

A letter from the Editor

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The latest issue of the Journal in 2020 rounds off the time when the lives of all of us have changed, but the authors, reviewers, editors, and users have enabled its smooth publication by their contribution.

This time, four interesting papers have been published in scientific content. The overview begins with the first original scientific paper dealing with a 3D-printed spectral verification system for colorimetric biosensors, based on gold nanoparticles aggregation that changes their colour when cysteine analyte is added, which affects the spectral transmission of the sensor. In another original scientific paper, the optimization of the milling process for water-based printing inks is discussed based on the determination and optimization of parameters influencing the optimal specific energy consumption and the size of the dispersed pigment particles in the printing ink.

Two more research papers follow. The first is a report on an extensive survey of paper metrics as predictors of the quality of inkjet printers, and the second discusses the competencies and tools of higher education graphic communications programs. The content of both is non-conventional, as in the first case a large number of samples and several equipment manufacturers are included in the research, while in educational programs the emphasis is on the expectations and requirements of industrial partners and not primarily on the educational institutions.

The Topicalities are shorter for two pages of Events affected by pandemic situation and measures, however, Markéta Držková (marketa.drzkova@jpmtr.org) collected and edited some interesting information for us. Update on CIE publications and most important Fogra activities in the last year are presented in News & more section. In the overview of the Bookshelf, the books are listed from the fields of printed electronics, 3D printing materials, media, colour science, typography, design, and history.

The overview of three interesting doctoral dissertations begins with the thesis defended by Titas Braukyla at the Kaunas University of Technology. The author investigated functional Tröger molecules for optoelectronic applications including perovskite solar cells and light-emitting materials. The second thesis was defended by Aditya Suneel Sole at the Norwegian University of Science and Technology in Gjøvik. The author investigated a self-designed image-based measurement setup for flexible packaging print materials with complex optical properties. The third thesis is based on the research of roll-to-roll reverse offset printed millimeter-wave antennas on flexible substrates, presenting their fabrication, methods for quantification of radiation performance, efficiency and stability of the chosen printing method, and materials used. The author Jianfang Zheng defended his thesis at Aalto University in Espoo.

The list of events is shorter than usual due to many conferences, seminars, and fairs canceled or postponed for a few months or even a year. Even the events which will be held in the next months are at least partly planned as online events. An overview of changes in the announcement of new dates or form of the events is added together with some information for attendees. Some new dates are considering the optimistic scenario, however, any further changes due to the pandemic situation cannot be excluded.

With 14 scientific contributions and one technical paper published in Volume 9 (2020), we achieved the main goal of the Journal, the well-established channel dedicated to the dissemination of the knowledge and research results in the field known as print and media technology. We are optimistic also at the beginning of the new year. In the name of the editorial team, I wish you a healthy and happy new year 2021, with successfully fulfilled research and academic goals.

Ljubljana, December 2020