

## Prof. HALDUN KURAMA

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Dr), Turkey 1988 - 1994

Postgraduate, Anadolu University, Institute Of Science, Cevher Hazırlama (YI) (Tezli), Turkey 1985 - 1988

Undergraduate, Anadolu University, Faculty Of Engineering-Architecture, Department Of Mining Engineering, Turkey 1981 - 1985

### Certificates, Courses and Trainings

Environment and Sustainability, Environment and Economics, Forgea International, 2005

### Dissertations

Doctorate, Doğal zeolit ile atık sulardan ağır metal iyonlarının uzaklaştırılması, Eskisehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Maden Mühendisliği (Dr), 1994

Postgraduate, Şemikan Fosfatlarının Flotasyon Tekniği ile Zenginleştirilmesi, Anadolu University, Fen Bilimleri Enstitüsü, Cevher Hazırlama (YI) (Tezli), 1988

### Research Areas

Refining and Purification, Flotation and Flocculation, Chemical-Biological Winning Techniques and Mineral Processing

### Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2008 - Continues

Associate Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 2003 - 2008

Assistant Professor, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 1994 - 2003

Research Assistant, Eskisehir Osmangazi University, MÜHENDİSLİK-MİMARLIK FAKÜLTESİ, MADEN MÜHENDİSLİĞİ BÖLÜMÜ, 1986 - 1994

## Advising Theses

- KURAMA H., Kazan Trona Solüsyon Madencilğinde Üretim Atıklarının Değerlendirilmesi, Postgraduate, B.YILDIRIM(Student), 2020
- KURAMA H., Tekstil Atık Sularının Arıtımı İçin Düşük Maliyetli Adsorbent Üretimi, Postgraduate, E.AYDINBAKAR(Student), 2020
- KURAMA H., Mekanik alaşımlama yöntemiyle süperiletken magnezyum diborür (MgB<sub>2</sub>) üretimi, Doctorate, S.ERKUŞ(Student), 2019
- KURAMA H., Atık elektro filtre manyezit tozlarının çözünme davranışının optimizasyonu ve geri kullanılabilirliğinin belirlenmesi, Postgraduate, G.AYVAZOĞLUYÜKSEL(Student), 2011
- KURAMA H., Tunçbilek Termik Santrali atık taban curufunun çimento sanayiinde kullanılabilirliğinin araştırılması, Postgraduate, M.KAYA(Student), 2005
- KURAMA H., Tunçbilek Termik Santrali atık uçucu külünün endüstriyel kullanım olanakları, Postgraduate, C.BİLGİÇ(Student), 1999
- KURAMA H., Etibank 100. Yıl Gümüş Zenginleştirme Tesisi'nde liç tanklarına geri beslenen suyu arıtılması, Postgraduate, T.ÇATALSARIK(Student), 1998
- KURAMA H., Atıksulardan amonyum iyonlarının uzaklaştırılması, Postgraduate, M.ERBEK(Student), 1997

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ultrasonic treatment and its applicability for the selective treatment of borax clayey waste sludge**  
GÜRSOY Y. H., KURAMA H.  
Physicochemical Problems of Mineral Processing, vol.57, no.5, pp.80-90, 2021 (SCI-Expanded)
- II. **The effect of process control agent usage on the structural properties of MgB<sub>2</sub> synthesized by high energy ball mill**  
KURAMA H., Erkus S., GAŞAN H.  
CERAMICS INTERNATIONAL, vol.43, 2017 (SCI-Expanded)
- III. **Effect of process variables on the synthesis of MgB<sub>2</sub> by high energy ball mill**  
KURAMA H., Erkus S., GAŞAN H.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.53, no.2, pp.969-982, 2017 (SCI-Expanded)
- IV. **Fire Retardant Efficiency of Waste Magnesia Powder in Cellulose Insulation**  
KURAMA H.  
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.52, no.2, pp.143-149, 2016 (SCI-Expanded)
- V. **MAGNESIUM HYDROXIDE RECOVERY FROM MAGNESIA WASTE BY CALCINATIONS AND HYDRATION PROCESSES**  
KURAMA H., HOŞGÜN H. L.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.51, no.1, pp.233-245, 2015 (SCI-Expanded)
- VI. **Fine particle removal from natural stone processing effluent by flocculation**  
Tasdemir T., KURAMA H.  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.32, no.2, pp.317-324, 2013 (SCI-Expanded)
- VII. **THE EFFECT OF ZETA POTENTIAL ON THE SEDIMENTATION BEHAVIOR OF NATURAL STONE PROCESSING EFFLUENT**  
KURAMA H., KARAGÜZEL C.  
PHYSICOCHEMICAL PROBLEMS OF MINERAL PROCESSING, vol.49, no.2, pp.575-586, 2013 (SCI-Expanded)
- VIII. **Dissolution Kinetics of Magnesite Waste in HCl Solution**  
Hosgun H. L., KURAMA H.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.51, no.3, pp.1087-1092, 2012 (SCI-Expanded)
- IX. **Utilization of natural zeolite in aerated concrete production**  
KARAKURT C., KURAMA H., TOPÇU İ. B.  
CEMENT & CONCRETE COMPOSITES, vol.32, no.1, pp.1-8, 2010 (SCI-Expanded)
- X. **Usage of coal combustion bottom ash in concrete mixture**

KURAMA H., Kaya M.

CONSTRUCTION AND BUILDING MATERIALS, vol.22, no.9, pp.1922-1928, 2008 (SCI-Expanded)

XI. **Use of Tunçbilek Thermal Power Plant s Fly Ash in Stoneware Glazes as a Colouring Agent**

KARASU B., KAYA G., AY A., KURAMA H.

Key Engineering Materials, vol.264268, pp.2501-2504, 2004 (SCI-Expanded)

## Articles Published in Other Journals

I. **RECOVERY OF FINE COAL GRAINS FROM POST-MINING WASTES WITH USE OF AUTOGENOUS SUSPENDING BED TECHNOLOGY**

Kowol D., KURAMA H.

MANAGEMENT SYSTEMS IN PRODUCTION ENGINEERING, vol.28, no.4, pp.220-227, 2020 (ESCI)

II. **Nitrür Esaslı Malzemelerin Yüksek Enerjili Öğütme ile Düşük Maliyetli Üretimi**

KURAMA S., KURAMA H.

Nevşehir Bilim ve Teknoloji Dergisi, pp.79-85, 2020 (Peer-Reviewed Journal)

III. **Recovery of fine coal grains from post-mining wastes with use of autogenous suspending bed technology**

Kowold D., KURAMA H.

Management Systems In Production Engineering, vol.28, no.4, pp.220-227, 2020 (ESCI)

IV. **Sustainable Use of Natural Sources Recycling**

KURAMA H., HOŞGÜN H. L.

Materials, Methods & Technologies, vol.4, pp.3-9, 2010 (Peer-Reviewed Journal)

V. **Gazbeton üretiminde taban külünün kullanımı**

TOPÇU İ. B., KURAMA H., KARAKURT C.

Çimento ve Beton Dünyası, vol.12, no.68, pp.56-65, 2007 (Peer-Reviewed Journal)

VI. **Zeolitin Triticum sativum (Buğday) ve Cucumis sativus (Salatalık)'un Çimlenme, Bitki Büyüme ve Gelişmesi Üzerine Etkileri**

Kurama H., Ataşlar E., Potoğlu Erkara İ., Birgi F.

Ekoloji, vol.8, no.32, pp.21-27, 1999 (Peer-Reviewed Journal)

## Books & Book Chapters

I. **Zinc Extraction; In Brief Review from Past to Present**

KURAMA H.

in: Recycling Technologies for Secondary Zn-Pb Resources, Muammer Kaya, Editor, Springer International Publishing, pp.1-478, 2022

II. **4. Uluslararası Bor Sempozyumu**

KONUK A., KURAMA H., AK H., İPHAR M.

TMMBO Maden Mühendisleri Odası, Eskişehir, 2009

## Refereed Congress / Symposium Publications in Proceedings

I. **Clay/Nanocomposite Hydrogels: In Review**

KURAMA H., BÜTÜN ŞENGEL S.

17 th International Mineral Processing Symposium, İstanbul, Turkey, 15 - 17 December 2022, vol.1, pp.163-172

II. **How the Exfoliation Effects the Properties of Clay /Graphene Oxide Polymer Composite Hydrogels in Use for Environmental Remediation**

İŞİK M., BÜTÜN ŞENGEL S., KURAMA H.

4th Euro-Mediterranean Conference for Environmental Integration (EMCEI-2022), Tunisia, 01 November 2022

- III. **NANOCOMPOSITE HYDROGELS AND ITS APPLICATION FOR ENVIRONMENTAL REMEDIATION**  
KURAMA H.  
6th International Conference "Nanotechnology, Georgia, 04 October 2021, vol.1, pp.74
- IV. **The Effects of Exfoliation on the Clay / Polymer Nanocomposites Hydrogel Structure**  
Yıldız E., KURAMA H.  
European Metallurgical Conference EMC 2021, Germany, 27 June 2021, vol.1, pp.389-406
- V. **Cost Effective Production of Nitride Based Materials by High Energy Ball Milling**  
KURAMA S., KURAMA H.  
4th International Conference on Material Science and Technology, Ankara, Turkey, 18 - 20 October 2019, pp.102-107
- VI. **Cost Effective Production of Nitride Based Materials by High Energy Ball Milling**  
KURAMA S., KURAMA H.  
. International Conference on Material Science and Technology, Turkey, 18 - 20 October 2019
- VII. **High Energy Ball Milling and Its Application for Mikro/Nano powder Production**  
KURAMA H.  
XVIII. Balkan Mineral Processing Congress, 23 - 27 May 2019
- VIII. **Effect of Surface Properties of Particles on Electrophoretic Deposition**  
Okumuş Y., Gunkaya G., KURAMA H.  
16th International Mineral Processing Symposium, 23 - 25 October 2018
- IX. **Production of Nano Size Nitride Based Powders with Help of Surfactants**  
KURAMA S., KURAMA H.  
3. International Material Science and Technology, 17 - 19 September 2018
- X. **Production of nano size nitride based powders with help of surfactants**  
KURAMA S., KURAMA H.  
3rd International Conference on Materials Science and Technology in Cappadocia (IMSTEC18), 17 - 19 September 2018
- XI. **Investigation of medium effect in high energy ball milling for nitride based powders systems**  
KURAMA S., KURAMA H.  
The 2018 World Congress on Advances in Civil, Environmental Materials Research The 2018 Structures Congress, 28 - 31 August 2018
- XII. **Effects of Process Parameters on the Electrophoretic deposition of B<sub>4</sub>C Particulates on Nickel Substrate**  
Günkaya G., KURAMA H.  
European Metallurgical Conference, 25 - 28 June 2017, vol.1, pp.429-439
- XIII. **The Effect of Process Control Agent PCA Usage on the Structural Properties of MgB<sub>2</sub> Syntheses by High Energy Ball Mill**  
KURAMA H., Erkuş S., GAŞAN H.  
The 10th Asian Meeting of Electroceramics, 4 - 07 December 2016
- XIV. **The Effect of Process Control Agent PCA Usage on the Structural Properties of MgB<sub>2</sub> Syntheses by High Energy Ball Mill**  
KURAMA H., ERKUŞ S., GAŞAN H.  
The 10. Asian Meeting on Electroceramics, 4 - 07 December 2016
- XV. **Mechanical Alloying and Processing of Nanomaterials by High Energy Mechanical Milling**  
KURAMA H.  
4. International Conference "Nanotechnologies", 24 - 27 October 2016
- XVI. **Beneficiation of Low Grade Phosphate Ore by Flotation**  
KURAMA H., BOZKURT R.  
15. International Mineral Processing Symposium, 19 - 21 October 2016, vol.1, pp.595-607
- XVII. **Effect of process variables on synthesis of MgB<sub>2</sub> by a high energy ball mill**  
KURAMA H., Erkuş S., GAŞAN H.

- Mineral Engineering Conference (MEC), Swieradow Zdroj, Poland, 25 - 28 September 2016, vol.8
- XVIII. **Kinetics of Thermal Decomposition and Hydration of Magnesia Waste**  
KURAMA H., HOŞGÜN H. L.  
European Metallurgical Conference, EMC 2015, Düsseldorf, Germany, 14 - 17 June 2015, vol.1, pp.407-420
- XIX. **Recent Advance in Electrophoretic Deposition for Nanotechnological Application**  
GÜNKAYA G., KURAMA H.  
3rd International Conference "Nanotechnologies, Tbilisi, Georgia, 20 - 24 October 2014
- XX. **Magnesiumhydroxide Recovery from Magnesia Waste by Calcinations and Hydration Processes**  
KURAMA H., HOŞGÜN H. L.  
Mineral Engineering Conference MEC2014, Istebna, Poland, 15 - 18 September 2014
- XXI. **Magnesium Hydroxide Recovery from Magnesia Waste by Leaching and Precipitation Process**  
KURAMA H., AYVAZOĞLUYÜKSEL G., HOŞGÜN H. L.  
European Metallurgical Conference, EMC 2013, Weimar, Germany, 23 - 26 June 2013, vol.3, pp.1173-1185
- XXII. **The Optimization of Dissolution Behavior of Electrofilter Magnesite Dust A Factorial Design Analysis**  
AYVAZOĞLUYÜKSEL G., KURAMA H., HOŞGÜN H. L.  
European Metallurgical Conference, EMC 2011, Düsseldorf, Germany, 26 - 29 June 2011, vol.4, pp.1507-1518
- XXIII. **The Potential Production and Application of Boron Products in Turkey**  
KURAMA H.  
The 4th of the Lioning International Magnesite Materials Exposition, CLIMME, Forum on Development of Boron Industry, Shenyang, China, 20 September 2010, pp.55-72
- XXIV. **The Effect of Chemical Composition on the Dissolution Behavior of Electro filter Magnesite Dust**  
HOŞGÜN H. L., KURAMA H.  
European Metallurgical Conference, EMC 2009, 28 June - 01 July 2009, vol.1, pp.81-93
- XXV. **Removal of Ammonium Ion from Tap Water by Flotation**  
KURAMA H., TANER M., KARAGÜZEL C., ÜGÜR D., ÇELİK M. S.  
11th International Mineral Processing Symposium, Antalya, Turkey, 21 - 23 October 2008, pp.1097-1105
- XXVI. **Usability of the Turkish Coal Bottom Ash and Natural Zeolite in Concrete**  
KURAMA H., KARAKURT C., TOPÇU İ. B.  
Global Symposium on Recycling Waste Treatment and Clean Technology, REWAS' 08, Cancun, Mexico, 12 - 15 October 2008, pp.1151-1156
- XXVII. **Usability of the Turkish Coal Bottom Ash and Natural Zeolite in Concrete Applications**  
Kurama H., Karakurt C., Topçu İ. B.  
REWAS 2008, Global Symposium on Recycling, Waste Treatment and Clean Technology, Cancun, Mexico, 12 - 15 October 2008, pp.1151-1156
- XXVIII. **Environmental Utilization of Flotation in Waste Stream Treatment**  
KURAMA H., TANER M., KARAGÜZEL C., ÇELİK M. S.  
SECOTOX Conference and the International Conference on Environmental Management Engineering, Planning and Economics, Greece, 24 - 28 June 2007, vol.2, pp.1461-1466
- XXIX. **Utilization of thermal power plant bottom ash in lightweight concrete Production**  
KARAKURT C., KURAMA H., TOPÇU İ. B.  
10th Conference of European Ceramic Society, Berlin, Germany, 17 - 21 June 2007
- XXX. **Recycle and Recovery of Metals from Secondary Sources**  
KURAMA H.  
European Metallurgical Conference, EMC 2007, Düsseldorf, Germany, 11 - 14 June 2007, vol.2, pp.701-718
- XXXI. **Dissolution Kinetics of Electro filter Magnesite Dust Waste**  
HOŞGÜN H. L., KURAMA H.  
XXIII International Mineral processing Congress, İstanbul, Turkey, 3 - 08 September 2006, vol.2, pp.1430-1434
- XXXII. **Applications of Flotation Technique in Waste Treatment and Recycling**  
KURAMA H.  
European Metallurgical Conference, EMC 2005, Dresden, Germany, 18 - 21 September 2005, vol.1, pp.387-403
- XXXIII. **The synthesis of Na P Zeolite from Lignite Coal Fly Ash and NH<sub>4</sub> Ion Exchange Equilibrium**

- KURAMA H.  
Global Symposium on Recycling Waste Treatment and Clean Technology, REWAS' 04, Madrid, Spain, 26 - 29 September 2004, pp.1319-1329
- XXXIV. **The effect of Chemical treatment on the Production of Active Silica from Rice Husk**  
KURAMA H., KURAMA S.  
18Th. International Mining Congress & Exhibition, Antalya, Turkey, 10 - 13 June 2003, vol.1, pp.433-437
- XXXV. **Microwave Application in the size Reduction of Naturally Occurring Zeolites**  
KURAMA H., BOZKURT M. M. V.  
9th International Mineral Processing Symposium, Nevşehir, Turkey, 18 - 20 September 2002, pp.44-49
- XXXVI. **Utilisation of Coal Combustion Fly Ash In Traditional Ceramic Applications**  
KURAMA H., KARA A.  
TMS Fall 2002 Extraction and Processing division Meeting on Recycling and waste treatment in mineral and Metal Processing, Luleo, Sweden, 16 - 20 June 2002, vol.1, pp.341-351
- XXXVII. **The Role of Flotation in Waste Recycling Recovery**  
KAYA M., KURAMA H.  
VIII Balkan Mineral Processing Conference, Belgrade, Serbia, 13 - 18 September 1999, vol.2, pp.729-737
- XXXVIII. **The Recovery of Zinc and Cyanide from Recycled Water by Using Acidification-Filtration-Reneutralization (AFR) Process**  
TAŞDEMİR T., KURAMA H.  
7th International Mineral Processing Symposium, 15 - 17 September 1998, pp.843-847
- XXXIX. **Comparison of Air Pollution Problem in Two Cities of Turkey**  
KURAMA H., KAYA M.  
2nd International Symposium on Energy, Environment & Economics, Kazan, Russia, 7 - 10 September 1998, vol.2, pp.273-278
- XL. **Decomposition of Metal Cyanide Complexes and Metal Recovery By using Acidification Filtration Reneutralization AFR Processes**  
TUBA Ç., KURAMA H.  
VII. International Mineral Processing Symposium, İstanbul, Turkey, 3 - 08 September 1998, vol.843
- XLI. **Turkish Zeolite Uses as an Ion Exchanger**  
KURAMA H., KAYA M.  
6th Balkan Conference on Mineral Processing, 15 September 1996, pp.479-485
- XLII. **Comparison of the Cyanide Destruction Methods**  
KAYA M., KURAMA H., ÖZ AKSOY D.  
The First International Symposium on Mine Environmental Engineering, Kütahya, Turkey, 29 - 31 July 1996
- XLIII. **Comparison of Current Cyanide Distraction Methods**  
KAYA M., KURAMA H., ÖZ D.  
First International Symposium on Mine Environment Engineering, Kütahya, Turkey, 29 - 31 July 1996, vol.1, pp.275-283
- XLIV. **Pelletization of Natural Zeolites**  
KURAMA H., KAYA M.  
Development of Metallurgy in Balkan at The Beginning of the XXI st Century, Varna, Bulgaria, 28 - 30 May 1996
- XLV. **Heavy Metals Removal by Using Turkish Clinoptilolite Pb Cu Cd Hg Na equilibrium and kinetics**  
KURAMA H., KAYA M.  
Min. Chem.95 The Fifth Symposium on Mining Chemistry, 7 - 10 November 1995, vol.1, pp.101-111
- XLVI. **Removal of Heavy Metals From Wastewater with Bigadic Clinoptilolite**  
KURAMA H., KAYA M.  
Treatment and Minimization of Heavy Metal-Containing Wastes,, TMS, Pennsylvania ., Las Vegas, 06 February 1995

## Supported Projects

Bütün Şengel S., Kurama H., Project Supported by Higher Education Institutions, Çevresel Uygulamalar için Kompozit Hidrojel Üretimi, 2021 - 2023

KURAMA H., Project Supported by Higher Education Institutions, Mekanik Alaşım İlama Yöntemiyle Süperiletken Magnezyum Borür (MgB<sub>2</sub>) Üretimi, 2014 - 2017

## **Metrics**

Publication: 66

Citation (WoS): 303

Citation (Scopus): 362

H-Index (WoS): 6

H-Index (Scopus): 6

## **Non Academic Experience**

Osmangazi Üniversitesi

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Anadolu Üniversitesi