

Prof. Dr. Muhammad Abid

A. BOOKS PUBLISHED

11 NOS.

1. Kh.S.Karimov, Sh.B.Dikambaev, **Muhammad Abid** and S.K.Turusbekov, "Energy Storage", Bishkek, 2008, Kyrgyzstan, 50 pages (in Russian Language). This book is published in collaboration of GIK Institute of Pakistan and Ministry of industry, power engineering and fuel resources of Kyrgyz Republic.
2. Khasan Karimov, **Muhammad Abid**, "Potentialities of biogas technology. Production and utilization of biogas", VDM Verlag Dr.Muller, printed in the U.S.A. and in the U.K., 2009, 64 pages, ISBN : 978-3-639-14806-0.
3. Kh.S.Karimov, Sh.B.Dikambaev, **Muhammad Abid**, S.K.Turusbekov, E.S.Bogombaev, A.G.Vedenev, "Production and utilization of biogas", publishing Center "Avangard", Bishkek, 2009, 75 pages, ISBN 978-9-967-43229-1.
4. **Muhammad Abid** and David H. Nash, 'Design Optimization and Analysis Techniques'. V Verlag Dr.Muller, printed in the U.S.A. and in the U.K. 2009. 176 Pages. ISBN-10: 363919733X. ISBN-13: 978-3-639-19733-4.
5. **Muhammad Abid** and Muhammad Siddique, 'Welding Simulations for Pipe Flange Joints'. VDM Verlag Dr.Muller, printed in the U.S.A. and in the U.K. 2009. 200 Pages. ISBN-10: 3639218620, ISBN-13: 978-3-639-21862-6.
6. **Muhammad Abid**, Kh. S. Karimov. Microhydro-power Systems. VDM Verlag Dr.Muller, printed in the U.S.A. and in the U.K. 2010. 110 Pages. ISBN-13: 978-3-639-23336-0.
7. **Muhammad Abid**, Adnan Aslam Noon, Muftooh ur Rehman Siddiqui. Water and Sediment Flow Simulations for Tarbela Reservoir and Tunnels. VDM Verlag Dr.Muller, printed in the U.S.A. and in the U.K. 2011. ISBN: 978-3-639-34183-6.
8. **Muhammad Abid**, Kh. S. Karimov. Organic Semiconductor Electromechanical Sensors. VDM Verlag Dr.Muller, printed in the U.S.A. and in the U.K. 2011. ISBN: 978-3-639-33003-8.
9. **Muhammad Abid**, Arif Masud, Ashfaq Khokhar. Book of Abstracts for 1st International Symposium on Computational Sciences (ISFCS2010). 7-8th June 2011, Islamabad, Pakistan. ISBN: 978-969-8453-01-5
10. **Muhammad Abid**, Hafiz Abdul Wajid. Proceedings of 2nd International Symposium on Computational Sciences (ISFCS2012). 28-29th June 2012, Islamabad, Pakistan. ISBN: 978-969-8453-02-2.
11. Umer Muhammad, Najam Muhammad, Tahira Nazir, Mohsin Zahid, **Abid Muhammad**. Handbook of Interdisciplinary Theories in Management. Kindle Edition. ASIN B0C6CGJ2B3, May 24, 2023.

B. BOOKS CHAPTERS PUBLISHED

08 NOS.

1. **Chapter title:** Gasketed Joint's Relaxation Behavior during Assembly Using Different Gaskets: A Comparative Study
Chapter authors: **Muhammad Abid** and Saad Hussain.
Book title: Advanced Design and Manufacture to Gain a Competitive Edge, New Manufacturing Techniques and their Role in Improving Enterprise Performance.
Book Editors: Yan, Xiu-Tian; Jiang, Chengyu; Eynard, Benoit (Eds.). 2008, XX, 891 p. 556 illus.
Publisher: Springer
ISBN: 978-1-84800-240-1 (Print). 978-1-84800-241-8 (Online)
Website: <http://www.springer.com/us/book/9781848002401>
Year: 2008
2. **Chapter title:** Performance of a Flange Joint Using Different Gaskets Under Combined Internal Pressure and Thermal Loading
Chapter authors: **Muhammad Abid**, K. A. Khan and J. A. Chattha.
Book title: Advanced Design and Manufacture to Gain a Competitive Edge, New Manufacturing Techniques and their Role in Improving Enterprise Performance.
Book Editors: Yan, Xiu-Tian; Jiang, Chengyu; Eynard, Benoit (Eds.). 2008, XX, 891 p. 556 illus.
Publisher: Springer
ISBN: 978-1-84800-240-1 (Print). 978-1-84800-241-8 (Online)
Website: <http://www.springer.com/us/book/978184800240>
Year: 2008
3. **Chapter title:** Optimization of Box Type Girder of Overhead Crane
Chapter authors: **Muhammad Abid**, Muhammad Hammad Akmal and Shahid Parvez
Book title: Global Design to Gain a Competitive Edge. An Holistic and Collaborative Design Approach based on Computational Tools.
Book Editor: Yan, Xiu-Tian; Eynard, Benoit; Ion, William J. (Eds.) 2008, XX, 888 p. 518 illus.
Publisher: Springer
ISBN: 978-1-84800-238-8 (Print) 978-1-84800-239-5 (Online)
Website: <http://www.springer.com/us/book/9781848002388>
Year: 2008
4. **Chapter Title:** Applications of Nano Materials, Organic Semiconductor Complexes and Composites Based Devices.
Chapter authors: Kh. S. Karimov and **Muhammad Abid**.

Book title: Nano materials and their fascinating attributes - Development and Prospective Applications of Nanoscience and Nanotechnology Vol. 1.
Book Editor: Sher Bahadar Khan
Publishers: Bentham Science
DOI: [10.2174/97816810817791160101](https://doi.org/10.2174/97816810817791160101); **eISBN:** 978-1-68108-177-9, 2016; **ISBN:** 978-1-68108-178-6; **ISSN:** 2452-4077 (**Print**)
Website: <http://ebooks.benthamscience.com/book/9781681081779/>
Year: 2016

5. **Chapter authors:** Khasan S. Karimov, **Muhammad Abid**, Kuan Yew Cheong, Muhammad Mehran Bashir.
Chapter title: Thermoelectric Properties of Organic and Inorganic Materials and Cells.
Book title: Two-Dimensional Nanostructures for Energy Related Applications.
Book Editor: Kuan Yew Cheong
Publisher: Science Publishers (An Imprint of CRC Press/ Taylor & Francis Group).
Website:
https://www.amazon.com/dp/1498732933/ref=olp_product_details?encoding=UTF8&me=#reader_1498732933
Year: 2017
6. **Chapter authors:** Abid, Z., **Abid, M.**
Chapter title: Effects of Climate Change on Women - Adaptation and Mitigation
Book title: Energy and Environmental Security in Developing Countries
Book authors: Muhammad Asif
Publisher: Springer International Publishing
Website: [Energy and Environmental Security in Developing Countries | Muhammad Asif | Springer](https://www.springer.com/978-3-030-63654-8)
DOI 10.1007/978-3-030-63654-8 (ISBN 978-3-030-63653-1)
Year: 2021
7. **Chapter authors:** **Abid, M.**, Abid, Z., Umer, M.
Chapter title: Floating Photovoltaic System Technology – Prospects of its Implementation in Central Asian, South Asian and South East Asian Region
Book title: Energy and Environmental Security in Developing Countries
Book authors: Muhammad Asif
Publisher: Springer International Publishing
Website: [Energy and Environmental Security in Developing Countries | Muhammad Asif | Springer](https://www.springer.com/978-3-030-63654-8)
DOI 10.1007/978-3-030-63654-8 (ISBN 978-3-030-63653-1)
Year: 2021
8. **Chapter authors:** Muhammad Umer, **Muhammad Abid**, Tahira Nazir, Zaineb Abid
Chapter title: Digitalization in the Energy Sector
Book title: Handbook of Energy Transitions
Book Editor: Muhammad Asif
Publisher: CRC Press (Taylors and Francis)
Website:https://books.google.com.pk/books?id=uQ-DEAAAQBAJ&printsec=frontcover&source=gbs_ge_summary_r&cad=0
DOI 10.1201/9781003315353 (ISBN 978-0-367-68859-2)
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C. INTERNATIONAL CONFERENCE PUBLICATIONS AND KEYNOTE LECTURES 145 NOS.

1. D H Nash and **M Abid**, 'Combined external load tests for standard and compact flanges', 9th International Conf. on Pressure Vessel Tech., Sydney, Australia, April 9-14, 2000, pp.249-257.
2. D H NASH, J Spence, A S Tooth, **M Abid** and D J Power, 'A parametric study of metal-to-metal full face taper hub flanges', 9th Intl. Conf. on Pressure Vessel Tech., Sydney, Australia, April 9-14, 2000, pp.383-391.
3. **M Abid**, D H Nash and J Webjom, 'The stamina of non-gasketed flanges', Fatigue 2000, Cambridge, UK. April 2000. Engineering Materials Advisory Services (EMAS) UK. pp.575-584.
4. **M Abid**, D H Nash and J Webjom, 'On the Implementation of Novel Alternative Pipe Joint Technology', ASME Pressure Vessel and Piping Conference, Seattle, USA. July 2000, pp.201-207.
5. **M Abid**, D H Nash, 'Emerging Technologies in Pipe Joints', Intentional Pipeline Conference (IPC2000), Calgary Canada, October 2000, pp.523-528.
6. **Muhammad Abid**, Design Optimization of a Hydraulic Stud Tensioner', 6th Biennial conference on Engineering Design and Analysis, Istanbul, Turkey, July 8~ 11, 2002. Proceedings of ESDA2002/DES-025, pp 1-9.
7. **M Abid**, D H Nash, 'Risk Assessment studies for Gasketed and Non-gasketed bolted pipe joints', Intentional Pipeline Conference (IPC2002), Calgary Canada, Sep 29 ~ Oct 3 2002. Proceedings of IPC2002/IPC-27386, pp 1-11.

8. **M Abid**, 'Experimental setup for the determination of a bolted pipe joint's capacity subjected to combined loading', 4th Middle East Refining and Petrochemicals Conference and Exhibition, Bahrain (Petrotech2003), Sep 29th to Oct 1st 2003, pp. 1 to 13.
9. M. Siddique, **M. Abid**, H. F. Junejo, '3-D Finite Element Simulation of a single pass butt-welded pipe-flange joint', 2nd International Mechanical Engineering Congress (SIMEC 2003), Karachi, Pakistan, Sep 26th ~ 28th 2003, pp.1 to 12.
10. **M Abid**, D H Nash, 'Stress variation in flange of a non-gasketed flanged bolted joint during bolt up and operating conditions' Advanced Engineering Design AED2004, Glasgow, UK. Sept. 5-8, 2004, pp. 1-7.
11. M. Siddique, **M. Abid**, H. F. Junejo, R. A. Mufti, "Three dimensional finite element simulation of welding residual stresses in pipe-flange joints: effect of welding parameters", 7th Intl. Conference on Residual Stresses in China, June 14-17, 2004, pp. 1-8.
12. M. Siddique, **M. Abid** and R. A. Mufti., "Simulation of welding distortions and Residual Stresses in pipe-flange joint using finite element Technique: Comparison of 2D and 3D models", International Mechanical Engineering Conference (IMEC2004), December 5-8, 2004, Kuwait, pp. 674-691.
13. **Muhammad Abid**, "Comparative Modal Analysis of Gasketed and Non-Gasketed Bolted Flange Joints", Computer Aided Design and Manufacturing: A Global Perspective (CCADM2005), April 8-9, 2005, Patiala, India. pp. 1-12.
14. **Muhammad Abid** and Khurshid Alam, 'Design and analysis of push pipe joint under internal pressure and temperature loading'. International Seminar on Advanced Materials (ISAM-2005), 19~22 September 2005, Islamabad, Pakistan. pp. 588-598.
15. **Muhammad Abid**, Muhammad Siddique, 'A Study of Welding Deformations and Residual Stresses in a Pipe-Flange Joint: Effect of Constraints'. Tehran International Congress on Manufacturing Engineering (TICME2005) December 12-15, 2005, Tehran, Iran. pp. 1-8.
16. **Muhammad Abid**, J. A. Chattha, 'Environmental problems of paint sector in Pakistan and their assessment' R'057th World Congress on Recovery, Recycling and Re-integration. September 25-29, 2005, Beijing, China. pp. 1-7.
17. Javed. A. Chattha and **Muhammad Abid**, 'Environmental changes in the Automotive Industry of Pakistan and process remedies'. R'057th World Congress on Recovery, Recycling and Re-integration. September 25-29, 2005, Beijing, China. pp. 22-29.
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20. **M. Abid**, 'Measurement of welding deformation in a non-gasketed pipe-flange joint', IIW International Congress: Welding and Related Inspection Technologies: 8 – 10 March 2006, Stellenbosch, South Africa. pp. 1-9.
21. **M. Abid**, Javed A. Chattha, Kamran A. Khan, 'Temperature distribution behavior in a bolted flange joint under steady state and transient thermal loading: an analytical approach', 3rd International Mechanical Engineering Congress: Karachi, Pakistan, 20-21st March 2006. pp. 1-11.
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23. **M. Abid**, D.H.Nash, "Joint relaxation behaviour of gasketed bolted flanged pipe joint during joint assembly", 2nd WSEAS International Conference on Applied and Theoretical Mechanics (MECHANICS'06) TTVenice, Italy, November 20-22, 2006. pp. 319-325.
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25. **Muhammad Abid** and Abdul Waheed Awan, '3-D non-linear finite element analysis of a non-gasketed flange joint under combined internal pressure and axial loading', ASME PVP 2007 / CREEP 8 CONFERENCE Hyatt Regency San Antonio, San Antonio, Texas, United States, July 22-26, 2007. pp 1-8.
26. **Muhammad Abid**, Javed A. Chattha, Kamran Khan, 'Finite element analysis of a gasketed flange joint under combined internal pressure and thermal transient loading', ASME PVP 2007 / CREEP 8 CONFERENCE Hyatt Regency San Antonio, San Antonio, Texas, United States, July 22-26, 2007. pp 1-7.
27. **Muhammad Abid** and Saad Hussain, 'Bolted Joint's Relaxation Behavior: A FEA Study', Failure of Engineering Materials and Structures, FEMS, UET Taxila, Pakistan, 22-23 October 2007. pp. 143-153.
28. **Muhammad Abid**, Sajid Iqbal, Shahab Khushnood, 'Nonlinear Finite Element Analysis of Gasketed Flange Joints under Combined Internal Pressure and Different Thermal Loading Conditions', Failure of Engineering Materials and Structures, FEMS, UET Taxila, Pakistan, 22-23 October 2007. pp 217-228.
29. **M. Abid**, Ahsan Rauf, Shahab Khushnood, 'Non-Linear Finite Element Analysis of Non-Gasketed Flange Joint under Combined Internal Pressure and Different Thermal Loading Conditions', Failure of Engineering Materials and Structures, FEMS, UET Taxila, Pakistan, 22-23 October 2007. pp 229-236.

30. **M. Abid**, K. A. Khan, J. A. Chattha, 'Performance of a flange joint using different gaskets under combined internal pressure and thermal loading'. International conference on advanced design and manufacturing (ICADAM2008), 14-16 January 2008, Haikou China. pp 855-864.
31. **Muhammad Abid** and Saad Hussain, 'Gasketed joint's relaxation behavior during assembly using different gaskets: A comparative study'. International conference on advanced design and manufacturing (ICADAM2008), 14-16 January 2008, Haikou China. pp 91-100.
32. **Muhammad Abid**, Muhammad Hammad Akmal, Shahid Parvez, 'Optimization of box type girder of overhead crane'. Accepted for presentation and publication in International conference on advanced design and manufacturing (ICADAM2008), 14-16 January 2008, Haikou China. pp 609-618.
33. N. Ahmed, **M. Abid**, A.V. Mitrofanov, V.V.Silberschmidt, 'Ultrasonically assisted turning: Finite element model', Failure of Engineering Materials and Structures, FEMS, UET Taxila, Pakistan, 22-23 October 2007. pp. 237-248.
34. Kh.S. Karimov, **Muhammad Abid**, M.I.Fedorov I. Qazi, Z.M.Karleva, I.Murtaza, 'Organic Semiconductor Sensor for Measurement of Humidity and Ammonia Concentration' 1st National conf on significance of WTO regime for chemical related industries. March 15, 2008, Lahore, Pakistan. pp. 69-75.
35. **M.Abid**, 'Effect of bolt scatter on different sizes of gasketed bolted flange joints: A comparative FE study'. 13th International conference on Applied Mechanics and Mechanical Engineering (AMME-13), May 27-29, 2008, Cairo, Egypt. pp 74-83.
36. Khasan Karimov, **Muhammad Abid**, 'Biogas digester with built-in solar collector', Accepted for presentation and publication in REWAS2008 October 12-15, 2008, Hilton Cancun Golf & Spa Resort, Cancun, Mexico. pp. 1803-1808.
37. **Muhammad Abid**, 'Importance of proper bolt surface treatment for better bolted joint's performance', Conference in Tajikistan. (2008). pp 70-78.
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40. **Muhammad Abid**, Sattar Ullah, Finite Element Investigation of Residual Stresses and Distortion in Welded Pipe-Flange Joint of Different Classes. 3rd National Seminar on Welding Science and Technology, July 27-29, 2009, Islamabad Pakistan. pp. 1-8.
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42. **Muhammad Abid**, Ali Waqas, Finite Element Analysis of Welded Locomotive Bogie Frame. 3rd National Seminar on Welding Science and Technology, July 27-29, 2009, Islamabad Pakistan. pp. 1-19.
43. Kh. S. Karimov, **Muhammad Abid**, Biogas digester with built-in solar reverse absorber heater. Submitted for R'09 Twin World Congress, Resource Management and Technology for Material and Energy Efficiency, Nagoya /Japan and Davos / Switzerland, September 14-16, 2009.
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47. **M. Abid**, J. A. Chattha, Kh. S. Karimov, A. Saleem, B. A. Rafique, M. A. Maqbool, M. Aamir. Design, Fabrication and Testing of Biogas digester with reverse absorber heater. DICE2009, 23-24th December 2009, CIIT Lahore, Pakistan. pp. 1-11.
48. **M. Abid**, M. A. A. Noon, A. Sarwar, A. Danial. Modeling and simulation of turbulent flows through Tarbela Tunnels 1 and 3. DICE2009, 23-24th December 2009, CIIT Lahore, Pakistan. pp. 1-15.
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50. **M. Abid**, M. A. A. Noon. Turbulent flow simulations through Tarbela tunnels considering the effect of sediment particles. DICE2009, 23-24th December 2009, CIIT Lahore, Pakistan. pp. 1-33.
51. **M. Abid**, M. R. Siddiqui. Water flow simulation and analysis of Tarbela Dam reservoir through spillways. DICE2009, 23-24th December 2009, CIIT Lahore, Pakistan. pp. 1-41.
52. M. Shuja Khan, Abid Iqbal, Shafaat A. Bazaz and **Muhammad Abid**, "System & Finite Element Modeling of PolyMUMPs Based Monolithic 3D MEMS Capacitive Accelerometer", the 5th IEEE Int. Conf. on Nano/Micro Engineered and Molecular Systems, January 20-23, 2010 Xiemen, China. pp. 1-6.
53. **M. Abid**, Research in the area of bolted flanged pipe joints. 1st Pipeline, Piping and Integrity Management Conference PPIMC2010, 2nd March 2010. Karachi, Pakistan. pp. 1-10.

54. **Muhammad Abid**, Niaz Bahadur Khan. Stamina of a gasketed flange joint under combined internal pressure and axial loading. 10th Biennial ASME Conference on Engineering Systems Design and Analysis (ESDA). July 12-14, 2010, Yeditepe University, Istanbul. pp. 1-8.
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58. Kh..S. Karimov, J.A.Chattha, **M. Abid**, A.Saleem, B.A.Rafique, M.A.Maqbool, M.Aamir. Solar biogas digester with built-in reverse absorber heater. POGEE Conference 2010, Karachi, Pakistan. pp. 1-11.
59. Kh. S. Karimov, **Muhammad Abid**, A.Iftikhar, H. Safer. Investigation of a simple combined pv-thermal collector system with built-in storage water heater. International conference "Application of renewable energy sources in central Asia", Dushanbe, Tajikistan, Sep.28-30, 2009. pp. 1-5.
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61. **Muhammad Abid**, 'Application of Computational Mechanics in the area of bolted flanged pipe joints for their performance optimization during manufacturing, assembly and operating conditions'. ISFCS2010 Islamabad Pakistan. pp. 1-16.
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63. **Muhammad Abid**, Muftooh ur Rehman Siddiqui, 'Water and Sediment Flow Simulation in Tarbela Dam Reservoir'. ISFCS2010 Islamabad Pakistan. pp. 1-17.
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66. **Muhammad Abid**, Yasir Khan. Assembly of gasketed bolted flange joints using torque control of preload method: FEA approach. Seventh Jordanian International Mechanical Engineering Conference (JIMEC'7), 27-29 September 2010, Jordan. pp. 1-14.
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72. Kh.S.Karimov, Kh.M.Akhmedov, **Muhammad Abid**, G.N.Petrov. Combined wind, hydropower and photovoltaic systems for generation of electric power and control of water resources International Conference on Power Generation Systems and Renewable Energy Technologies Nov 29 to Dec 2, 2010, Islamabad Pakistan. pp. 1-8.
73. **M. Abid**, D. H. Nash, S. Parvez, H. Fawad. Simulation of Stationary Gtaw Process using Argon as Shielding Gas: Effect of Electrode Angle and Tip Angles in Butt Welding. 8th Intl Bhurban conf on Applied Sciences and Technology, IBCAST 2011, Islamabad Pakistan. pp. 1-12.
74. **M. Abid**. Research in the area of Bolted Flanged Pipe Joints. 2nd Pipeline and Piping Integrity Management Conference, February 10, 2011, Lahore, Pakistan. pp. 1-12.
75. **M. Abid**, M. N. Manzoor, K. Ahmed, A. Hussain. Analysis of Non-gasketed bolted flanged pipe joints under dynamic loading. 2nd Pipeline and Piping Integrity Management Conference, February 10, 2011, Lahore, Pakistan. pp. 1-8.
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 106. **Muhammad Abid**. An overview of the progress in the flange design using FEA according to the European Norms (BS, EN, etc.) and ASME. 2nd conference on PED requirements and ASME Code. 14-15th Nov 2013 Genoa Italy.
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 108. **Muhammad Abid**. Finite Element Analysis of Assembly Process for Gasketed Bolted Flange Joint. ASME Special Seminar 19th Nov 2013 Istanbul Turkey.
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 112. Muhammad Abid. Structural dynamics behavior of overhead cranes. 1st Intl Conf on System Dynamics and Vibrations (ICSDV2014). 18-19 November 2014. Institute of Space Technology, Islamabad, Pakistan.
 113. Muhammad Abid. Applications of Computational Mechanics for Real World Problem Solving. International Conference on Advanced in Mathematics (ICAMS2015) 11-13 Feb, 2015 at CIIT Attock, Pakistan.
 114. Muhammad Abid. Applications of Mathematics in Industrial Problem solving. 6th Intl Conference on Recent Developments in Fluid Mechanics. (RDFM2015). 17-19 March 2015. NUST Islamabad, Pakistan.
 115. Muhammad Abid. Applications of Applied Mathematics in Real world problem solving. Intl Conference on Computational Complexities, Innovation and Solutions (CCIS2015). 11-12 May 2015. Abbottabad, Pakistan.
 116. Muhammad Abid. Life Predictions of Mega Energy Systems for sustainable energy production. 1st Intl Conference on Energy Systems for Sustainable Development (ESSD2015). 20-22 May 2015. CIIT Lahore, Pakistan.
 117. Muhammad Abid. Mission Oriented Research for Real world problem solving. 16th April 2015. Islamic University Medina. Saudi Arabia.
 118. Muhammad Abid. Experimental and Numerical Studies of Bolted Flanged Pipe Joints - An overview of the progress. 20th April 2015. King Abdullah University of Sciences and Technology, Saudi Arabia.
 119. Muhammad Abid. Applications of Computational Mechanics for Real World Problems Solving. 23rd April 2015. King Abdul Aziz University, Thuwal, Jeddah, Saudi Arabia.
 120. Muhammad Abid. Power Generation Systems and Renewable Energy Technologies. PGSRET2015. IIU, Islamabad, Pakistan: June 2015.
 121. Muhammad Abid. Numerical methods in industrial applications. Qualitative and Quantitative Techniques for Differential Equations. LUMS Lahore, Pakistan. 4-6th June 2015.
 122. Muhammad Abid. Water; Lifeline for health, Energy and Food. International Symposium on Water and National Security. (ISWANS2015). 11-12 June 2015.
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124. Muhammad Abid. Application of Computational Mechanics for Interdisciplinary Research for Real World Problems in the area of biomedical sciences and technology in Riphah University, 2nd October 2015, Islamabad, Pakistan.
125. Muhammad Abid. Application of Emerging Materials. 14th International Symposium on Advanced Materials (ISAM-2015). , National Centre for Physics, Islamabad, Pakistan. 12-16 October 2015
126. Muhammad Abid. Session Chair and Keynote lecture on Focus towards Mission Oriented Research to Benefit Pakistan. in Symposium on Advances in Mechanical Engineering SAME'15 in PIEAS, 19-20 October 2015, Islamabad, Pakistan
127. Muhammad Abid. ISONS2015 in Islamabad by Pakistan House: Organizer and Chair Session
128. Muhammad Abid. Importance of Interdisciplinary Research at CIIT Sahiwal, Attock, Lahore, Wah and Islamabad Campuses, 2015
129. Muhammad Abid. Virtual testing – A way forward. Islamic University and Taibah University Medina, Saudi Arabia. 5-6th January 2016
130. Muhammad Abid. Computational Applications for problems solving in IIU Islamabad. 7th March 2016
131. Muhammad Abid. Joint collaborative research between engineering and sciences; CIIT Islamabad, 14th March 2016
132. Muhammad Abid. Water Conservation, Purification & Sanitation. In Pak China Business forum Lahore. 20th March 2016,
133. Muhammad Abid. Role of Applied Mathematics for Engineering Applications. 2 Day Conference on Applied and Computational Mathematics, CIIT Islamabad. 29-30th March 2016
134. Muhammad Abid. Participated in Water Informatics workshop in LUMS, 2016.
135. Muhammad Abid. Participated in an invited meeting as expert on Water National Security meeting in National Defense University Islamabad as think tank arranged as per advice of Prime Minister.2016.
136. Nominated for Trade Fair at Hannover Germany with delegate from Pakistan; but could not participate as per delayed approvals from CIIT as visa could not be issued due to time constraints.

D. PUBLICATION IN TRADE JOURNALS (PUBLISHED) 01 NOS.

1. Webjorn J, Abid M, "A modern, alternate pipe joint", Published in Valve World Magazine, Volume 7, Issue 1, February 2002.

E. TECHNICAL REPORTS (PUBLISHED) 41 NOS.

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8. **Muhammad Abid**, Design, Analysis, fabrication and Testing of Push Pipe Joints under internal pressure and temperature loading. (Report No. GIKI-251104/05/01). Report submitted to Pakistan Science Foundation in 2005.
9. **Muhammad Abid**, 3-D Non-linear finite element analysis of a non-gasketed flange joint under combined internal pressure and temperature loading to determine their safe operating conditions. (Report # : R&D/F-GIK/ENGG (76)/SA-06/01/P1). Report submitted to Pakistan Science Foundation in 2006.
10. **Muhammad Abid**, Analytical and experimental analysis of a non-gasketed flange joint under combined internal pressure and axial loading (Report #: R&D/F-GIK/ENGG (76)/SA-06/01/P2). Report submitted to Pakistan Science Foundation in 2006.
11. **Muhammad Abid**, Design and Analysis of Non-Gasketed Bolted Flanged Pipe Joint Under Combined Internal Pressure and Temperature Loading (Outer Pipe Joint). (Report #: GIKI-PAEC-251104/06/02). Report submitted to Pakistan Science Foundation in 2006.
12. **Muhammad Abid**, Design and Analysis of Non-Gasketed Bolted Flanged Pipe Joint Under Combined Internal Pressure and Temperature Loading (Outer Pipe Joint). (Report #: GIKI-PAEC-2505/07/01). Report submitted to Pakistan Science Foundation in 2007.
13. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Quarter-I report 2006 submitted to EU.

14. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Quarter-II report 2006 submitted to EU.
15. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Quarter-III report 2006 submitted to EU.
16. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Annual Technical and Financial Report (Year 1) 2006 submitted to EU.
17. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Quarter-IV report 2007 submitted to EU.
18. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Quarter-V report 2007 submitted to EU.
19. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Quarter-VI report 2007 submitted to EU.
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22. **Muhammad Abid**, A frame work approach to strengthening Asian higher education in Advance Design and Manufacture. Annual Technical and Financial Report (Year 2) 2007 submitted to EU.
23. **Muhammad Abid**, Development of computational mechanics infrastructure and human resources for advancing engineering design practices in Pakistani industry. 6 months 2006 submitted to HEC and USAID.
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35. **Muhammad Abid**, Design, Fabrication, installation on 4-5 kW PV Solar System. (Report #: R&D/F-GIK/ENGG (102)/SA-08/01/P1) March 2009.
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40. **Muhammad Abid**, Khasan S Karimov. Design, Fabrication and Installation of Battery Based Micro Hydro Power Plant on Current Water Stream. PSF/Res/F-GIK/ENGG (107). Report 1. 2012
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F. CONFERENCE PARTICIPATIONS

Papers presented in conferences at Cambridge UK, Calgary Canada, Istanbul Turkey, Bahrain, South Africa, China, Egypt and Pakistan.