

1923 IMSEF FINALIST LIST

Project Category	Project Name	Student Name and Surname
Biology	Development of an antifungal cream from <i>Origanum vulgare</i>	Tadeo Emiliano Oloarte Soria, Andy Jose Lara Dominguez
Biology	Modulation of the stress response using a probiotic yogurt in a zebrafish (<i>Danio rerio</i>) model: evaluation of cortisol levels.	Frida Yovanna Báez Sayago, Alejandro Hoyos Olivo
Biology	Evaluation of <i>Centella asiatica</i> (L.) Leaf Extract in a Zebrafish (<i>Danio rerio</i>) Model Induced with Alzheimer's Disease	Alejandra Narváez García, Roberto Ramírez Gómez, Gisela del Carmen Jarvio Flores
Biology	Preparation of a Biopesticide Based on the Plants <i>Chrysanthemum cinerariifolium</i> , <i>Artemisia absinthium</i> and <i>Azadirachta indica</i>	Angela Camarillo Martinez, Elías Arturo Rueda Salazar
Biology	Antimicrobial potential of a honey and propolis-based cream in people with diabetes mellitus	Raúl García herrera
Biology	Evaluation of the Anticancer Potential of Metabolites Produced by Endophytic Fungi Isolated from the Root of <i>Smilax aristolochiifolia</i> in an Experimental Leukemia Model	Melissa Jatzin Gutierrez Cano, Jollette Lozada Moreno
Biology	Modular Orthotic Versatile Exoskeleton	Iconomescu Alexia, Pătrașcu Matteo, Condrici Mihai
Biology	Comparative Analysis of Micromycete Abundance in Natural Reservoirs and Water Supply Systems in Summer and Winter Periods	Lev Zarubin
Biology	Enhancing Halotherapy for Arctic Respiratory Health: Simulating a Marine Microclimate with <i>Kempendyai</i> and Sea Salts	David Zorin
Biology	Effect of <i>Apilactobacillus kunkeei</i> strains on vitamin D receptor expression and lifespan of <i>Caenorhabditis elegans</i>	Iskra Gnjidić
Biology	Impact of plastic fragments in the substrate on the growth and physiological parameters of wheat (<i>Triticum aestivum</i>)	Marija Ignjatijević
Biology	The millipede <i>Glomeris hexasticha</i> Brandt, 1833 (Diplopoda, Glomerida) as a bioindicator of metal accumulation from soil and litter	Ana Savićević
Biology	The possibility of using <i>Tenebrio molitor</i> larvae in the biodegradation of polystyrene	Mara Stanisic
Biology	Comparative analysis of the peptide hormone GLP-1 in mammals	Teodora Arsić
Biology	Predicting stress recovery using modeling of DNA methylation changes of the <i>osmC</i> gene in <i>E.Coli</i> bacteria	Ayandiswa Mloyi
Biology	A Cultural Alternative To NSAIDS	Maxine Gotora, Nicole Lufeli
Physics	Emus-Estação De Monitoramento Do Solo- Iot	Elizabeth Santana Alves
Physics	Study Of Solar Panel Power Dependence On Tilt Angle	Gadzhikuliev
Physics	Theoretical analysis of the effect of copper, tin, and vanadium doping on the electrochromic properties of Ni-deficient NiO	Katarina Jakovljević

Physics	The Impact Of He–Ne And Diode Lasers On Growth And Damage Of Garden Cress	Jelena Ječmenica
Physics	Acoustic-Based Microbubble as Curved Optical Waveguide in Dense Fluids	Chun-Yu Cheng, Ching-Yen Wang
Chemistry	Impact of alterations in carbon dynamics on soil fertility and conservation.	Horiana
Chemistry	Seasonal dynamics of metal accumulation in the biomass of <i>Chlorella sorokiniana</i> from the urban photobioreactor LIQUID3	Katarina Jovanov
Chemistry	Optimization of the process of obtaining electrophoretically deposited polymer/hydroxyapatite composite coatings on titanium with and without gentamicin	Julija Djosic
Chemistry	Highly efficient cancer cell labeling using a novel fucose-based reporter	LIANG, CHIA-YING
Chemistry	Investigating Crude apple-derived plasticiser extract as a Novel Plasticiser in Cow Dung Fibre Biodegradable Plastics.	Nayeli Chinzou
Maths-Computer	Development of a Web Application for Automatic School Timetable Generation v2.0	Daria Uspanova
Maths-Computer	Properties of sets with a low turning number	Marko Kragulj
Maths-Computer	The Equal-Area Problem for Polygons Generated by Reflection	CHANG, TING-JUI
Maths-Computer	BrailleEye: A Vision Language Model to Support Learning for the Visually Impaired (A Vision Language Model to Support Learning for Visually Impaired)	Che Lin, Hung-Te Liao
Maths-Computer	Dr. Sick: An Integrated Digital Health System for NCD Management and Healthcare Access in Low-Resource Environments	Jason Nkanyiso Mguni
Maths-Computer	FlowGrid	Meeghan Katiyo
Maths-Computer	The Web Crawler	Tinodaishe Mataka, Hermela Kassaye
Energy-Engineering	BeeMind: Automated System for Learning Braille Based on Artificial Intelligence and Computer Vision	Azul Arantza Copca Jeronimo, German Javier Padilla Burgos, Elias Alfonso Calderon Meneses
Energy-Engineering	Modular charging station	Stepan Goriavchev
Energy-Engineering	Application of the Yutkin Effect for Breaking Oversize Rocks	Aleksandr Farkov
Energy-Engineering	The airplane for the urban youngster	Kian Potgieter
Energy-Engineering	Development of Solar Water Heating Systems in Rural Households of Tajikistan	Nursulton Azizov, Abdurashid Kodirov, Alisher Vazirov
Energy-Engineering	BioGen	Isaac Muketiwa
Energy-Engineering	Design and Evaluation of a low-cost greywater filtration system using locally available materials in Zimbabwe	Ruvarashe Leonah Madziyire
Energy-Engineering	Eco-Brick	Chloe Mtemeri, Charlene Gwatiringa, Nyasha Makoni