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Surface Properties of Dental Materials and Instruments, 2nd Edition

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Deadline for manuscript submissions:
closed (20 August 2024)

Message from the Guest Editors

Dear Colleagues,

Dental materials and instruments are constantly being improved. Additionally, every day, new products are being introduced into the market. This Special Issue will focus on evaluation of antimicrobial, chemical, tribological, and mechanical surface properties of commercially available/experimental dental materials and instruments.

Dental materials and instruments are subjected to microbial biofilm. Therefore, evaluation and enhancement of antimicrobial properties of dental products set new trends in the development of material sciences.

Dental materials such as adhesive systems, composite resins, ceramics, implants, alloys, and acrylic resins are exposed to oral environments and undergo chemical changes and mechanical factors.

Reviews and research on both experimental and commercially available products are welcome.

Prof. Dr. Monika Lukomska-Szymanska

Prof. Dr. Louis Hardan

Guest Editors

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Message from the Editorial Board

Now more than ever, research is asked to deliver knowledge and technologies to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research topics.

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