A. Publications that result from Center-supported Projects:

*In peer-reviewed technical journals:*


2. Liu, L; Gebresellassie, K; Collins, BE; Zhang, H; Xu. Z.; Sankar, J; Lee, YC; Yun, Y, "Degradation Rates of Pure Zinc, Magnesium, and Magnesium Alloys Measured by Volume Loss, Mass Loss, and Hydrogen Evolution", Appl. Sci. 2018, 8(9), 1459; https://doi.org/10.3390/app8091459

3. Lumei Liu, Sang-Ho Ye, Xinzhu Gu, Teal Russell, Zhigang Xu, Jagannathan Sankar, William R. Wagner, Young-Choon Lee, Yeoeheung Yun, Comparison of endothelial cell attachment on surfaces of biodegradable polymer-coated magnesium alloys in a microfluidic environment, PLOS ONE, 2018, 13(10): e0205611


6. Udhab Adhikari, Sunghyun Jung, Shalil Khanal, Jag Sankar, Svitlana Failkova, Narayan Bhattarai “Preparation and characterization of chitin nanofibrils and Nanocomposites for Biomedical Application” (under preparation)


10. Liu, L; Gebresellassie, K; Collins, BE; Zhang, H; Sankar, J; Lee, YC; Yun, Y, "Degradation Rates of Pure Zinc, Magnesium, and Magnesium Alloys Measured by Volume Loss, Mass Loss, and Hydrogen Evolution", Appl. Sci. 2018, 8(9), 1459; https://doi.org/10.3390/app8091459


26. Adhikari, U; An, X; Rijal, N; An, X; Hopkins, TM; Khanal, S; Chavez, T; Tatu, R; Sankar, J; Little, KJ; Hom, DB; Bhattarai, N & Pixley. Embedding magnesium metallic particles in polycaprolactone nanofiber mesh improves applicability for biomedical applications, Acta Biomaterialia, in press. https://doi.org/10.1016/j.actbio.2019.04.061.

*In peer-reviewed conference proceedings:*


6. Udhab Adhikari, Jagannathan Sankar, Narayan Bhattarai “Mg based composite nanofibrous scaffolds for tissue engineering application” 35th Annual Meeting of Southern Biomedical Engineering Conference, SBEC 2019, February 22-24, Hattiesburg, MS, USA.


12. Udhab Adhikari, Shalil Khanal, Sara Tatum, Sheikh Saudi, Kalene Johnson, Marlayna Jackson, & Narayan Bhattarai “Modeling of Biomaterials Research for Middle School Science Students; Cotton Candy: A Sweet Inspiration to Teach Nanofibrous Biomaterials” Society For Biomaterials 2018 Annual Meeting and Exposition: Exploring the Nexus of Research and Application, being held April 11 – 14, Atlanta, GA, USA.


14. Udhab Adhikari, Shalil Khanal, Jagannathan Sankar, Narayan Bhattarai “PCL/Magnesium Based Composite Nanofiber Scaffolds” 34th Annual Meeting of Southern Biomedical Engineering Conference, SBEC 2018, March 8-10, Charlotte, NC, USA.

15. Sunghyun Jun, Udhab Adhikari, Shalil Khanal, Svitlana Fialkova, Jagannathan Sankar, Narayan Bhattarai “Chitin based Nanofibers and Nanocomposites for Biomedical Application” 34th Annual Meeting of Southern Biomedical Engineering Conference, SBEC 2018, March 8-10, Charlotte, NC, USA.


20. Abhijit Roy and Prashant N. Kumta, “Novel Biodegradable scaffold platforms for bone regeneration”, Invited speaker, Injury, Repair & Regenerative Medicine Seminar Series, April 16, 2019 McGowan Institute for Regenerative Medicine, University of Pittsburgh and UPMC, Pittsburgh, USA

Book Chapters:

B. Publications that result from Associated Projects in the Strategic Plan:

In peer-reviewed technical journals:


In peer-reviewed conference proceedings
10. Mucha, N. (Presenter & Author), Kant, C. (Author Only), Katiyar, M. (Author Only), Rathnayake, H. (Author Only), Schubert, E. (Author Only), Kumar, D. (Author Only), Materials


C. Publications that result from Sponsored Projects:

None