## Articles

Renier, M.L., Carter B.F., Eaton, M.S., and Kohn, D.H., "Environmentally-Responsive Polyamide-Acrylate Grafts Modulate Ion-Exchange," Biomaterials, accepted.

Kohn, D.H., Sarmadi, M., Helman, J.I., and Krebsbach, P.H., "Effects of pH on Human Bone Marrow Stromal Cells In-Vitro: Implications for Tissue Engineering of Bone," Journal of Biomedical Materials Research, 60: 292-299, (2002).

Murphy WL, Peters MC, Kohn DH, Mooney DJ, Sustained Release of Vascular Endothelial Growth Factor from Mineralized Poly(lactide-co-glycolide) Scaffolds for Tissue Engineering, Biomaterials, 21: 2521-2527, 2000.

Murphy, W.L., Gilhool, K.A., Kohn, D.H., and Mooney, D.J., "Effects of Growth Factor Presence on Mineralization of Porous Poly(Lactide-co-Glycolide) Scaffolds In-Vitro", In: Mineralization in Natural and Synthetic Biomaterials, P. Li, P. Calvert, R.J. Levy, T. Kokubo, C.R. Schneid, Eds, Materials Research Society, Warrendale, PA, pp. 347-352, (2000).

Pietrzak, W.S., Sarver, D.R., and Kohn, D.H., "Fatigue Testing of Bioabsorbable Screws in a Synthetic Bone Substitute", In: Mechanical Testing of Bone and the Bone-Implant Interface, Y.H. An, and R.A. Draughn, Editors, CRC Press, Boca Raton, FL, pp. 581-591, (2000).

Murphy, WL, Kohn DH, Mooney DJ, "Growth of Continuous Bone-Like Mineral Within Porous Poly(lactic-co-glycolic acid) Scaffolds In-vitro," Journal of Biomedical Materials Research, 50: 50-58, (2000).

Tsai S, Rutherford RB, Clarkson BH, Kohn DH, "Atomic Force Microscopy to Quantify Local Mechanical Properties of Engineered Tissue," In: Biomedical Materials - Drug Delivery, Implants and Tissue Engineering, T. Neenan, M. Marcolongo, R.F. Valentini, Eds, Materials Research Society, Warrendale, PA, pp. 137-142, (1999).

Strother, J.M., Kohn, D.H., Dennison, J.B., and Clarkson, B.H., "Fluoride Release and Reuptake in Restorative Materials," Dental Materials, 14: 129-136 (1998).

Kohn DH, "Metals in Medical Applications," Current Opinion in Solid State and Materials Science, 3: 309-316, 1998. Renier, M. and Kohn, D.H., "Development and Characterization of a Biodegradable Polyphosphate," Journal of Biomedical Materials Research, 34: 95-104, (1997).

## **Book Chapters**

Kohn, D.H., "Bioceramics," In: Biomedical Engineers Handbook, M. Kutz, Ed., McGraw-Hill, New York, pp. 13.1–13.24, (2002).

Jayasuriya, A.C., and Kohn, D.H., Biomaterials for Permanent Reconstruction and Temporary Biological Guidance, Encyclopedia of Chemical Technology, Wiley, New York, submitted.

Kohn, D.H., "Implant and Bone Augmentation Materials," In: Dental Materials and Their Selection, 3rd Edition, W.J. O'Brien, Ed., Quintessence, Chicago, pp. 298-312, (2001).

Kohn, D.H., "Structure-Property Relations of Biomaterials for Hard Tissue Replacement," In: Encyclopedia of Biomaterials and Bioengineering, Part B: Applications, Volume I, D.L. Wise, D.J. Trantolo, D.E. Altobelli, M.J. Yaszemski, J.D. Gresser, and E.R. Schwartz, Eds., Marcel Dekker, Matawan, NJ, pp. 83-122, (1995).

Kohn, D.H. and Ducheyne, P., "Materials for Bone, Joint and Cartilage Replacement," In: Medical and Dental Materials, D.F. Williams, Ed., In: Materials Science and Technology - A Comprehensive Treatment, RW Cahn, P Haasen, EJ Kramer, Eds., VCH Verlagsgesellschaft, FRG, pp. 29-109, (1992).

## Manuscripts in Review/Preparation

Kohn, DH, "Mechanical Characterization of Biomaterial Scaffolds and Engineered Tissue," Tissue Engineering.

Kousvelari E, Kohn, DH, "How Biomimetics Can Enhance Dentistry," Journal of the American Dental Association.

Kuznetsov, S., Kohn, D.H., Lee, J, Robey, P.G., "Effect of Collagen Scaffold Cross-Linking on Human Bone Marrow Stromal Cell Transplantation,".