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Kişisel Bilgiler

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Eğitim Bilgileri

Post Doktora, Süleyman Demirel Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Türkiye 2015 - 2016
Yüksek Lisans, Rawenshaw University, Life Sciences, Biotechnology, Hindistan 2009 - 2010

Yaptığı Tezler

Doktora, Biotechnological application of some selected microorganisms for extraction of copper from low grade ore, University of Delhi, Life Science , Biotechnology, 2015

Araştırma Alanları

Maden Mühendisliği ve Teknolojisi , Cevher Hazırlama, Kimyasal-Biyolojik Kazanma Teknikleri ve Cevher Hazırlama , Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Süleyman Demirel Üniversitesi, Engineering Faculty, Mineral Processing Division, 2018 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Biotechnological trends and market impact on the recovery of rare earth elements from bauxite residue (red mud) - A review**
PANDA S., Costa R. B. , Shah S. S. , MISHRA S., Bevilaqua D., Akcil A.
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- II. **Catalytic Effect of Graphite Promoting Zn Dissolution from Sphalerite using a Leptospirillum ferrooxidans Dominated Mixed Culture**
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- III. **Hydrometallurgical recycling strategies for recovery of rare earth elements from consumer electronic scraps: a review**
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- IV. **A novel approach based on solvent displacement crystallisation for iron removal and copper recovery from solutions of semi-pilot scale bioleaching of WPCBs**

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- V. **Securing supplies of technology critical metals: Resource recycling and waste management**
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- VI. **Techno-economic Analysis of Boric Acid Production from Colemanite Mineral and Sulfuric Acid**
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- VII. **Preface**
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- VIII. **COVID-19 disruptions to tech-metals supply are a wake-up call Comment**
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- IX. **Microalgal potential for nutrient-energy-wastewater nexus: Innovations, current trends and future directions**
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- X. **Intensified acidophilic bioleaching of multi-metals from waste printed circuit boards (WPCBs) of spent mobile phones**
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- XI. **Acidophilic biodesulphurization of calcined pet coke and coal samples in iron and iron-free leaching media**
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- XIII. **A Comparative Assessment on the Effect of Different Supplemental Iron Sources on the Bio-dissolution of Zn, Pb, Cd, and As from a High-grade Zn-Pb Ore**
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- XX. **Laboratory and Semipilot Bioreactor Feasibility Tests for Desulphurization of Turkish Lignite using Leptospirillum ferriphilum**
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- XXII. **Recent advances in indium metallurgy: A review**
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- XXV. **Biodegradation of dibenzothiophene and its application in the production of clean coal**
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- XXVI. **Reactor and column leaching studies for extraction of copper from two low grade resources: A comparative study**
Panda S., Mishra G., Sarangi C. K. , Sanjay K., Subbaiah T., Das S. K. , Sarangi K., Ghosh M. K. , Pradhan N., Mishra B. K.
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- XXVII. **Current scenario of chalcopyrite bioleaching: A review on the recent advances to its heap-leach technology**
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- XXVIII. **Sequential bioreduction-bioleaching and bioreduction-chemical leaching hybrid tests for enhanced copper recovery from a concentrator ball mill reject sample**
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- XXIX. **Enhanced recovery of nickel from chromite overburden (COB) using dissimilatory Fe (III) reducers: A novel Bio-Reduction Acid Leaching (BRAL) approach**
Esther J., Panda S., Sukla L. B. , Pradhan N., Sarangi C. K. , Subbaiah T.
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- XXX. **Extraction of copper from copper slag: Mineralogical insights, physical beneficiation and bioleaching studies**
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- XXXI. **Reductive dissolution by waste newspaper for enhanced meso-acidophilic bioleaching of copper from low grade chalcopyrite: A new concept of biohydrometallurgy**
PANDA S, BISWAL A, MISHRA S, PANDA P. K. , PRADHAN N., MOHAPATRA U, SUKLA L. B. , MISHRA B. K. , Akcil A. U.
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- XXXII. **Microbe-Mineral Interactions: Exploring Avenues Towards Development of a Sustainable Microbial Technology for Coal Beneficiation**
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- XXXIII. **Fe (III) reduction strategies of dissimilatory iron reducing bacteria**
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KOREAN JOURNAL OF CHEMICAL ENGINEERING, cilt.32, sa.1, ss.1-14, 2015 (SCI İndekslerine Giren Dergi)
- XXXIV. **Environmental Microbial Biotechnology Preface**
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- XXXV. **BBProF: An Asynchronous Application Server for Rapid Identification of Proteins Associated with Bacterial Bioleaching**
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- XL. **Insights into heap bioleaching of low grade chalcopyrite ores - A pilot scale study**
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- XLII. **Extraction of copper from bacterial leach liquor of a low grade chalcopyrite test heap using LIX 984N-C**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Bioremediation of acidic mine effluents and the role of sulfidogenic biosystems: a mini-review**
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EURO-MEDITERRANEAN JOURNAL FOR ENVIRONMENTAL INTEGRATION, cilt.1, sa.1, 2016 (ESCI İndekslerine Giren Dergi)
- II. **Evaluation of microbial population and attachment study during bio-heap leaching at Malanjkhanda copper project**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **BIODESULPHURIZATION ABILITIES OF ACIDOPHILIC STRAIN TOWARDS SULPHUR REMOVAL FROM TURKISH LIGNITE IN THE PRESENCE OF CHEMICAL SURFACTANT**
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- II. **Bio-dissolution of Arsenic from Industrial Pyritic Ash Waste**
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Atıflar

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