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## ***PROJECTS IN 2018***

## Completed Research Projects

1. "Development of Adsorbent from Mineral Wastes in Wastewater Cleaning", ITU PhD Thesis Project
2. "High Quality Nanofiber Production from Fiber Structured Sepiolite and Afn Supported Investigation of Clogging Control Performance in Lb Nanofiber Coated Ultrafiltration Membranes" TUBİTAK 1001 Research Project
3. "The Effect of Recycling Water on Flotation", ITU BAP Project
4. "Enrichment of Konya İnlce Refractory Gold Ores", ITU Master Thesis Project

## Ongoing Research Projects

1. The Effect of Critical Coagulation Concentration on Flotation Yields, 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. "Investigation of the Possibility of Removing Color Impurities from Feldspar Ore Using Single Step Flotation Application and Development of Alternative Flotation Chemicals and New Process", İTÜ Teknokent
2. "Investigation of Production Opportunities of Concentrated and By-Products of Selectable Concentrate and By-Products from Gaziantep Region Bauxite Ores Using Different Mineral Processing Technologies and Creating the Most Appropriate Process Flow Chart", İTU Revolving Fund Project
3. "Technological research project for the use of anhydrous calcium sulfate produced with a high-tech calcination line in water-based paints, Toro Gips S.L, İTU Faculty of Mining Economic Enterprises Arı Teknokent Project,
4. "Investigation of Chromite Recovery with Physical Methods from Kazakh Chromium Plant Residues and Chromium Ores and Development of a New Process", İTU Faculty of Mining Economic Enterprises Arı Teknokent Project
5. "Enrichment possibilities of South African Republic chromite ore & investigation of distribution characteristics of PGM metals", İTU Revolving Fund Project