

Mubashir Gulzar

Lecturer

College of Electrical & Mechanical Engineering

Email:

Contact:

LinkedIn:

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About

Dr. Mubashir Gulzar is working as Lecturer in the College of Electrical & Mechanical Engineering. Dr. Mubashir Gulzar has a PhD in Mechanical Engineering. Dr. Mubashir Gulzar has published 14 research articles & conference papers having a citation count of 773, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mechanical Engineering	2014 - 2017
MS in Industrial Manufacturing Engineering NUST, Islamabad , Pakistan	2009 - 2011
BE in Mechanical Engineering NUST, Islamabad , Pakistan	2005 - 2009
F.Sc in Pre Engineering	2003 - 2005
Matric (SSC) in Science	2001 - 2003

Experience

Lecturer College of Electrical & Mechanical Engineering	2016- Present
Lecturer College of Electrical & Mechanical Engineering	2012 - 2012
Lecturer NUST College of E&ME , Peshawar Road, Rawalpindi	2012 - 2017
Lab Engineer NUST College of E&ME , Peshawar Road Rawalpindi	2010 - 2011

Research Articles

Decomposition-adsorption-deposition: An effective and novel technique for synthesis of hexagonal boron nitride microsheets <i>Pervaiz Ahmad Mayeen Uddin Khandaker Nawshad Muhammad Iftikhar Ahmad M. Abdul Rauf Khan Ayaz Arif Khan Ghulamullah Khan Amir Sada Khan Zahoor Ullah Fida Rehman Syed Muzamil Ahmed Hazrat Ali Muhammad Abdur Rehman Mubashir Gulzar Javed Iqbal Syed Tawab Shah Sohail Ahmed Muhammad Shafiq</i> <i>Materials Science in Semiconductor Processing</i> , Volume: 88, Pages 161-166 Impact Factor: 2.722 Quartile: 2 Citations: 1 DOI: DOI: 10.1016/j.mssp.2018.08.002	2018
Tribological compatibility analysis of conventional lubricant additives with palm trimethylolpropane ester (TMP) and tetrahedral amorphous diamond-like carbon coating (ta-C) <i>Dr. Riaz Ahmad Mufti Dr. Mubashir Gulzar Dr. Masjuki Dr. Abdullah Alabdulkarem, Dr. Mahendra Varman, Dr. Md Abul . Kalam, Dr. Nurin Wahidah Binti Mohd Zulkifli Dr. Robiah Yunus Rehan Zahid</i> <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , NULL Impact Factor: 1.137 Quartile: 3 Citations: 1 DOI: 10.1177/1350650117746803	2018
The effect of particle size on the dispersion and wear protection ability of MoS2 particles in polyalphaolefin and trimethylolpropane ester <i>Khalid Mahmood Mubashir Gulzar Abdullah Alabdulkarem M. A Kalam Pervaiz Ahmad M. S. S Malik Rehan Zahid H. H Masjuki M. Varman N.W.M Zulkifli</i>	2018

Impact Factor: 1.137 | **Quartile:** 3 | **Citations:** 11

DOI: 10.1177/1350650117749404

Chemically active oil filter to develop detergent free bio-based lubrication for diesel engine 2017

Mubashir Gulzar H.H. Masjuki Abdullah Alabdulkarem M.A. Kalam M. Varman N.W.M. Zulkifli Rehan Zahid R. Yunus

Energy, Volume 124, Pages 413-422

Impact Factor: 4.968 | **Quartile:** 1 | **Citations:** 10

DOI: DOI:10.1016/j.energy.2017.02.072

A Review on Effects of Lubricant Formulations on Tribological Performance and Boundary Lubrication 2017

Mechanisms of Non-Doped DLC/DLC Contacts

Rehan Zahid Masjuki Bin Haji Hassan Mahendra Varman Riaz Ahmad Mufti Md. Abul Kalam Nurin Wahidah Binti Mohd Zulkifli Mubashir Gulzar

Critical Reviews in Solid State and Materials Sciences, Volume 42, Issue 4, Pages 267-294

Impact Factor: 5.656 | **Quartile:** 1 | **Citations:** 32

DOI: <http://dx.doi.org/10.1080/10408436.2016.1186599>

Effects of biodiesel blends on lubricating oil degradation and piston assembly energy losses 2016

Mubashir Gulzar H.H. Masjuki M. Varman M.A. Kalam N.W.M. Zulkifli Riaz Ahmad Mufti A.M. Liaquat Rehan Zahid A. Arslan

Energy, Volume 111, Pages 713-721

Impact Factor: 4.520 | **Quartile:** 1 | **Citations:** 51

DOI: 10.1016/j.energy.2016.05.132

Tribological performance of nanoparticles as lubricating oil additives 2016

Mubashir Gulzar H. H. Masjuki M. A. Kalam M. Varman N. W. M. Zulkifli Riaz Ahmad Mufti Rehan Zahid

Journal of Nanoparticle Research, Volume 18, Article Number 223

Impact Factor: 2.020 | **Quartile:** 2 | **Citations:** 373

DOI: doi:10.1007/s11051-016-3537-4

Influence of intrinsic and extrinsic conditions on the tribological characteristics of diamond-like carbon 2016

coatings: A review

Rehan Zahid Haji Hassan Masjuki Mahendra Varman Muhammad Abul Kalam Riaz Ahmad Mufti Nurin Wahidah Binti Mohd Zulkifli Mubashir Gulzar Siti

Safiyah Binti Nor Azman

Journal of Materials Research, Volume 31, Issue 13, Pages 1814-1836

Impact Factor: 1.673 | **Quartile:** 3 | **Citations:** 36

DOI: doi:10.1557/jmr.2016.31

Study of tribological properties of lubricating oil blend added with graphene nanoplatelets 2016

Siti Safiyah Nor Azman Nurin Wahidah Mohd Zulkifli Hassan Masjuki Mubashir Gulzar Rehan Zahid

Journal of Materials Research, Volume 31, Issue 13, Pages 1932-1938

Impact Factor: 1.673 | **Quartile:** 3 | **Citations:** 124

DOI: <https://doi.org/10.1557/jmr.2016.24>

Tribological Characteristics of Calophyllum inophyllum–Based TMP (Trimethylolpropane) Ester as 2015

Energy-Saving and Biodegradable Lubricant

M. Habibullah H. H. Masjuki M. A. Kalam Mubashir Gulzar A. Arslan Rehan Zahid

Tribology Transactions, Volume 58, Issue 6, Pages 1002-1011

Impact Factor: 1.418 | **Quartile:** 2 | **Citations:** 58

DOI: <https://doi.org/10.1080/10402004.2015.1025934>

Effect of Lubricant Formulations on the Tribological Performance of Self-Mated Doped DLC Contacts: a 2015

review

Rehan Zahid H. H. Masjuki Mahendra Varman Riaz Ahmad Mufti Md. Abul Kalam Mubasher Gulzar

Tribology Letters, Volume 58, Article Number 32

Impact Factor: 1.758 | **Quartile:** 2 | **Citations:** 54

DOI: DOI:10.1007/s11249-015-0506-5

AW/EP behavior of WS₂ nanoparticles added to vegetable oil-based lubricant

2015

*Dr. Mubashir Gulzar HH Masjuki MA Kalam M Varman Dr. Riaz Ahmad Mufti Dr. Rehan Zahid Robiah Yunus
Malaysian International Tribology Conference 2015, res.country(157,)*

Citations: N/A

DOI: Nil

Comparison of tribological performance of zinc dialkyldithiophosphate (ZDDP) in poly-alpha-olefin (PAO) and palm oil-based trimethylopropane (TMP) Ester

2015

*Dr. Rehan Zahid HH Masjuki M Varman Dr. Riaz Ahmad Mufti MA Kalam Dr. Mubashir Gulzar Robiah Yunus
Malaysian International Tribology Conference 2015, res.country(157,)*

Citations: N/A

DOI: Nil