

PORTOFOLIULUCRĂRI ȘTIINȚIFICE
Conf. univ. dr. CRISTINA IOANA BICA

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1. **Bica C**, Bulgaru Iliescu D, Bica D, Balan GG, Balan A, Monea M. *The role of computer simulation methods in avoiding orthodontic malpractice*. Romanian Journal Legal Medicine, 2016, 24(3):226-230, IF: 0,144
2. **Bica C**, Martha K, Cerghizan D, Suci M, Petcu B, Bică D, Eșian D. *Mathematical models of teeth with alveolar bone resorption and biomechanical phenomena due to orthodontic forces*. Journal of Optoelectronics and Advanced Materials, 2015, 17(11-12):1756-1760, IF: 0,383
3. Mártha K, Petcu B, **Bica C**. *Laser fluorescence diagnosis of enamel remineralisation after fixed appliance therapy*. Optoelectronics and Advanced Materials - Rapid Communications, 2016, 10(11-12):965-968, IF: 0,412
4. Monea MD, Olah P, Cerghizan D, Earar K, Budacu CC, **Bica C**. *The Effectiveness of Endodontic Irrigations Solutions on Smear Layer Removal from Radicular Dentin. A scanning electron microscop study*. Materiale Plastice, 2016, 53(2):339-341, IF: 0,903
5. Eșian D, Man A, Pop S, Earar K, Budacu CC, Cerghizan D, Bud A, **Bica C**. *An in vitro study of the Antimicrobial Activity of Mineral trioxide aggregate and of Calcium Hydroxide on Certain species of Obligate or Facultative Anaerobic Bacteria*. Revista de Chimie, 2016, 67(6):1207-1209, IF: 0,956
6. Eșian D, Mezei T, Galușcan A, **Bica C**. *The reaction of dental tissues to the protective adhesive materials used in the treatment of deep caries*. Revista de Chimie, 2016, 67(2):332-335, IF: 0,956
7. Eșian D, Tudoran BL, **Bica C**. *Etching adhesives versus classical adhesives concerning the phenomenon of dentin hybridization*. Revista de Chimie, 2014, 65(11): 1369-1372, ISSN 0034-7752, IF: 0,810

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8. **Bica C**, Brezeanu L, Bica D, Suci M. *Biomechanical reactions due to orthodontic forces. A finite element study*. Procedia Technology 2015, 19:895-900, ISSN 2212-0173 (Indexata ISI)
<http://www.sciencedirect.com/science/journal/22120173/19>
9. **Bica C**, Brezeanu L, Muji M. *Experimental Model for Orthodontic Tooth Movement*. International Conference on Advancements of Medicine and Health Care through Technology, Cluj Napoca, September 2009. IFMBE Proceedings, 2009, 26: 387-390 (Indexata ISI)
<http://www.springer.com/gp/book/9783642042911>
10. Suci M, Cazacu R, Grigoraș R, **Bica C**. *Determining the Correlation between the Mathematical Model of Bone Resorption and the Model Obtained in Vivo in Patients with Lateral Mandibular Bone Augmentation. Concept and Literature Review*. Procedia Technology 2015, 19:934-941, ISSN 2212-0173 (Indexata ISI)