

Annexure R (Dr. Riffat Asim Pasha)

List of Publications

1. Riffat Asim Pasha, M. Asif Khan, "Acoustic Emission as Real Time NDT Technique" Technical Journal, UET Taxila (2005) p. 89-95.
2. Riffat Asim Pasha, H. Sana Ullah ,M.Z.Khan, "Estimate the Thermo mechanical Fatigue Life Of Two Flip Chip Packages" Proceedings of 9th International Symposium On Advance Materials(ISAM-2005), p.657-662
3. Riffat Asim Pasha, M. Asif Khan, "An Acoustic Emission Investigation Of Micro Fracture Processes in Nuclear Pressure Vessel Steel" Technical Journal, UET Taxila (2006) p. 149-161.
4. M.M.I Hammouda, M.B.Sajid, R.A.Pasha, "Numerical Approach to the Mechanics Of Disc-Blade Dovetail Joints In Aero-Engine Compressors" 14th International Conference On the Strength of Materials, Xi, an China, 4-9 June, 2006.
5. M.M.I.Hammouda, R.A.Pasha, I.G.El-Batanony, "Probable Cracking Development in Axial Dovetail Joints of Aero Engine Compressor Discs" International Conference on "Crack Paths" (CP 2006) Parma, Italy, 14-16 September, 2006
6. Riffat Asim Pasha, M.Z.Khan, "Recent Developments In Piezoelectric Ceramics Materials and Deteriorations of their Properties" Proceedings of Second International Conference on Frontiers of Advanced Engineering Materials(04-06 Dec,2006) p.13-19
7. Riffat Asim Pasha, Zahid Suleman Butt, M. Asif Khan, "Rule based expert system on the basis of estimated technique for the safety evaluation of various materials" Technical Journal, UET Taxila (2007) p.47-54.
8. M.M.I. Hammouda, R.A.Pasha, A.S.Fayed, " Modelling of cracking sites/development in axial dovetail joints of aero-engine compressor discs" International Journal of Fatigue, 29(2007) p. 30-48(**Impact factor Journal**)
9. Riffat Asim Pasha, M.Z.Khan, A.M.Hashmi, "Experimental Procedure of Frequency Determination in Piezoelectric Ceramics Materials, Al-Azhar University Engineering Journal, Vol.2, No. 4. p.380-388 (AEIC- 2007) Cairo Egypt.
10. Riffat Asim Pasha, N.A Choudhary and M. A Nasir, "Fatigue design and validation of an ASME-Coded Pressure Vessel" Technical Journal, UET Taxila (2008) V:13 p.28-30
11. R. A Pasha, M.M.I. Hammouda, " A Model For Notch Fatigue Life" Material Science and Engineering A, 483-484 (2008) p. 319-321(**Impact factor Journal**)
12. Riffat Asim Pasha Zahid Suleman and M. Z. Khan, "Analysis of Thickness Effect on Piezoelectric Beam" Technical Journal, UET Taxila (2009) V:14 p. 50-54.
13. Riffat Asim Pasha, M.Z.Khan, "Thermal Shocking of a Thin Lead Zirconate Titanate Piezoelectric Ceramics disc, Proceedings Pakistan Academy of Science, 46(1):p47-52. 2009.(**HEC recognized**)
14. Riffat Asim Pasha, M.Z.Khan, "Performance Characteristics of a Lead Zirconate Titanate Piezoelectric Ceramic Disc in Water, Vol, 29: No.3 p. 397-404 Mehran University Research Journal of Engineering & Technology 2009. (**HEC Recognized**)
15. Riffat Asim Pasha, Muhammad Zubair Khan, "Effect of Thermal Shocking and Quenching on the Degradation Behaviour of a Thin PZT Disc, Pakistan Journal of Scientific and Industrial Research,2010 53(1) p. 1-5 (**HEC Recognized**)

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16. J.S.Bhatti, R.A.Pasha, "Finite Element Based Design of Piezoelectric Vibration Damper" Key Engineering Materials , Vol. 442 (2010) p. 431-437 (**Impact factor Journal**)
17. Mirza jahanzaib. Riffat Asim Pasha, Zahiz Suleman, Cogeneration an Opportunity for Industrial Energy Saving, Proceedings of the International Conference on Power Generation Systems & Renewable Energy Technologies, 2010, p. 403-409
18. Nadeem Ahmed, Riffat Asim Pasha, MMI Hammouda, "Temperature Effects on Impact Energy of Tungston Alloy" Advanced Materials & Processes (2011) P. 35-37 (**Impact Factor Journal**).
19. Riffat Asim Pasha, Gulistan Raja, Effect of Frequency and Resistance by Temperature Variation on Lead Zirconate Titanate Piezoelectric Ceramics disc, The Nucleus (2011) Vol, 48, No.3 p. 191-197 (**HEC Recognized**).
20. Amir Sultan, Riffat Asim Pasha, Sayyid Masood Ur Rehman Shah, Haris Ali, Asim Zulfiqar "Fatigue Crack Growth Behaviour of AISI 50100 Precipitation Hardened Steel after welding Comparison of Welded and Base Metal in 1045 Steel" Advanced Materials for Applied Science and Technology II.Vol 570-570,(2012) p.9-14 (**ISI Indexed**)
21. Masood Shah; Catherine Mabru; Farhad Rezai-Aria; Ines Souki; Riffat Asim Pasha, An estimation of Stress Intensity Factor in a Clamped SE(T) Specimen through Numerical simulation and Experimental Verification: Case of FCGR of AISI H11 Tool Steel, Acta Metallurgica Sinica(English Letters), (2012) Vol;25 No. 4, p. 307-319(**Impact Factor Journal**)
22. Riffat Asim Pasha, Talal Ahmed, A comparative analysis of orthotropic Elastic Constant of Nomex honeycomb core, The Nucleus 2012 Vol,49,No.2 p. 79-87 (**HEC Recognized**).
23. Riffat Asim Pasha, Khalil-ur Rehman, Masood Shah, Determination And Demarcation Of Fatigue Crack Initiation Phase In Rotating Bending Condition The Nucleus 49, No. 3 (2012) 165-169 (**HEC Recognized**)
24. Riffat Asim Pasha, M. Zubair Khan ,Performance Characteristics Model of A Thin Lead Zirconate Titanate Disc Under Different Conditions, The Nucleus, 49, No.4 (2012) 265-271 (**HEC Recognized**).
25. Amir Sultan, Riffat Asim Pasha, Masood ur Rehman, M.Zubair Khan, M. Afzal Khan, Naeem Ullah Dar, "Numerical simulation and experimental verification of CMOD in SE(T) specimen: Application on FCGR of welded tool steel, Acta Metall. Sin. (Engl. Lett.) 2013 Vol.26 No.1 pp. 92-96 (**Impact factor journal**).
26. A. T. Jarral M.Ali ,M.H Sahir,R.A Pasha,Design Optimization And Analysis Of Vertical Axis Wind Turbine Blade., The Nucleus 50, No.1 (2013) p. 7-12 (**HEC Recognized**).
27. A. T. Jarral ,R.A Pasha, Measurement and Supperssion of cutting tool vibration Using Piezoelectric ceramic in ANSYS, The Nucleus 50, No.2 (2013) p. 149-153 (**HEC Recognized**).
28. A.Hameed, R.A Pasha, A.R. Khan, M.Z.Khan and M.Shah, To investigate the Effect of heat treatment on fracture toughness of welded joints, The Nucleus (2013) 50, No.2, p. 165-172 (**HEC Recognized**).
29. Fatigue Life Estimation of Different Welding Zones of Oxy Acetylene Welded Aluminum Alloy (AA 5052-H32), The Nucleus (2013), 50 No.3,p.261 265(**HEC Recognized**).

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30. Rana Atta-ur-Rahman, M. Ali Nasir, Mudaser Ullah, Riffat Asim Pasha, Nazeer Ahmad Anjum, Shahid Mehmood, M. Muddassar, Ilyas Farooqi, Waqas Asghar, M.Imran, Demarcation of Fatigue Crack Cumulative Damage (Initiation + stage I) of Aluminum Alloy under Combined Loading, Life Science journal, (2013), 10 (12s)pp. 678-683
(Impact factor journal).
31. Ambreen Tajammal Jarral, Riffat Asim pasha, Chatter Measurement on Turning Cutting Tool Using Piezoelectric Ceramic Material, Technical Journal UET Taxila, (2013) Vol. No 18 p. 60-65.
32. M. A. Nasir, Z. Khan, I. Farooqi, S. Nauman, S. Anas, S. Khalil, A. Pasha, Z. Khan, M. Shah, H. Qaiser, R. Ata, “Transverse Shear Behavior of Nomex Core for Sandwich Panels”, Mechanics of Composite Materials, Springer, Vol. 50, No. 6, P. 1-8, 2014.
(Impact factor journal).
33. Muhammad Ali Nasir, Zaffar Khan, et al, “Density variation effects on cross dimension (CD) strength of Phenolic multilayered composites fabricated via VARTM”, The Nucleus 51, No. 1, 2014. P.13-18. **(HEC Recognized)**
34. H.Elahi, R.A Pasha, M.Z Khan, Experimental Determination of Mechanical Quality Factor of Lead Zirconate Titanate (PZT-5A4E) by Equivalent Circuit Method Under Various Thermal and Resistance Conditions. Technical Journal UET Taxila, (2014) Vol. No 19 p. 24-27 **(HEC Recognized)**
35. Mudassar Ullah, Riffat Asim Pasha, Ghulam Yasin Chohan, Faisal Qayyum, Numerical Simulation and Experimental Verification of CMOD in CT Specimens of TIG Welded AA2219-T87, Arabian Journal of Science and Engineering (2015) 40: p.935-944
36. M. A. Nasir, Z. Khan, I. Farooqi, S. Nauman, S. Anas, S. Khalil, A. Pasha, Z. Khan, M. Shah, H. Qaiser, R. Ata, Transverse Shear Behavior Of A Nomex Core for Sandwich Panels, (2015)Vol. 50, No. 6, p.733-738