# Yoshikazu Suzuki

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**Education**

B. Eng, in Applied Precise Chemistry, Osaka University, 1993.
M. Eng, in Chemical Process Engineering, Osaka University, 1995
Dr. Eng, in Materials Chemistry, Osaka University, 1998

**Academic Experience**

1998-2001 Research Scientist, National Industrial Research Institute of Nagoya (NIRIN), Ministry of International Trade and Industry, Japan
*- Multifunctional oxide/oxide composites (superplasticity, magnetism, sensing, etc.)*
*- Uniformly porous composites, a part of Synergy Ceramics National Project*

2001-2002 Research Scientist, National Institute of Advanced Industrial Science and Technology (AIST), Japan
*- Uniformly porous composites, a part of Synergy Ceramics National Project*

2003-2011 Assistant Professor, Institute of Advanced Energy, Kyoto University, Japan
*- Oxide-based 1-D nanostructured materials for energy applications (Solar cells etc.)*
*- Uniformly porous composites for environmental applications*

2011-present Associate Professor, Graduate School of Pure and Applied Sciences, University of Tsukuba,
*- Oxide-based 1-D nanostructured materials for energy applications*
*- Uniformly porous composites for environmental applications*

**Visiting Research**

2006-2007 Professeur associé, Center for Energy and Processes, Ecole des Mines de Paris, France
*- Sol-gel science and technology (aerogel-based composite)*
*- Non-equilibrium plasma processing*

2008- Professeur invité, ICPMS-ECPM, l'Université de Strasbourg 1, France
*- Layer-by-Layer processing of 1D nanomaterials*

**Government Experience**

2002-2003 Technical official, Nanotechnology & Materials Strategy Office, Ministry of Economy, Trade and Industry (METI)
*- R&D management of national projects (Nonferrous metal, superconductors etc.)*
*- National Strategy on Nanotechnology & Materials*

**Awards and Honors**

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| 2001 | Award for Progress, The Ceramic Society of Japan |
| 2006 | Robert L. Coble Award, The American Ceramic Society |
| 2013 | 1st place in Optical Microscopy, Ceramographic Exhibit & Competition, The American Ceramic Society |

**Professional Services**

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| 2016-2017 | Deputy Editor in Chief, Ceramics Japan |
| 2017-2018 | Editor in Chief, Ceramics Japan |
| 2018-2019 | Deputy Editor in Chief, Journal of the Ceramic Society of Japan |

**R&D Projects**

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| 1998-2001 | Project Leader of "Evaluation and control of grain boundary, and development of superplasticity," promoted by Science and Technology Agency, Japan. |
| 1999-2000 | Project Leader of "Improvement of functional ceramics via plastic deformation," promoted by Science and Technology Agency, Japan. |
| 1999-2002 | Member of Synergy Ceramics National Project, promoted by Ministry of Economy, Trade and Industry, Japan. |
| 2004-2006 | Project Leader of "Uniformly Porous Composite with 3-D Network Structure," promoted by MEXT, Japan. |
| 2007-2014 | Project Leader of "Uniformly Porous Composite with 3-D Network Structure for New DPF Materials," promoted by MEXT, Japan. |

**Brief biography:**

Associate Professor, Yoshikazu Suzuki received his Ph.D. degree in Materials Chemistry at Osaka University in 1998. Subsequently, he has worked at the National Industrial Research Institute of Nagoya (NIRIN), Japan (to 2001), and at National Institute of Advanced Industrial Science and Technology (AIST), Japan (to 2003). During 2002-2003, he served Headquarter of Ministry of Economy Trade and Industry as a technical official to engage in national project management and in drafting Japan's strategy for nanotechnology and materials. He joined Institute of Advanced Energy, Kyoto University in 2003 as Assistant Professor. During 2006-2007, he worked as a *professeur associé* at Center for Energy and Processes, Ecole des Mines de Paris (at Sophia Antipolis, France). From 2011, he works as an Associate Professor at Graduate School of Pure and Applied Sciences, University of Tsukuba

His recent research concerns are (1) 1-D nanomaterials for energy applications, (2) uniformly porous composites with 3-D network structure, (3) *in-situ* processing for new composite systems, and (4) management of technology (MOT) for ceramics. Suzuki's principal contributions have been in the processing of new porous composites with multifunctions, and low-cost and environmentally-friendly production of $TiO_2$ nanofibers. His research has resulted in Award for Progress, The Ceramic Society of Japan (2001) and Robert L. Coble Award, The American Ceramic Society (2006). Suzuki is author of more than 200 papers, and has 8 patents.
(http://www.ims.tsukuba.ac.jp/~suzuki_lab/publications.html)