1. REFEREED PUBLICATIONS

(a) Journals


Note: The above publication was the result of an international, highly inter-disciplinary research project between Faculty of Pharmacy (Tehran University), School of Medicine (Stanford University), School of Engineering (University of British Columbia), Department of Anatomy and Cell Biology (McGill University), Department of Cell Biology (University of Groningen), Department of Gastroenterology and Hepatology (Erasmus Medical Center), and Serine Proteases and Pathophysiology of the Neurovascular (GIP Cyceron, Université de Caen Basse-Normandie).


**Note:** The above publication was the result of an industrial-scale project and it has been recently recommended in PubAdvanced forums by senior industry researchers, including the Director of Biotronik (a biomedical technology company headquartered in Berlin, Germany).


**Note:** This article was from an NSERC strategic project with collaborators from the Advanced Polymer Composites group of the Industrial Materials Institute-National Research Council (IMI-NRC) and AS Composite Inc.


**Note:** The above article was the result of a joint short-term project in collaboration of Advanced Polymer Composites group as well as Simulation of Deformable Materials Group at the Industrial Materials Institute-National Research Council Canada (IMI-NRC).


Note: The above research story was publicized by CHBC News on April 19, 2012.


Note: This article was a result of collaboration in an interdisciplinary project by researchers from the University of British Columbia, Harvard University, Rolls-Royce Canada, and Dr. Thomas L. Saaty from the University of Pittsburgh, who is a Distinguished Professor of the multi-criteria decision analysis and the inventor of the Analytic Hierarchy Process (AHP) as well as the Analytic Network Process (ANP).


[64] S. Pakpour, A. S. Milani\textsuperscript{c}, M. Chenier (2012) “A multi-criteria decision-making approach for comparing different sample preservation and DNA extraction methods from swine feces, American Journal of Molecular Biology, 2: 159-169


Note: This article is from an intern-disciplinary project in summer 2010 supervised by faculty members from the Mechanical and Civil Engineering Programs at the School of Engineering. The extension of the work resulted in a strategic project grant, which was awarded in 2011.


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\(^{1}\) American Society of Mechanical Engineers.


(b) Conference Proceedings


[103] D. Karimi, B. Crawford, A S. Milani\textsuperscript{a} (2018) “Manufacture and property determination of green stone composite”, 4th International Conference on Production Automation and Mechanical Engineering, 3-4 August, Montreal, Canada


[107] M. Ramezankhani, B. Crawford, H. Khayyam, M. Naebe, R. Seethaler, A.S. Milani\textsuperscript{a} (2017) “A multi-objective Gaussian process approach for robust optimization and prediction of carbonization process”, 20th International Conference on Composite Structures (ICCS20), September 4-7, Paris, France


[119] Y. Mosaferi, B. Crawford, J. Torres, A. S. Milani (2015) “On static and dynamic friction characterization of tool-fiber interaction: effect of mould type and processing conditions”, Canadian - International Conference on Composites (CANCOM15), August 18 – 20, Edmonton, Canada (selected by a panel of independent judges as one of the five finalists for the Professor Suong V. Hoa Student Paper Award Competition)


[140] A. Mosavi, M Hoffmann, A.S. Milani (2012) “Optimal design of the NURBS curves and surfaces utilizing multiobjective optimization and decision making algorithms of RSO”, The 2nd Conference of PhD Students in Mathematics, University of Debrecen, Faculty of Informatics, June 28 - June 30, Szeged, Hungary


[143] F. Alavi, A. Behravesh, A. S. Milani (2011) “Determining fracture toughness of a wood plastic composite as a cohesive zone parameter”, Polymer Processing Society, 2011 Asia/Australia Regional Meeting, November 15-17, Kish Island, Iran


Note: This article emerged from an NSERC Strategic Project with collaborators from the Industrial Materials Institute-National Research Council (IMI-NRC) as well as AS Composite Inc.


*Note:* The above paper was directly from my PhD work; Prof. J. A. Nemes was my supervisor.


*Note:* The above paper was directly from my PhD work; Prof. J. A. Nemes was my supervisor and the work was supported by the Industrial Materials Institute-National Research Council (IMI-NRC).


(c) Other (abstract/poster)


[184] M. Komeili, A.S. Milani (2013) “Towards a general-purpose finite element model for the simulation of woven fabrics deformation during forming processes”, 3rd Poster Competition, April 28th, 2013, School of Engineering, UBC Okanagan (Received the honorary-4th place award in PhD Poster Presentations competition)


Submission and Presentation at the ASME International Mechanical Engineering Congress & Exposition, Vancouver, Canada


2. NON-REFEREED PUBLICATIONS

   (a) Journals

   (b) Conference Proceedings

   (c) Other (>15 technical reports as part of contract-based industrial projects)

3. BOOKS

   (a) Authored


   (b) Edited


[206] A. S. Milani, A. Jahan (Guest Editors), Special Issue on “Materials Selection and Design” in the International Journal of Materials and Structural Integrity (Vol. 6, Nos. 2/3/4, pp. 95-338), 2012


(c) Chapters


4. **PATENTS**

[216] ‘A new test fixture for combined biaxial-shear testing of woven fabrics’, designed and manufactured in collaboration with the City College of New York, and the NUWC (under submission)

5. **SPECIAL COPYRIGHTS**

6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS**

7. **OTHER WORKS**


