

Project List of International Participants of 2022 TISF

Math

Project No.	Project Title
010037	Locus of the Points on Circumference of the n-th Circle that Formed by Moving the Center of any Radius Circles on the Outermost Circumference of Preceding set of Circles
010038	Properties of possible counterexamples to the Seymour's Second Neighborhood Conjecture

Chemistry

Project No.	Project Title
030024	In Silico Modeling of Lovastatin Analogues as Inhibitors of HIV-1 Nef Protein
030025	Investigating the application of nanotechnology for detecting fishes hatching time
030026	Modification of silica surface with supercritical water as a tool indicating new possibilities of existing separation methods
030027	PVA unveiled the actual role of starch in the Briggs-Rauscher reaction
030028	A new approach to obtaining light-absorbing perovskite layers $\text{CH}_3\text{NH}_3\text{PbI}_3$ for utilization in third-generation solar cells.
030029	Eschweiler–Clarke reaction without formic acid

Animal Sciences

Project No.	Project Title
050016	The Reproduction success of the Cyprinidae and a Claridae fish species and its impact on small- scale fisheries
050017	The Population Structure of the Orange River mudfish (<i>Labeo capensis</i>) in Allemanskraal Dam and Its potential as a Fishery Species
050018	The influence of lanscape on nest preferences and behavior of twig nesting Hymenoptera
050019	Territorial behaviour of the Eurasian Wren (<i>Troglodytes troglodytes</i>) during autumn migration and wintering in the urban environment of Hradec Králové, Czech Republic

Microbiology

Project No.	Project Title
070007	Expectations for extension of cell life and next generation anticancer drugs by using secondary metabolites of actinomycetes

Biochemistry

Project No.	Project Title
080012	BIOINFORMATIC PREDICTION OF CORONAVIRUS (SARS-COV-2) MUTATIONS THAT INCREASE CONTAGIOUSNESS

Medicine an Health Sciences

Project No.	Project Title
090025	HOST TARGET PROTEINS OF SPIKE PROTEIN OF SARS-COV-2
090026	Anti-bacterial Crab bio-bandages with Bio-dressings 2.0
090027	Preparation of a Specific Detector for Aspergillus Niger in Swimming Pools

Engineering

Project No.	Project Title
100040	Development of an Audio Modulated Tesla Coil
100041	An Analysis and Optimization of Double Parallelogram Lifting Mechanism
100042	What is the relationship between angular velocity and power efficiency of a twin blanded single rotor helicopter system, in hover?
100044	Susanito, autonomous robot body temperature meter: support to reduce infections in rows
100045	IoT based automatic water temperature adjustor
100046	Line Following Waiter Robot

Behavioral and Social Sciences

Project No.	Project Title
130012	Introduction of Omed-Omedan Tradition Through Augmented Reality-Based Card Games To Increase The Love of Local Culture

Physics and Astronomy

Project No.	Project Title
160032	CONTACTLESS AND NON-DESTRUCTIVE DETECTION OF CHICKEN MEAT CONTAMINATION WITH LASER SPECKLE METHOD

Earth and Environmental Sciences

Project No.	Project Title
180014	Bio-Circular-Green Superabsorber
180015	The Use of Brine Shrimp to Test for Water Pollutants
180016	Microfossil association of the Štítý locality
180017	HOPE WASTE (House Processor Waste) with IoT (Internet of Things) as a Laundry Liquid Waste Treatment Household Environment

Computer and Information Engineering

Project No.	Project Title
190038	A Person Re-identification based Misidentification-proof Person Following Service Robot
190039	Cross-lingual Information Retrieval
190040	Enhancement of Online Stochastic Gradient Descent using Backward Queried Images
190041	Solving Mathematical and Chemical Equations using Python
190042	Development of an Android Application for Triage Prediction in Hospital Emergency Departments
190043	Development of an autonomous Search and Rescue Drone
190044	crack defection detector
190045	Limited Query Black-box Adversarial Attacks in the Real World
190046	Method of prosthetic vision
190047	A.N.T.s: Algorithm for Navigating Traffic System in Automated Warehouses

Environmental Engineering

Project No.	Project Title
200015	A New Method For Microplastic Removal and Optical Measurement
200016	Generating Conditioned Air in an Open Space in Accordance with Sustainable Architecture Criteria (Based on Wind-Catchers)
200017	Prismalla: Mist water collector