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The 3rd Annual Conference

August 11 - 12, 2016; Woodbridge, NJ, USA

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8. "Effect of BMP-2 loaded collagen conjugated microchanneled granules into TTCP-DCPA-MCPM based injectable bone substitute (IBS) system for bone healing." 1Gun Hee Lee*, 1Preeti Makkor, 1Kallyanshis Paul, 1Nathaniel T. Carpena, 2Swapan Kumar Sarker, 1,2Byong Taek Lee, 1Department of Regenerative Medicine, College of Medicine, Soonchunhyang University, 366-1 Ssangyong dong, Cheonan, 330-090, South Korea. 2Institute of Tissue Regeneration, College of Medicine, Soonchunhyang University, 366-1 Ssangyong dong, Cheonan, 330-090, South Korea.

9. "Improvement of mechanical properties of smart chitosan -based nanobiocomposite hydrogel for orthopedic applications" Seyed Mohsen Latifia, Mohammadhossein Fathia,d, Jaleh Varshosaz, Materials Engineering Department, Isfahan University of Technology, Isfahan 84156-83111, Iran; Department of Pharmaceutics, Faculty of Pharmacy and Novel Drug Delivery Systems Research Centre, Isfahan University of Medical Sciences, Isfahan 81746-73461, Iran; Department of Engineering, Virginia Commonwealth University, Richmond, VA 23284, USA; Dental Materials Research Center, Isfahan University of Medical Sciences, Isfahan, Iran

10. *Solid Lipid Nanoparticles Containing Carvedilol: Formulation and Evaluation,* Zeynep Kipriye, Evrim Yenilmez, Anadolu University, Faculty of Pharmacy, Department of Pharmaceutical Technology, Eskişehir, TÜRKİYE

11. *Solid Lipid Nanoparticles of Dexketoprofen Trometamol: Formulation and In Vitro Characterization*, Ahmet Alper Öztürk, Evrim Yenilmez, Yasemin Yazan, Anadolu University, Faculty of Pharmacy, Department of Pharmaceutical Technology Eskişehir, TURKEY

12. *Chitosan Coated Paclitaxel Nanoparticles Aiming Colorectal Cancer Treatment*, Özge Atasoy[1], Ebru Başaran[2] [1]Sandoz Generic Pharmaceuticals Division of Novartis, Kocaeli, TURKEY; [2]Anadolu University, Faculty of Pharmacy, Department of Pharmaceutical Technology, Eskişehir, TURKEY

13. *Molecular Encapsulation by Cyclodextrins Effects on Drug Safety*, Müzeyyen Demirel Anadolu University, Faculty of Pharmacy, Department of Pharmaceutical Technology, Eskişehir, TURKEY

14. *Study of Polymeric, Ophthalmic, Sustained-Delivery Drug Systems*, Umay Merve Güven*, Murat Sami Berkman, Yasemin Yazan Anadolu University, Faculty of Pharmacy, Department of Pharmaceutical Technology, Eskişehir, TURKEY

15. *Ocular Drug Delivery of Olopatadine Hydrochloride Using Temperature Modulated In Situ Gelling Systems*, Umay Merve Güven*, Murat Sami Berkman, Yasemin Yazan, Anadolu University, Department of Pharmaceutical Technology, Eskişehir, TURKEY

Solid Lipid Nanoparticles of Dexketoprofen Trometamol: Formulation and *In Vitro* Characterization

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Dexketoprofen trometamol is an S-(+)-2-(3-benzoylphenyl) propionic acidtromethamine salt. It is more potent and causes less gastrointestinal adverse effects when compared to ketoprofen. It was found to be highly effective in the treatment of moderate to severe pain when used as an analgesic in osteoarthritis, dysmenorrhea, orthopedics and dental surgery. Preparing and characterizing solid lipid nanoparticles for oral controlled analgesic effect was aimed in this study. Dexketoprofen tromethamol-loaded SLNs were prepared by hot homogenization method followed by probe ultrasonication and characterization was achieved by particle size/PDI and zeta potential measurements, DCS thermograms, SEM imaging and FT-IR and NMR spectroscopic analyses.