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PROJECTS IN 2019

Completed Research Projects

1. "The Effect of Critical Coagulation Concentration on Flotation Efficiencies", TÜBİTAK Project
2. "Development of Processes for the Handling of High Value-Added Potassium Salts from Domestic Potassium Feldspar Ores", TÜBİTAK 3001 Project
3. "Developing Process for the Addition of High Value Added KCl with Calcium Chloride to Be Produced from Kırşehir High Calcite Content Vollastonite", ITU Revolving Capital R&D Project,
4. "Recovery of Precious Metals in Printed Circuit Boards with Flotation and Centrifuge Separators", ITU GAP
5. "Development of Surface Properties of Biodegradable Alginate Based Polymeric Composite Thin Film of Magnesium Implants Fusible in the Body", TÜBİTAK 1002 Project,
6. "Determining the Performance of Three-Product Double Roller Heavy Media Separators", ITU BAP M.Sc.
7. "Recovery of Noble and Rare Metals in Printed Circuit Boards with Mineral Processing Methods", ITU BAP Master Degree
8. "Potassium Recovery from Potassium Feldspar Ore", ITU BAP M.Sc.
9. "Economic Production of Potassium Extraction from Feldspar Ores", ITU BAP M.Sc.

Ongoing Research Projects

1. "Innovative Technologies And Concepts For Fine Particle Flotation: Unlocking Future Fine-Grained Mineral And Critical Raw Materials Resources For The EU, Horizon 2020 'FineFuture' (No. 821265)
2. "Controllability of Three-Product Heavy Media Cyclone Separation Densities with Gravity Feed", ITU GAP
3. "Production of Clay-Based Gas Sensor Materials with Perovskite / Iron Oxide Added Fiber Structure and Development of Electrochemical Moisture Sensor", ITU GAP
4. "Separation of Textile Wastes for Recovering from Image Processing and Surface Chemistry Perspective", ITU BAP License
5. "Turkey Red Bed Type is Sediman Enrichment Technologies for Improving Outcomes in Precious Metals Copper Deposits", ITU BAP Ph.D.
6. "Investigation of Synergetic Effects of Collector Reagents Used in Feldspar Flotation", ITU BAP M.Sc.
7. "Investigation of Lithium Recovery from Nepheline Syenite Rocks in Kırşehir Region", ITU BAP M.Sc.

Ongoing Research Projects

1. The Effect of Critical Coagulation Concentration on Flotation Efficiencies, TÜBİTAK 1001 Project-117M659, 24 months, 01.11.2017-01.11.2019
2. "Development of Processes for the Handling of High Value-Added Potassium Salts from Domestic Potassium Feldspar Ores" TÜBİTAK 3001 Project-218M107
3. "Recovery of Precious Metals in Printed Circuit Boards with Flotation and Centrifuge Separators", ITU. BAP Project
4. "Recovery of noble and rare metals in printed circuit boards with ore enrichment methods", ITU BAP Master Thesis Project
5. "Potassium Chloride, Potassium Sulphate and Aluminum Sulphate for Fertilizer Industry from Potassium Feldspar Ores" ITU Master Thesis Project (MYL-2017-40528)
6. "Development of Turkey Red Bed Type Sediman enrichment Towards Precious Metals Technology Advantages of Copper Deposits", ITU PhD Thesis Project
7. "Investigation of Lithium Recovery from Nepheline Syenite Rocks in Kırşehir", ITU Master Thesis Project
8. "Development of sepiolite-added alginate nanocomposite coatings for biodegradable Mg based orthopedic implants and investigation of their surface properties", ITU Master Thesis Project,
9. "Enrichment of Profillit Ore with Flotation", ITU Master Thesis Project
10. "Determining the Performance of Three-Product Double Roller Heavy Media Separators", ITU Master Thesis Project
11. "Production And Characterization Of Clogging Controlled Sepiolite Clay Added Polysulfone Membranes", ITU BAP Research Project
12. "Production of clay based gas sensor materials with perovskite / iron oxide added fiber structure and development of electrochemical moisture sensor", ITU BAP Research Project

Completed Industrial Projects

1. "Recovery of Metals from Thermal Power Plant Ashes", Park Termik Elektrik Sanayi ve Ticaret A.Ş. In the name of
2. "Characterization and Optimization of Calcination and Lime Production Process", Technological Research Project, Red Rock Minerals Madencilik Ltd. Sti. On behalf of ITU Revolving Fund Operations. Project
3. "Technological Research for Enrichment of Gaziantep Region Bauxite Ore by Physical Enrichment Methods and Generation of Process Flow Chart to Provide Production of Bauxite Concentrate and By-Products Belongs to Red Rock Minerals" Red Rock Minerals Madencilik Ltd. Sti. On behalf of ITU Revolving Fund Operations. Project
4. "Enrichment of Sand Sample of Checkers Mining", İTÜ Döner Capital İşl. Project

Ongoing Industrial Projects

1. "Enrichment of Kütahya / Gümüşköy Eye Pit Sulfur Zinc Ore with Flotation", İTÜ Döner Capital İşl. Project
2. "Investigation of Iron Ore's Enrichment Opportunities", İTÜ Döner Capital İşl. Project
3. "Manganese Concentrates Production and Size Enlargement", on behalf of Mine Development & Operation, İTÜ Döner Capital İşl. Project