

## Speaker Profile



### Contact Details

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**Name:** Dong June AHN

**Title:** Professor

**Institute:**  
Department of Chemical & Biological Engineering  
College of Engineering, Korea University

**Education:**  
1986 Seoul National University, Dept. Chemical Eng. [B.S.]  
1988 Seoul National University, Dept. Chemical Eng. [M.S.]  
1993 Purdue University, School of Chemical Eng. [Ph. D.]

**Experiences:**  
1993-1994 Purdue University, School of Chemical Eng.  
Post-Doc.  
1994-1995 Lawrence Berkeley National Laboratory,  
Center for Advanced Materials  
Research Associate  
1995-Present Korea University  
Department of Chemical & Biological Eng.  
Assistant / Associate / Full Professor

**Fields of Study:**

- Surface Chemistry and Interfacial Engineering
- Supramolecular Materials
- Chemical and Biological Sensors and Chips
- Nanolithography and Patterning
- Biomaterials and Biomimetics

**Selected Publications:**  
"Fluorogenic polydiacetylene supramolecules: Immobilization, micropatterning, and application to label-free chemosensors," with J.-M. Kim, *Accounts of Chemical Research* (Web Release: March 19, 2008).  
"The development of a generic bioanalytical matrix using polydiacetylenes," with S.W. Lee, C.D. Kang, D.H. Yang, J.-M. Kim, S.J. Sim, *Advanced Functional Materials*, 17, 2038-2044 (2007).  
"Patterned color and fluorescent images with polydiacetylene supramolecules embedded in poly(vinyl alcohol) films," with J.-M. Kim, Y.-B. Lee, S.-K. Chae, *Advanced Functional Materials*, 16, 2103-2109 (2006).  
"A polydiacetylene-based fluorescent sensor chip," with J.-M. Kim, Y. B. Lee, D. H. Yang, J.-S. Lee, *Journal of the American Chemical Society*, 127, 17580-17581 (2005).  
"Colorimetric reversibility of polydiacetylene supramolecules having enhanced hydrogen-bonding under thermal and pH stimuli," with E.-H. Chae, G.-S. Lee, H.-Y. Shim, T.-E. Chang, K.-D. Ahn, J.-M. Kim, *Journal of the American Chemical Society*, 125, 8976-8977 (2003).  
"Immobilized polydiacetylene vesicles on solid substrates for use as chemosensors," with J.-M. Kim, E.-K. Ji, S.-M. Woo, H.-W. Lee, *Advanced Materials*, 15, 1118-1121 (2003).

