**LISTA COMPLETĂ DE PUBLICAȚII**

**Teza de doctorat:** AGING BEHAVIOR OF ZIRCONIA AND HIGH PERFORMANCE POLYMERS USED FOR MONOLITHIC DENTAL RESTORATIONS – anul susținerii 2023

**Articole publicate in extenso:**

a) Articole în reviste cotate ISI cu factor de impact:

1) **Toma, F.R.;** Moleriu, L.C.; Porojan, L. Micro-CT Marginal and Internal Fit Evaluation of CAD/CAM High-Performance Polymer Onlay Restorations. Polymers2023**,** 15**,** 1715. <https://doi.org/10.3390/polym15071715>

FI ISI: 4.967, indexed PubMed

2) **Toma, F.R.;** Porojan, S.D.; Vasiliu, R.D.; Porojan, L. The Effect of Polishing, Glazing, and Aging on Optical Characteristics of Multi-Layered Dental Zirconia with Different Degrees of Translucency. J. Funct. Biomater.2023, 14**,** 68. <https://doi.org/10.3390/jfb14020068>

FI ISI: 4.901, indexed PubMed

3) Porojan, L.; **Toma, F.R**.; Bîrdeanu, M.I.; Vasiliu, R.D.; Matichescu, A. Topographical and Optical Characteristics of Thermoplastic Dental Appliances Materials Related to Water Sorption. J. Funct. Biomater.2023,14**,** 190. <https://doi.org/10.3390/jfb14040190>

FI ISI: 4.901, indexed PubMed

4) **Toma, F.R.;** Bîrdeanu, M.I.; Uțu, I.D.; Vasiliu, R.D.; Moleriu, L.C.; Porojan, L. Surface Characteristics of High Translucent Multilayered Dental Zirconia Related to Aging. Materials2022**,** 15**,** 3606. <https://doi.org/10.3390/ma15103606>

FI ISI: 3.623, indexed PubMed

5) Porojan, L.; **Toma, F.R**.; Uțu, I.-D.; Vasiliu, R.D. Optical Behavior and Surface Analysis of Dental Resin Matrix Ceramics Related to Thermocycling and Finishing. Appl. Sci.2022,12**,** 4346. <https://doi.org/10.3390/app12094346>

FI ISI: 2.838

6) Porojan, L.; **Toma, F.R**.; C.; Vasiliu, R.D.; Uțu, I.-D.; Matichescu, A. Surface Characteristics and Color Stability of Dental PEEK Related to Water Saturation and Thermal Cycling. Polymers2022,14**,** 2144. [https://doi.org/10.3390/ polym14112144](https://doi.org/10.3390/%20polym14112144)

FI ISI: 4.967, indexed PubMed

7) Porojan, L.; **Toma, F.R**.; Vasiliu, R.D.; Topală, F.-I.; Porojan, S.D.; Matichescu, A. Optical Properties and Color Stability of Dental PEEK Related to Artificial Ageing and Staining. Polymers2021,13**,** 4102. [https://doi.org/10.3390/ polym13234102](https://doi.org/10.3390/%20polym13234102)

FI ISI: 4.329, indexed PubMed

b) Articole în reviste indexate BDI:

1) **Toma, F.R.;** Bîrdeanu, M.I.; Uțu, I.-D.; Porojan, L., Surface characteristics assessment among layers of different translucent multilayered dental zirconia related to aging, *Materials Today: Proceedings*, [Volume 78, Part 2](https://www.sciencedirect.com/journal/materials-today-proceedings/vol/78/part/P2), 2023, Pages 235-241 <https://doi.org/10.1016/j.matpr.2022.11.121>,

indexed BDI (Scopus)

2) Porojan, L.; **Toma, F.R.;** Vasiliu, R.D.; Matichescu, A. Surface roughness and color changes of dental PEEK related to staining beverages and cleaning methods. *Materials Today: Proceedings*, [Volume 78, Part 2](https://www.sciencedirect.com/journal/materials-today-proceedings/vol/78/part/P2), 2023, Pages 221-226 <https://doi.org/10.1016/j.matpr.2022.10.174>.

indexed BDI (Scopus)

**Lucrări/studii publicate în rezumat:**

**Flavia Roxana Toma**, Mihaela Ionela Bîrdeanu, Liliana Porojan Surface Characteristics Evaluation of Translucent Multilayered Dental Zirconia Subjected to Different Methods of Aging ; 3rd Biennial Conference Biomaterials and novel technologies for healthcare

October 18-21, 2022 Rome – Italy National Research Council ISBN 978 88 8080 500 7 (electronic edition), pg. 230-231 [book-of-proceedings-3rd-BIOMAH\_15\_10\_202\_final.pdf](file:///C:\Users\Flavia\Downloads\book-of-proceedings-3rd-BIOMAH_15_10_202_final.pdf)

**Postere:**

1) **Flavia Roxana Toma**, Mihaela Ionela Bîrdeanu, Ion-Dragoș Uțu, Liliana Porojan., Surface characteristics assessment among layers of different translucent multilayered dental zirconia related to aging.

The 9th International Conference on Advanced Materials and Structures AMS 2022, University Politehnica Timișoara, Romania, 16th-18th June 2022

2) **Flavia Roxana Toma**, Mihaela Ionela Bîrdeanu, Liliana Porojan Surface Characteristics Evaluation of Translucent Multilayered Dental Zirconia Subjected to Different Methods of Aging; 3rd Biennial Conference Biomaterials and novel technologies for healthcare

October 18-21, 2022 Rome – Italy

3) Porojan Liliana, **Toma Flavia Roxana**, Vasiliu Roxana Diana, Matichescu Anamaria Surface roughness and color changes of dental PEEK related to staining beverages and cleaning methods; The 9th International Conference on Advanced Materials and Structures AMS 2022, University Politehnica Timișoara, Romania, 16th-18th June 2022

4) Liliana Porojan, Mihaela Ionela Birdeanu, Roxana Diana Vasiliu, **Flavia Roxana Toma**, Anamaria Matichescu, Color changes and alterations in surface topography of thermoformed plastic appliances related to staining and cleaning; 98th European Orthodontic Society Congress, 11-15 June 2023 Oslo, Norway

5) Liliana Porojan, Roxana Diana Vasiliu, Sorin Daniel Porojan, **Flavia Roxana Toma**, Effect of denture cleaners on surface microroughness and hardness of Cobalt- Chromium alloys; 28th Congress of the European Society of Biomechanics, July 9-12, 2023 Maastricht, the Netherlands