



Inkjet-Printed Thin Film Devices

Guest Editor:

Dr. Seungjun Chung

Photo-Electronic Hybrids
Research Center, Korea Institute
of Science and Technology,
Seoul 02792, South Korea

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Message from the Guest Editor

Dear Colleagues,

As the demands for wearable or implantable devices/systems increase, new solutions in terms of suitable materials and processes are highly desirable. In particular, future electronics may need to be free from rigid substrates fabricated through a series of subtractive processes, such as traditional evaporation processes with masks or photolithography followed by etching. The aim of this Special Issue is to present advanced printable materials as well as the state-of-the-art of inkjet-printed thin film devices and solution-processed flexible electronics that combine these fundamental and applied research topics. These include, but are not limited to:

- Inkjet-printed organic/inorganic thin-film transistors
- Inkjet-printed light-emitting devices
- Inkjet-printed sensors
- Inkjet-printed bioelectronic devices
- Inkjet-printable materials
- Other advanced printing techniques
- A wide range of printed electronics
- Flexible/stretchable platforms suitable to printing process





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ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

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.

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Coatings Editorial Office
MDPI, Grosspeteranlage 5
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