



## YISF 2024 1st Round Results

### Category №3 Life Sciences, Environmental Sciences and Chemistry

No	Participants	Project Name	Country	Advances to the finals (yes/no)
1	Beloborodova Aleksandra Ilyinichna	Investigating the Mechanical Properties of Polylactide Thin Films for Medical Use	Russia	Yes
2	Bryzgaev Danil Igorevich	Experiments on Protection from Man-Made Consequences of Oil Spills in Rural Areas	Russia	Yes
3	Bulatova Svetlana Rashidovna	Creating a Closed Ecosystem at Home	Russia	Yes
4	Dmitrieva Michiye Dmitrievna	Developing Reinforcing Filaments Based on Polylactide	Russia	Yes
5	Doktorova Amelia Konstantinovna	Making Eco-Friendly Cups from Black Soil for Sales of School Seedlings	Russia	Yes
6	Kanavina Ksenia Alekseevna	Effect of Ethyl Alcohol in Low Doses on the Behavioral Activity of Danio Rerio	Russia	Yes
7	Lobanov Ayaal Alexandrovich	Map of Mammoth Fauna Locations of Amga Ulus (District) of the Republic of Sakha (Yakutia)	Russia	Yes
8	Naiminov Bamba Andjaevich	Surface Electrostatic Potential of Myoglobins in Different Vertebrate Species	Russia	Yes
9	Nikiforova Michiye Ivanovna	Salt Enriched with Herbal Phytocomponents	Russia	Yes
10	Pestryakova Milana Nikolaevna	Synthesis of Phosphors Based on Boric Acid	Russia	Yes

11	Petrov Vadim Yakovlevich	Developing Composite Filaments Based on Polylactide	Russia	Yes
12	Romanova Ekaterina Nikolaevna	Transformation of Taiga Flora under the Influence of Anthropogenic Factors in the Territory of the «Kenkeme Reserve» Eco-Trail	Russia	Yes
13	Samieva Samira Ruslanbekovna	Comparative Analysis of River Water Quality in the Nyurba District of the Republic of Sakha (Yakutia)	Russia	Yes
14	Sivtseva Saina Ivanovna	Determination of the Toxic Effect of Polylactide in Vivo	Russia	Yes
15	Vasileva Daria Aleksandrovna	Investigation of the Effect of Film Thicknesses on Fibroblasts Adhesion and Proliferation	Russia	Yes
16	Vasiliev Damir Anatolyevich	Biodegradable Polyfilm from the Scales of the Yakut Carp	Russia	Yes
17	Vasiliev Nyurgun Ruslanovich	Study of Thermokarst Formation Dynamics Using Satellite Images	Russia	Yes
18	Zagorovskaya Polina Sergeevna	Assessment of the Effect of Computer Vision Syndrome (CVS) on the Volume of Relative Accommodation (VRA) and the Risk of Occurrence/Progression of Myopia in Schoolchildren	Russia	Yes
19	Zorin David Kapitonovich	Study of the Ecological State of Lake Tumusukan in the Vilaage of Suntar, Suntar District, Using the Bioindication Method	Russia	Yes
20	Mr. Barış Özturan Ms. Sudenaz Özkırdeniz	Development of a Nanobiotechnology-Based Controlled Drug Release System to Increase Therapeutic Effect in Neurological Diseases	Turkey	Yes
21	Mr.Kağan Sayoğlu Mr. Atilla Gökoğlu	Development of Magnetic Nanoparticle Added Cryogel Membrane Materials for the Removal of Pharmaceutical Wastes	Turkey	Yes
22	Ms. Eleonora Culot	Biosustainable, Water-Soluble and Antimicrobial Film Derived from Citrus Waste	Italy	Yes

23	Ms. Nirvana Darvishi Ms. Elina Bahrami Ms. Saba Khalili Araghi Mr. Sayed Abadulrahman Emad Mr. Amirhossein Khalaji	Production of Skin Patch Using Chitosan-Nanocellulose Nanocomposites, and Investigation of Its Antibacterial Properties	Iran	Yes
24	Mr. Aras Sahraiiyan Mr. Mardin Moradi Ms. Melisa Feyzi Ms. Parham Rajaei Ms. Elena Esmaili	Cockroach-Inspired Radiation-Repellent Skin	Iran	Yes
25	Mr. Sina Moghadam Nodehi	Exploring the Production and Manufacturing Processes of Wound Dressings Infused with Bacterial Cellulose Nanofibers to Enhance and Expedite Wound Healing	Iran	Yes
26	Ms. Paniz Karimiyazdi	Examination of Bacteriocin Effect from Probiotic Bacteria on MRSA Antibiotic Resistance	Iran	Yes
27	Mr. Mohammadsam Nematimoein Mr. Mahan Ghadimi	Evaluation of Gamma-Aminobutyric Acid efficiency on Caco2 Colorectal Cancer Cells	Iran	Yes
28	Mr. Iliya Nosratpanah	Evaluation and Synthesis of a Temperature-Sensitive Injectable Hydrogel Enhanced with Carbon Nanotubes for Application in Cardiac Tissue Engineering	Iran	Yes
29	Mr. Amirhossein Manafi	Synthesis and Investigation of Carbohydrate-Based Quantum Dots using the Hydrothermal Method	Iran	Yes
30	Fazeleh Sohrabi Farbod Derakhshandehpour Ouya Ahmadi Eilia Farhang Amir Mohammad Abbasi	Synthesis of Zinc Oxide/Silicon Dioxide Nanocomposite Modified with Quinine for Pollution Removal	Iran	No
31	Taha Ghasemi Mohammad Mehdi Heidari Parham Monsef Amirsam Mohammad	Synthesis of Silica-Coated Magnetic Core Nanocatalysts	Iran	No
32	Amirhafez Baghoulizadeh Karen Momeni Seyed homayoun Hosseini	Synthesis of Pharmaceutical Precursors of Pyran and Dihydropyridine with the Approach of Increasing the Immune System	Iran	No

33	Zadmehr Aflaki Soheil Mohammadrezai Radman Bagheri Arsam Mohammad	Application of Silicon Dioxide Nanoparticles Made by Sol-Gel Method in Better Drug Release	Iran	No
34	Parsa Jamshidian Arian Oumomian Mehrsa Soltani Behnia Heidari	Investigating the Catalytic Activity of Magnesium Aluminate-Magnesium Oxide Nanocomposite in the Synthesis of Pyranoquinoline Compounds	Iran	No
35	Kian Karbaschi Koorosh Sharifi Sam Poladkhan	The Effect of the Extract Isolated from the Wheat Plant on Improving the Quality of Zinc Oxide-Zinc Aluminate Nanocomposite	Iran	No
36	Seyed Mohammadsamyar Sari Arian Noorani Salar Taheri Arsha Jamshidian	Preparation of Nanoliposomes Containing Vitamin C	Iran	No
37	Mohammad Samie Mohsenirad Amirali Mazroei Mohammad Taha Nekouei Mehrad maherani Amirparsa Foroughi	Preparation of Bismuth Oxide-Nickel Alumina Nanocomposite and its Catalytic Application in the Synthesis of Pharmaceutical Compounds	Iran	No
38	Kazhal Rahimi Soushiant Heidari	The Magic Ingredient, the Missing Link Connecting Industry to Green Chemistry	Iran	No
39	Poyan Izadifard Koorosh Ajripour Armin Nasrmanesh Mahan Kalani	Three-Component Synthesis of Nitrogen and Oxygenated Heterocyclic Compounds Using Ionic Liquid Catalyst	Iran	No
40	Mehrad Noorzad Farbod Forouzandeh Arvin Baeidi Arshia Nikpour	Synthesis of Magnesium Oxide-Magnesium Aluminate Nanocomposite for Organic Reaction Catalyst	Iran	No

41	Mohammad Hasan Erfani Shayan Ghasemi Behnood Doroodi Ali Hemmasian	Synthesis of Pharmaceutical Precursors of Pyran and Dihydropyridine Using Active Substances Extracted from Medicinal Plants	Iran	No
42	Sami Soleimani Mohammad Sepehr Mokhtari Amir Mohammad Seidi	Modern Drug Delivery Systems with Maximum Absorption and Impact	Iran	No
43	Hossein Safari Alireza Dehghani	Synthesis of Silicon Dioxide Nanoparticles as Drug Carrier in Drug Delivery System	Iran	No
44	Ghazal Karimi Donya Rezaei Daniyal Davoudi Kian Nazeri	Synthesis of Magnetic Nanoparticles of Nickel-Iron Oxide Coated with Silica for Catalytic Use	Iran	No
45	Pouyan Fazaeli Amirali Yavand Abbasi Sina Saeedi	Cosmetic-Sanitary Kit with Available Materials	Iran	No
46	Radvin Momeni Kian Firouzi Hesam Mohammadi Radmehr Mohammadi Behnood Esfandiari	Without Gluten, Celiac Disease is Manageable	Iran	No
47	Amir Mohammad Nazarinejad Farnam Khorsandi Ariosam Fallahpour Kasri Amourizi	Investigating the Effect of Iranian Antioxidants on Reducing Oxidative Stress	Iran	No
48	Adrian Afshari Soushiant Tamizi	Biomes, Modern Technology in the Field of Urban Waste Reduction and Management	Iran	No

49	Ava Raeisi Mobin Aboutalebian Moein Aboutalebian Matin Aboutalebian Arshia Ilbeigi	Green Synthesis of Multicomponent Reactions with Medicinal Chemistry Approach	Iran	No
50	Reza Nazemi Amirhossein Jahanshahi Mahan Amiri	Extraction of the Active Ingredient in Pineapple Peel Extract with an Industrial Application Approach	Iran	No
51	Mohammad Sobhan Zamani Mohammad Sadra Toghiani Mehdi Taherzadeh	Special Diseases: Introduction, Recognition and Treatment	Iran	No
52	Ali Yazdani Erfan Sichani Arin Ghasemian	Synthesis of Nanoliposomes Carrying Vitamins in Garlic and Onion	Iran	No
53	Dina Karimian Abdollah Karimian Sam Torabi	Extraction of Effective Ingredients in Iranian Herbal Sources for Weight Loss and Diabetes Treatment	Iran	No
54	Arian Sar Afraz Nima Nemat Haman Nemat	Synthesis of 4-Hydroxyquinoline Pharmaceutical Precursor with a New Method	Iran	No