

**itü**



## ***PROJECTS IN 2012***

## Completed Research Projects

1. "Modification and Simultaneous Purification of Raw Bentonites in Organobentonite Production Processes, Tübitak 1001
2. "Recovery of Copper from Used Electric Cables (ITU-BAP Project)"
3. "Production and Characterization of Water-Based Road Marking Paint from Domestic Raw Materials to Meet the Needs of Istanbul", ITU-Istanbul Metropolitan Municipality
4. "Muratdere Profiri Copper Ore Flotation Studies", ITU Faculty of Mining Technopolis Project
5. "Investigation of the Use of Fiber Structured Sepiolite Fibers in Sensor Technology", TÜBİTAK 1002

## Ongoing Research Projects

1. "Dry Enrichment of Turkish Coals", TÜBİTAK 1007 KAMAG, ITU / TKİ Joint Project, 2010-2013
2. "Investigation of Industrial Usability of Silica Sand to be Obtained from Alacaağzı and Kirenlik Sandstones and Development of Prototype Process Manufacturing" TÜBİTAK-TEYDEP Project, No: 2130623
3. "Development of Rheological Additives", (00832STZ.2011-1), ITU / Kalekim Joint project, San-Tez
4. "Production of Aluminum Sulfate Containing 18% Aluminum Oxide (Al<sub>2</sub>O<sub>3</sub>)", 1501-Industry R&D Project (3100599), TÜBİTAK-TEYDEB Project, MAKİTEG, Dostel Alüminyum Sulfate Sanayii A.Ş.
5. "Improving the Usability of Boron as Filler and Additive in Exterior Paints", (BOREN-2011-Ç0282), Boren project
6. "Substitution of TiO<sub>2</sub> Used in Water Based Paints with Precipitated Calcium Carbonate (PCC)", ITU BAP
7. "Development of Sepiolite Fibers with Antimicrobial Fiber Structures" İ.T.Ü. Scientific Research and Development Support Program Projects
8. "The Effect of Various Additives on Powder Injection Molding Method in Ceramic Production" BAP project
9. "Enrichment and Dewatering of Slam Coals (-0.5 mm) Produced in TKİ Lavvars", İ.T.Ü. BAP Project

## Completed Research Projects

1. "Investigation of the Washability of BLI Keles and Deaf Sector Coals", TKİ
2. "Establishment of TKİ Coal Gasification Pilot Plant", Neşet ACARKAN, Gündüz ATEŞOK, Ali Ayhan SİRKEÇİ Coal Gasification Pilot Plant Establishment"
3. "Investigation of Orhaneli Chrome Enrichment Plant Residues with Flotation Enrichment Opportunities", Şetat Madencilik Tic. A.Ş., İ.T.Ü Maden Fak. Foundation Project
4. "Investigation of the Enrichment Opportunities of Albanian Chrome Ores", On behalf of Asrometal, Dormitory Development Foundation Project
5. "Improvement of Dew Coal Coals Under 0.5 mm of Hema Kandilli, Dewatering and Creation of Process Flow Chart", İ.T.Ü. Circulating capital
6. "Technological Research Project for the Production of Foundry Sand of Zonguldak Alacağzı and Kirenlik Kumtaş", İ.T.Ü. Circulating capital
7. "Determination of Optimum Flotation Properties of Sulfide Copper Ores of Muratdere", On behalf of Pragma Corporate Financing, İTÜ Mining Faculty Foundation Economic Enterprise-İTÜ-Arı Technopolis Project
8. "Possibilities of Using PCC Mineral in a Typical Water Based Paint Recipe and Substitution Possibilities with Minerals such as TiO<sub>2</sub>, Calcite and Calcined Kaolin", Adaçal Endüstri Mineraller Sanayi ve Ticaret A.Ş.
9. "Investigation of Enrichment Opportunities of Chrome Ore" On behalf of Delor Mining, İTÜ Mining Faculty Foundation Economic Enterprise-İTÜ-Arı Technopolis Project
10. "Determination of the Grinding Size and Optimum Flotation Conditions of Çanakkale Region-Çataltepe Complex Sulfur Ore", On behalf of Çanakkale Mining, İTÜ Faculty of Mining Foundation Economic Enterprise-İTÜ-Arı Technopolis Project
11. Technological study on "ERSEL- Chromium Ore Grinding Job Index and Determination of Liberalization Level". İTÜ Circulating capital
12. "Pakistan Oxidized Copper Sample Leaching Experiments"

## Ongoing Research Projects

1. "Physical Characterization of Garbage Ore from Anagold Madencilik A.Ş.", Anagold Madencilik A.Ş.