

## Zuhair A. Munir

**Distinguished Professor, Emeritus;** Department of Materials Science and Engineering.  
**Dean, Emeritus;** College of Engineering.  
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### Education:

- Ph.D., Materials Science (Ceramics), University of California, Berkeley, 1963.
- M.S., Materials Science, University of California, Berkeley, 1958.
- B.S. (Honors), Chemical Engineering, University of California, Berkeley, 1956.

### Academic Experience:

- *Distinguished Professor Emeritus*, Department of Materials Science and Engineering, University of California, Davis, 2010-Present.
- *Distinguished Professor*, Department of Chemical Engineering and Materials Science, University of California, Davis, 2003-2010.
- *Dean*, College of Engineering, University of California, Davis, 2000–2002.
- *Associate Dean for Research and Graduate Studies*, College of Engineering, University of California, Davis, 1999–2000.
- *Associate Dean for Graduate Studies*, College of Engineering, University of California, Davis, 1980–1999.
- *Professor of Materials Science*, University of California, Davis, 1972– 2003.
- *Assistant Professor, Associate Professor, Professor*, San Jose State University and the Florida State University, 1962-1972.

### Other Experience: Consulting:

- Magnesita SA (Brazil); Magotteux International (Belgium); Thermal Technology, Inc.; Lawrence Livermore National Laboratory, Alexza Molecular Delivery Corporation; Lawrence Berkeley National Laboratory; Flex Products, Inc.; Adroit Systems, Inc.; Ceracon, Incorporated; IBM (San Jose), Rockwell International; California State Energy Commission.

### Membership in Professional Organizations:

- American Ceramic Society: *Fellow*.
- American Society for Metals: *Fellow; Life Member*.

### Honors, Awards, and Recognition:

- *Author of One of the Top 1% Most Highly Cited Papers* in Materials Science worldwide, SciVerse Scopus Database, (Science-Matrix), 2011-2016
- *Workshop Honoring Professor Zuhair Munir*: Workshop on Field-Assisted Sintering Techniques, Universite de Valenciennes, Maubeuge, France, November 4, 2013.
- *Symposium Honoring Professor Zuhair A. Munir*: Synthesis and Processing of Materials Using Electric Fields/Currents, Pacific Rim Conference on Ceramic and Glass Technology (*Pac Rim 10*), San Diego, CA, June 2-7, 2013.

- **W. David Kingery Award** (2011), The American Ceramic Society. “The Award recognizes distinguished lifelong achievements involving multidisciplinary and global contributions to ceramic technology, science, education and art.”
- **John Jeppson Award and Medal** (2005), The American Ceramic Society. “The Award recognizes distinguished scientific, technical, or engineering achievements in ceramics.”
- **Outstanding Educator in Ceramic Engineering Award**, (2004), The American Ceramic Society. “The award recognizes truly outstanding work and creativity in teaching, in directing student research, or in the general educational process (lectures, publications, etc.) of ceramic educators.”
- **Gold Medal**, Russian Academy of Sciences: for contributions to the science of self-propagating high-temperature synthesis (SHS), October 2007.
- **UC Davis Prize** (2007); “The Prize recognizes a faculty member who has demonstrated extraordinary dedication and achievement in undergraduate teaching and in research/creative activity.”
- **Nano 50 Award**, 2007, “To recognize the top 50 technologies and innovations that have significantly impacted – or are expected to impact – the state of the art in nanotechnology”.
- **Faculty Research Lecturer Award**, Academic Senate, UC Davis (2006); The Award is the highest honor the Academic Senate accords its members. Its purpose is to acknowledge faculty whose work has been transformative to their field.
- **Outstanding Senior Faculty Research Award**, College of Engineering, UC Davis, 2005.
- **Session Dedicated in Honor of Z. A. Munir**, Symposium on Nanostructured Materials and Nanotechnology, XIII International Materials Research Congress, Cancun, Mexico, August 24, 2004.
- **Highly Cited Author in Materials Science**, Institute for Scientific Information (ISI), 2003.
- **Distinguished Advisory Professor**, Inje University, Korea, 2003-2010.
- **Michael Fam Distinguished Visiting Professor**, Nanyang Technological University, Singapore, 2001.
- **Medal of Honor**, International Organization of Self-Propagating High-Temperature Synthesis, 1997.
- **Academician**, World Academy of Ceramics, 1996.
- **Prometheus Award**, National Institute of Materials Science, Tsukuba, Japan (US-Japan Workshop on Combustion Synthesis), 1990.
- **von Humboldt Award for Senior US Scientists** (Germany), 1990.
- **Japan Government Award for Foreign Scientist**, 1990.
- **National Science Foundation (NSF) Creativity in Research Award**, two citations, for research on field effects on phase transformation, 1982 and 1985.

#### Service Activities:

##### A. Editorial (partial list):

- Member of the *Distinguished Advisory Board*, Journal of Materials of Science, 2015-present,
- *Editor*, Journal of Materials Science, 2004-2006.
- *Associate Editor*, Journal of the American Ceramic Society, 1990–2004.
- *Editor-in-Chief* (Founding Editor), Journal of Materials Synthesis and Processing (Kluwer/Plenum Press), 1992–2003.
- *Principal Editor*, Journal of Materials Research, 1995–2002
- *Divisional Editor*, Journal of the Electrochemical Society, 1987–1989

- *Member, Advisory Board*, International Journal of Self-Propagating High-Temperature Synthesis, 1991-present.

**B. Symposia Organized (partial list):**

- *Co-Organizer*, Symposium 1: Novel Processing Technology, the Fifth International Congress on Ceramics (ICC5), Beijing, China; August 2014.
- *Lead Organizer*, the 8<sup>th</sup> International Symposium on Spark Plasma Sintering (SPS), Pac Rim 9, Cairns, Australia; July 2011.
- *Lead Organizer*, the 7<sup>th</sup> International Symposium on Spark Plasma Sintering, Pac Rim 8, Vancouver, Canada, June 2009.
- *Co-Organizer*, Spark Plasma Sintering for Synthesis and Processing of Materials, Pac Rim 7, Shanghai, China, 2007.
- *Lead Organizer*, The 5th International Symposium on Spark Plasma Synthesis and Processing (ISSPSP-5), Pac Rim 6, Maui, Hawaii, September 2005.
- *Co-Organizer*, Symposium on Multi-Functional Energetic Materials, MRS, Fall 2005, Boston, MA.
- *Co-Organizer*, Symposium on Ceramic Synthesis and Processing, Pac Rim 5, Nagoya, Japan, September 29-October 2, 2003.
- *Co-Organizer*, International Symposium on Spark Plasma Sintering (ISSPS 2001), Singapore, 2001.
- *Co-Organizer*, First, Second, Third, Fourth, Fifth, Sixth, and Seventh International Symposium on Advanced Synthesis and Processing of Composites and Advanced Materials, American Ceramic Society, Annual Cocoa Beach Meeting (1995-2001).
- *Co-Organizer*, Symposium on the Reaction Synthesis of Materials I: Modeling and Process Mechanisms, TMS Annual Meeting, New Orleans, LA (1991).
- *Co-Organizer*, International Symposium on Combustion and Plasma Synthesis of High Temperature Materials, American Ceramic Society, San Francisco (1988).
- *Co-Organizer*, Symposia on High Temperature Materials Chemistry, ECS, San Francisco (1983), Las Vegas (1985), Honolulu (1987).

**Publications, Patents, and Volumes Edited:**

- More than 500 publications.
- More than 13,000 Citations.
- h-index = 52.
- Eight proceeding volumes edited.
- 16 US patents and one German patent.