

Mohammad Kamal Hossain, PhD, Associate Professor, Mechanical Engineering, Tuskegee University, Publications and Presentations (2008-2017)

Book

1. **Mohammad Kamal Hossain**, Stress Corrosion Cracking and Hydrogen Embrittlement of Alloy EP-823. Lambert Academic Publishing, Germany, ISBN: 978-3-8383-6016-4.

Book Chapter

1. **Mohammad Kamal Hossain** Scanning Electron Microscopy Study of Fiber Reinforced Polymeric Nanocomposites. **Book: Scanning Electron Microscopy edited by Viacheslav Kazmiruk**, InTech Publisher, ISBN 979-953-307-309-4.
2. **Mohammad Kamal Hossain**, Shamim Ara Begum, Nanophased Cellulose-Based Structural Composite. **Book: Cellulose and Cellulose Derivatives: Synthesis, Modification, Nanostructure and Applications edited by Dr. Ibrahim Mondal**. Nova Publishers, ISBN 978-1-63483-885-6.

Refereed Journal Publications

1. M. E. Hossain, **M. K. Hossain**, M. V. Hosur, and S. Jeelani, Effect of dispersion conditions on the thermal and mechanical properties of carbon nanofiber-polyester nanocomposites , *Journal of Engineering Materials and Technology*, 137: 031005-9, **2015**.
2. **Hossain M.**, Chowdhury M. M. R., Salam M. B. A., Jahan N., Malone J., Hosur M. V., Jeelani S. and Bolden N. W., Enhanced Mechanical Properties of Carbon Fiber/Epoxy Composites by incorporating XD-grade Carbon Nanotube , *Journal of Composite Materials*, doi: 10.1177/0021998314545186

7. Muhammad E. Hossain, **Mohammad K. Hossain**, Mahesh Hosur, and -
Velocity Impact Behavior of CNF-Filled Glas *Journal
of Composite Materials*, 48 (7): 879-896, **2013**.
8. **Mohammad K Hossain**, Muhammad E Hossain, Mohammad W. Dewan, Mahesh Hosur,
and Effects of Carbon Nanofiber (CNF) on Thermal and Interlaminar Shear
Responses of E- *Journal of Composites Part B*, 44: 313 320,
2012.
9. **Mohammad K. Hossain**, Mohammad W. Dewan, Mahesh V. Hosur, and Shaik Jeelani,
Thermal and Mechanical Properties of
Jute/Biopol Green Composites *Journal of Reinforced Plastics and Composites*, 30 (22):
1841-1856, **2011**.
10. **Mohammad K. Hossain**, Mohammad W. Dewan, Mahesh V. Hosur, and Shaik Jeelani,
Journal of Composites Part B: Engineering, 42 (6): 1701-1707, **2011**.
11. **Mohammad K Hossain**
and Mechanical Characterization of Jute-
Cambridge Journals Online, DOI: 10.1557/opl.2011.169, **2011**.
12. Muhammad E. Hossain, **Mohammad K. Hossain**, Mahesh V. Hosur, and Shaik Jeelani,
Study of Mechanical Responses and Thermal Expansion of CNF-modified Polyester
Cambridge Journals Online,
DOI:10.1557/opl.2011.111, **2011**.
13. **Mohammad K Hossain**, Kazi Al Imran, Mahesh Hosur, and
Seawater on Thermal Behavior of Conventional and Nanophased Carbon/Epoxy E

2. **Mohammad K Hossain**
Composite Reinforced with Amino-Functionalized Graphene Nanoplatelets IMECE 2015,
Paper Number: IMECE2015-51483, Houston, Texas, November 13-19, **2015**.
3. **Mohammad K Hossain**, Md. Mahmudur R Chowdhury, Mahmud B Salam, Johnathan
Malone, Mahesh Hosur, Shaik Jeelani, Nydeia W Bolden, Thermo-Mechanical and ILSS
Properties of Woven Carbon/Epoxy-XD

14. **M.K. Hossain**
Performance of Jute-

Thermal and Mechanical
Paper ID#1402, SAMPE 2011

7. **Mohammad K Hossain**, Derrick Pettaway Design and Analyze the Frame for the Global
120th ASEE Annual Conference and
Exposition, Atlanta, GA, USA, June 21-26, **2013**.
8. **Mohammad K Hossain** Effects of Carbon Nanofiber (CNF) on Mechanical and Thermal
Behavior of Polyester and E-
Undersea Warfare Center (NUWC), Newport, RI, June 10, **2013**.
9. **Mohammad K Hossain** Fabrication and
Characterization of Untreated, Alkali Treated, and POSS Treated Jute Fiber Reinforced-
-14, **2012**.
10. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeelani,
Mechanical Properties of Alkali Treated Jute Fabric Reinforced Polyester Nanocomposites
IMECE 2011, Denver, Colorado, November 11-17, **2011**.
11. **Mohammad K Hossain** Seawater
Conditioning Effect on the Mechanical Properties of Conventional and Nanophased Carbon/Epoxy
IMECE 2011, Denver, Colorado, November 11-17, **2011**.
12. **Mohammad K Hossain** *2011 PACE*
Global Forum, Vancouver, Canada, July 25-30, **2011**.
13. **M. K. Hossain**, C. U. Okoro
Characterization of XD-Grade Carbon Nanotube/Epon 862 Processed by Dual Phase Dispersion
SAMPE 2011, Long Beach, CA, USA, May **2011**.
14. **Mohammad K. Hossain**, Mohammad W Dewan, Mahes Thermal
and Mechanical Performance of Jute- *SAMPE 2011*, Long
Beach, CA, USA, May **2011**.
15. **Mohammad K Hossain** Effect of Seawater on
Mechanical *SAMPE 2011*,
Long Beach, CA, USA, May **2011**.
16. **Mohammad K. Hossain** and Mechanical Characterization of Jute-Biopul Nanophased Gree *MRS Fall*
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17. **Mohammad K. Hossain** Study of Mechanical
Responses and Thermal Expansion of CNF-modified Polyester Nanocomposites Processed by
MRS Fall Meeting 2010, Boston, MA, November 29-December 03,
2010.
18. **Mohammad K. Hossain**
Improvement of Nanopahsed Jute-Based Green Composite by Surface Modificatio *ASME*
International Mechanical Engineering Congress and Exposition 2010, Vancouver, British
Columbia, Canada, November 12-18, **2010**.
19. **Mohammad K. Hossain**

21. **Mohammad K. Hossain**, Muhammad E.
Compression and Thermal Responses of E-
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7. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, and Shaik Jeela Durability Study of Nanophased Jute- *2011 NSTI-Nanotech Conference*, Boston, MA, June 13-16, **2011**.
8. **M. K. Hossain**, C. U. Okoro Thermal and Mechanical Characterization of XD-Grade Carbon Nanotubes/Epon 862 Processed by Dual Phase Dispersion *ASME International Mechanical Engineering Congress and Exposition 2010*, Vancouver, British Columbia, Canada, November 12-18, **2010**.
9. **Mohammad K Hossain** Seawater Effect on *ASME International Mechanical Engineering Congress and Exposition 2010*, Vancouver, British Columbia, Canada, November 12-18, **2010**.
10. **Mohammad K. Hossain**, Mohammad W Dewan, Mahesh V. Hosur, a Interfacial Improvement of Nanophased Jute- *ASME International Mechanical Engineering Congress and Exposition 2010*, Vancouver, British Columbia, Canada, November 12-18, **2010**.
11. **Mohammad K. Hossain**, Jan Helge Bøhn, and , *2010 PACE Global Forum*, Seoul, Korea, July 19-23, **2010**.
12. **Mohammad K. Hossain** Minority Faculty *Development Workshop 2010*, MIT, Cambridge, Massachusetts, March 21-24, **2010**.