

Bilateral projects in progress

Bilateral projects	Country	Title	Project number	Project coordinator	Duration
	Austria	Development and mechanical characterization of metamaterials for lightweight design	BI-AT/23-24-029	Prof. Dr. Janez Kramberger janez.kramberger@um.si	1.1.2023 - 31.12.2024
	Bosnia and Herzegovina	Investigations into the applicability of stochastic and ordered cellular structures at the meso and macro level in general mechanical engineering	BI-BA/24-25-021	Assist. Prof. Dr. Jasmin Kaljun jasmin.kaljun@um.si	1.1.2024 - 31.12.2025
	Bosnia and Herzegovina	Digital transformation: Innovations to increase the performance of machining systems and processes	BI-BA/24-25-022	Assoc. Prof. Dr. Mirko Ficko mirko.ficko@um.si	1.1.2024 - 31.12.2025
	Bosnia and Herzegovina	Investigation of the moulding place influence and the effect of glass fibres on the mechanical behaviour of a structure from composite polymer produced by injection moulding	BI-BA/24-25-041	Assist. Prof. Dr. Tomaž Vuherer tomaz.vuherer@um.si	1.1.2024 - 31.12.2025
	Bosnia and Herzegovina	Synthesis and characterization of polymer and textile composites and nanocomposites with high dielectric permittivity	BI-BA/24-25-025	Assist. Prof. Dr. Manja Kurečič manja.kurecic@um.si	1.1.2024 - 31.12.2025
	Bosnia and Herzegovina	Development of a smart manufacturing environment with adaptive collaborative and industrial robots and artificial intelligence	BI-BA/24-25-010	Assist. Prof. Dr. Janez Gotlih janez.gotlih@um.si	1.1.2024 - 31.12.2025
	Montenegro	Integrity assurance of ATIG weld joints on austenitic-feritic duplex steels welded with activating flux	BI-ME/23-24-019	Assist. Prof. Dr. Tomaž Vuherer tomaz.vuherer@um.si	1.1.2023 - 31.12.2024
	India	Development and characterization of novel bioresorbable zinc alloys for biomedical applications	BI-IN/22-23-020	Assist. Prof. Dr. Matej Bračič matej.bracic@um.si	1.1.2022 – 31.12.2024
	Germany	Advanced Digital transformation of German and Slovenian manufacturing industry	BI-DE/23-24-008	Assist. Prof. Dr. Robert Ojsteršek robert.ojstersek@um.si	1.1.2023 - 31.12.2024
	Turkey	Nanofluids Modeling Strategies Evaluation based on Natural Circulation Mini-Loops	BI-TR/22-24-05	Prof. Dr. Jure Ravnik jure.ravnik@um.si	10.10.2022 - 31.12.2024

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	Serbia	Monitoring the electro-chemical and corrosion properties of new Au-Ge alloy in different working conditions	BI-RS/23-25-026	Prof. Dr. Rebeka Rudolf rebeka.rudolf@um.si	1.7.2023 – 30.6.2025
	USA	Combined peridynamic modeling and experimental investigation to characterize the fracture behaviour of metastable austenite under static and dynamic loading	BI-US/22-24-036	Prof. Dr. Nenad Gubeljak nenad.gubeljak@um.si	1.7.2022 – 30.6.2024
	USA	Development and mechanical characterization of a novel biodegradable stent	BI-US/22-24-144	Prof. Dr. Janez Kramberger janez.kramberger@um.si	1.7.2022 – 30.6.2024