
Expertise			Smart Glass thin PDLC films.	

HEC Approved supervisor	<p>Yes (Application Id # 31,839) https://www.hec.gov.pk/english/scholarshipsgrants/ASA/Pages/APS-EPORTAL.aspx EPORTAL.aspx</p>
Area of Research Interest	<p>Dr. Ellahi area of research interest includes, Energy-saving Materials, liquid crystal photonic devices, Light responsive liquid crystal material, Temperature sensitive liquid crystal material, Electric field sensitive liquid crystal material, and Liquid crystalline (LC) polymer materials for smart glass thin PDLC films using multifunctional epoxy monomers, different Hardeners, and Catalysts via heat curing Polymerization Induced Phase Separation (PIPS) method. Study the nanomaterials doped in smart glass display technology.</p> <p>Monomer synthesis Polymer composites Copolymerization Bio composites Smart glass technology Nano soft materials and Polymer Science Organic Soap & Biodegradable Paper Soap Water and Environment </p>
Skills and expertise	<p>Electron Microscope , Nanoparticles , Scanning Electron Microscopy, Polymers , (VIS) region using UV-VIS-NIR spectrophotometer , Refractometer, Material Characterization, Nanoparticle Synthesis, DSC, Polymeric Material, Thin Films and Nanotechnology, Transmission Electron Microscopy (TEM),LCD detector tester parameter, X-RD ,AFM etc.</p>
Languages	<ul style="list-style-type: none"> • Chinese simplified • English • Urdu • Sindhi • Hindi
Other Expertise	<ul style="list-style-type: none"> • Orator • Motivator • Entrepreneur

Additional Information

1. Supervised (10) MS students.
 2. Two Ph.d Students (research in progress).
 3. Four (06) MS-Student's research in progress.
 4. Ten (20) BS- Student's research in progress.
- Co-Supervised Four MS students.
 - Member of Departmental Inspection committee.
 - Member of Departmental Research committee.
 - Member of Departmental Examination committee.
 - Attend as a Co-operative member from Department of Chemistry the 5th of Board of Studies meeting Department of Chemical Engineering at BUITEMS, 2016.
 - Contribute to prepare the Department Prospectus.
 - Contribute to prepare the MS-Chemistry Course outline for Meeting of Board of Studies Department of Chemistry, 2017.
 - Attend as a faculty member the 2nd board of studies meeting of Department of Chemistry was held on Monday, October 9; 2017 at BUITEMS.
 - Committee member of "*The EMN Liquid Crystal Meeting*", Nov: 26 to 30, 2017 was held in *Mauritius*.
 - **Invited Speaker** at "*INTERNATIONAL CONFERENCE ON NANO-COMPOSITES AND MULTI-FUNCTIONAL MATERIALS (ICNMM)*", August **21-23, 2017**, was held in NUST, ISLAMABAD, PAKISTAN.
 - **Invited Speaker** at "*3rd INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND PROCESS ENGINEERING 11 & 12 DECEMBER 2019 WAS HELD IN NED UNIVERSITY KARACHI, I.R. PAKISTAN.*
 - Member of **HEC** scrutiny committee of various projects.
 - Member of **PSF** scrutiny committee of Materials, AI, and Nano projects.
 - Official Ambassador of IYC, USA ,2022-2023 from Pakistan
 - Life time member of ACS.
 - Life time member of Pakistan chemical society.
 - Focal person of the SDG's from Department of Chemistry.
 - Official member of NIB and GIL Pakistan.

Mega Achievements [Startup & Entrepreneur]

- Secured **1st Prize 40,000/- PKR** in 4th Invention & Innovation Summit, in Balochistan University September 24-25, 2019.
Link # <http://www.innovationsummit.net/wp-content/uploads/2019/11/Cash-Award-Winner.pdf>
- Secured **2nd Prize 80,000/- PKR** in ALL Pakistan DICE Agriculture and Food Sciences (DICE-AFS) Innovation Event on 9-10 October 2019 at MNS (Mian Nawaz Sharif) University of Agriculture Multan.
Link # <https://mnsuam.edu.pk/index.php/winners-of-dice-afs-2019>
- Secured **Special Prize 20,000/- PKR** in ALL Pakistan DICE Agriculture and Food Sciences (DICE-AFS) Innovation Event on 2021 at MNS (Mian Nawaz Sharif) University of Agriculture Multan.
Link # <https://mnsuam.edu.pk/index.php/winners-of-dice-afs-2021>
Link # <https://www.youtube.com/watch?v=BVPe-LcqVdI>
- HEC-TDF-054 project Successful Story in 01-12-2022 BUITEMS, Quetta, Balochistan.
- Secured **2nd Prize 80,000/- PKR** in ALL Pakistan DICE Agriculture and Food Sciences (DICE-AFS) Innovation Event on 2022 at MNS (Mian Nawaz Sharif) University of Agriculture Multan.
Link # <https://mnsuam.edu.pk/index.php/afs>
- SEE Pakistan 2022, National Startup Championship (NSC) held in the Expo Center Lahore 18 August 2022, secured special appreciation certificates with a cash prize.
Link # <https://seepakistan.com.pk/>

Research grants/ Projects

Project Title	Applicants remains as PI or Co-PI in the project	Duration (session)	Total Amount of Grant	Funding Agency	Present Status
1. Single crystalline Nano Octahedron of NiFe ₂ O ₄ : Gram scale Synthesis, magnetic and optical properties	Co-PI	FY 2014-2016	4.5 million Yuan	Supported by National Natural Science Foundation of P.R. CHINA (Grant nos: 51371105 and 51071023)	Completed
2. Study on the effects of isotropic cross-linked pristine morphology and electro-optical properties of PDLC films	Co-PI	FY 2013-16	5.9 million Yuan	Supported by the National Natural Science Foundation P.R. CHINA (Grant No.51272026 and 51273022),	Completed
3. Preparation of thin Smart glass films via PIPS Method Using TYETA Hardener	PI	FY 2017-18	0.2 million PKR.	No. 01/ Research Projects/ ORIC/ BUIITEMS/ 2011/ 610	Completed
4. Study on the effects of silver nano particles (AgNPs) in epoxy monomers based PDLC films (Smart glass)	PI	FY 2017-19	13.654 Million PKR.	HEC-No. TDF02-054	Completed
5. Studies on synthesis of Schiff bases and evaluating scope of Morita Baylis Hillman (MBH) adducts	Co-PI	FY 2018-19	0.198 Million PKR.	No. 01/ Research Projects/ ORIC/ BUIITEMS/ 2011/ 325	Completed
6. Study the effects of epoxy/tetra functional thiol structure based PDLCs film	PI	FY 2018-19	0.2 million PKR.	No. 01/ Research Projects/ ORIC/ BUIITEMS/ 2011/ 340	Completed
7. Synthesis and Evaluation of Biological Potential of Thiazolidines by using Aliphatic Hydrazones as Synthetic	Co-PI	FY 2018-19	0.180 Million PKR.	No. 01/ Research Projects/ ORIC/ BUIITEMS/ 2011/ 337	Completed

8. "Studies on synthesis of Morita Baylis Hillman (MBH) adducts derivatives"	Co-PI	FY 2019-20	PKR. 159,000/-	No. 01/ Research Projects/ ORIC/ BUIITEMS/ 2011/ 487	Completed
9. "Preparation and Characterization of di,tri and block co-polymers epoxy based thin PDLC films (Smart glass)"	PI	FY 2018-19	PKR 2158366/-	No.9356/Balochistan/ NRPU/R&D/HEC/ 2017	Completed
10. "Smart Glass Technology Use to Curb the Spread of Covid-19 Virus"	PI	FY 2021-2022	PKR 7.5 million PKR. /-	Project No. PSF/CRP/5/PPE/13	Under Review Process

Research Profile

- Impact Factor **195.75**
- Number of Citations **1742**
- *h* -Index **20**
- *i10*- Index **52**

Scholarships and Awards

1. Award as a productive scientist of Pakistan in **2016** according to Pakistan Council for Science and Technology.
2. Award as a productive scientist of Pakistan in **2017** according to Pakistan Council for Science and Technology.
3. 3rd position in excellent international student scholarship of USTB for year of 2012.
4. Chancellor Scholarships of University of Science and Technology Beijing for Ph.D. Studies.
5. Rotary club international scholarship of youth merit award programme.
6. Tharparkar boy scout's presidential scholarship.
7. Short list for Best Teacher award from HEC, 2021.

International Journal Associate Editor

1. Journal of Mountain Area Research

<https://journal.kiu.edu.pk/index.php/JMAR/about/editorialTeam>

International Journal Reviewer

2. Universal Journal of Materials Science (Horizon Research Publishing Corporation, USA).
3. Journal of Physical Science & Application (David Publishing Company, USA).
4. Journal of Material Science: Advanced Composite Materials (Whioce Publishing, Singapore).

4. International Journal for Research in Applied and Natural Science (Green Publication).
5. SCIREA Journal of Chemistry, (Publishing, Singapore).
6. Evaluator and Reviewer of Research Projects/Proposal of Higher Education Commission of Pakistan (HEC).
7. Evaluator and Reviewer of Research Projects/Proposal of Pakistan Science Foundation (PSF).

Membership

1. Vice President Chemical Society of Pakistan (*Balochistan Chapter*).

2. Focal Person SDG's

3. Member of NIC, NIB, and GIL

4. IUPAC Affiliate Fellow for the year 2015.
5. The Chinese Academy of Chemical Sciences.
6. The Chemical Society of Pakistan.
7. Member of the Pakistan Association for the Advancement of Science.
8. Member of the International Scientific Committee of Chemical and Materials Engineering.

Web Links:

1. <https://www.youtube.com/watch?v=BVPe-LcqVdI>
2. https://www.youtube.com/watch?v=BHO_9iWJrM
3. <https://www.youtube.com/watch?v=fGulrWvyNbo>
4. <https://www.youtube.com/watch?v=i28Gq6-fmXc>
5. <https://www.buitms.edu.pk/Research/>

