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The Blue Sky Young Researchers Europe Prize



Jahan Golestani, a PhD student at LGP2, received the Blue Sky Young Researchers Europe Prize at the CEPI's European Paper Week.

European Paper Week was held in Brussels on 28-30 November 2017 by the Confederation of European Paper Industries (CEPI). More than 300 participants – companies, universities, government associations, consulting groups and media outlets – attended the event.

The CEPI had invited young researchers to apply for a chance to win the Blue Sky Young Researchers Europe Prize. Among the eight finalists selected, three received the prize in November last year, including Jahan Golestani, who is currently in the 2nd year of her PhD at the Laboratory of Pulp and Paper Science and Graphic Arts (LGP2) under the supervision of Christine Chirat, Associate Professor with Accreditation to Lead Research, and Professor Dominique Lachenal.

Jahan presented her research topic, *A process to purify wood cellulose by coupling enzymatic and chemical reactions*. The process involves extracting hemicelluloses from kraft paper through enzyme treatment and characterising the oligomers extracted from the pulp. The main objective is to produce pure cellulose using a green process. The second is to obtain oligosaccharides for subsequent use in high-value-added projects.

Furthermore, as a result of this prize the CEPI will automatically put her forward for the International Council of Forest and Paper Associations (ICFPA) contest, which takes place in 2019.

Photo: P18_Cepi-BlueSky.jpg (Jahan Golestani, left) - Logo: logo-lgp2.eps

The Laboratory of Pulp and Paper Science and Graphic Arts (LGP2) is a joint research unit (UMR 5518) run by the CNRS, Grenoble INP and the Agefpi and conducting its scientific activities in connection with the academic community Université Grenoble Alpes. It is home to three teams: *Biorefinery: chemistry and eco-processes – Multiscale biobased materials – Surface functionalization by printing processes*. The research conducted by LGP2 strives to meet society's expectations when it comes to sustainable development (green chemistry, clean processes, recycling, biobased materials, renewable energy) and traceability & safety (functional materials, smart paper and packaging). <http://pagora.grenoble-inp.fr/research/>

Grenoble INP-Pagora, the international school of paper, print media and biomaterials Quality Safety & Environment certified, it is part of Grenoble INP, Institute of Engineering whose objective is to train "engineers creative, responsible, committed to a sustainable world". The school trains engineers for the sectors of green chemistry, paper, printing, packaging, biomaterials and printed electronics. It also offers a vocational degree (*Interactive Printed and Digital Media*). Its wide range of courses, its pedagogical expertise and its strong partnerships with companies allow it to constantly tailor its training to industry's needs and, for its 60 graduates a year, to access stimulating careers in France and abroad. Grenoble INP-Pagora also provides international training in conjunction with several European universities; the 2nd year of the engineer course and a Post Master *Biorefinery: bioenergy, bioproducts & biomaterials* are delivered in English. The innovative research performed by its LGP2 laboratory helps to improve processes and create products that meet all the latest requirements, notably those linked to the environment. The Cerig's role is to keep an active eye on technological developments in these industries. These various activities ensure that the training offered is up to date with the latest scientific and technological advances. <http://pagora.grenoble-inp.fr> – <http://cerig.pagora.grenoble-inp.fr>