Nume prenume	Pozitie acad./ Afiliere	Domeniile de Competenta	Lucrari ISI in domeniile centrului	
			Nr.	Lucrari reprezentative
Racila Mihaela	Conf. dr. DMA	Analiză Numerică, Ecuaţii cu derivate parţiale, Metode computaţionale, Modelare, programare şi simulare numerică	16	1. J.M. Crolet, **M. Racila**, A. Marguier and O. Placide, Electro osmosis and bone remodeling – a numerical simulation, International Journal of Biology and Biomedical Engineering, Volume 8, pp. 21- 26, ISSN: 1998-4510, 2014 (ISI) 2. M.C. Stroe, J.M. Crolet and **M. Racila**, Mechanotransduction in cortical bone and the role of piezoelectricity: a numerical approach, Computer Methods in Biomechanics and Biomedical Engineering, Vol. 16, Issue 2, pp. 119-129, DOI: 10.1080/10255842.2011.608661, ISSN: 1025-5842, 2013 (ISI) 3. J. M. Crolet, **M. Racila**, A. Marguier, O. Placide, Osteosynthesis by electro-osmosis. A numerical simulation, Recent Researches in Medicine, Biology and Bioscience, ISSN: 1790-5125, ISBN: 978- 960-474-326-1,39-44,2013.(ISI) 4. **Racila M.**, Crolet J.M, Collagen's role in the cortical bone's behavior: a numerical approach, Computer Methods in Biomechanics and Biomedical Engineering, vol. 14, issue 7, pp. 621-631, ISSN: 1025-5842, july 2011 (ISI) 5. **Racila M.**, Stroe M.C., Crolet J.M., Human cortical bone: the SiNuPrOs model. Part II - a multiscale study of permeability, Computer Methods in Biomechanics and Biomedical Engineering, ISSN: 1025-5842, Vol. 13, Issue 1, pp. 81-89, 2010 (ISI)