

Uroš Novak

Slovenia



uros.novak@ki.si



+386 1 4760 283



[linkedin.com/in/uros-novak-scientistagainstplastic](https://www.linkedin.com/in/uros-novak-scientistagainstplastic)

Summary

Experienced Researcher with an obtained Ph.D. in Chemical Engineering. Skilled in Biotechnology, Research and Development (R&D), Startup Development, Chemical Engineering, and Science with more than 10 years of experience. Author of 40+ scientific articles (1000+ citations), and speaker at more than 150 events. Leader of the research group for Bioplastics, biocomposites and zero-waste technologies at the Department of Catalysis and Chemical Reaction Engineering at the National Institute of Chemistry, Slovenia. Coordinator of the BioApp platform, establishing a sustainable flow of information among stakeholders included in the production of products made out of innovative natural biopolymer material with high added value and the corresponding development of services focused on the needs of the food, cosmetics and health-related industries. Passionate for transforming science into practical solutions. Finalist of the EU social innovation challenge in 2019, further leading to the creation of 123zero start-up. Co-founder and CTO in two start-ups with the ambition to cocreate and support one new start-up per year. Recipient of multiple national and international awards for scientific excellence as well as for his innovations and inventions. Coordinator of the Horizon Europe Missions Lighthouse project REMEDIES and principal investigator in 4 Horizon Europe projects (ESTELLA, RURALITIES, PROPLANET and UPSTREAM) and Interreg Central Europe (TeBiCe).

Experience



Coordinator of Horizon Europe MISSION project REMEDIES

Kemijski inštitut - National Institute of Chemistry

Dec 2022 - Present (9 months)



BioApp platform coordinator

Kemijski inštitut - National Institute of Chemistry

Oct 2017 - Present (5 years 11 months)

TechnoTransregional technological platform for the transfer of advanced bio-polymers from lab to market



Research Group Lead (Scientists against plastic)

Kemijski inštitut - National Institute of Chemistry

Oct 2017 - Present (5 years 11 months)

For the future without plastic. New bioplastic from natural biopolymers, zero-waste cosmetics and circular, fashion innovations. Keep your habits, leave no waste behind.

The coordination of the project "BioApp - Transregional technological platform for transfer of advanced bio-polymers from lab to market" financed under the Interreg V-A Program Italy-Slovenia 2014-2020.



Assistant Professor

Faculty of Polymer Technology

Jan 2023 - Present (8 months)

Subject: Polymer materials from renewable raw materials and technology



Co-Founder

123zero

Sep 2019 - Present (4 years)



Director

Waste Into Treasure - WIT, zavod za kreativne in inovativne ideje, ter njihovo uresničevanje

Feb 2020 - Present (3 years 7 months)



Member Of The Board Of Advisors

Milkywaste

Nov 2020 - Present (2 years 10 months)



Researcher

Kemijski inštitut - National Institute of Chemistry

Feb 2016 - Oct 2017 (1 year 9 months)



Researcher

University of Ljubljana

Jul 2014 - Feb 2016 (1 year 8 months)



PHD Researcher

University of Ljubljana, Faculty of Chemistry and Chemical Technology

Nov 2010 - Jul 2014 (3 years 9 months)

Education



University of Ljubljana, Faculty of Chemistry and Chemical Technology

Doctor of Philosophy (Ph.D.), Chemical Engineering

2010 - 2014



University of Ljubljana, Faculty of Chemistry and Chemical Technology

Bachelor's Degree, Chemical Engineering

2005 - 2010

Skills

Project Coordination • citizen science demonstrator • Lecturing • Teaching • Mentoring • Start-up Environment • Business Development • Consulting • Product Development • Project Management

Honors & Awards



Excellence in Science 2019 - Slovenian Research Agency

Oct 2019

Awarded for the best publication in the field of Chemical Engineering for the year 2019



2019 European social innovation competition - EU commission

Sep 2019

From the competing of almost 500 ideas we have reached the Finals.

With a team, we have presented an idea and developed no waste shampoo marbles to eliminate single-use plastic bottles in the cosmetic industry.