About the Contributors

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**Shabana Urooj** (M’10) was born in India on August 21, 1976. She received the B.E. (Electrical) and M.Tech. degrees in instrumentation and control from Aligarh Muslim University, Aligarh, India, in 1998 and 2003, respectively, and the Ph.D. degree in bio-medical instrumentation from Jamia Millia Islamia (A Central University), Delhi, India, in 2011. Her current research interests include biomedical and environmental instrumentation, sensors system, computer based instrumentation, development and design of equipment for early diagnosis of life threatening diseases and for work of breathing assessment, medical imaging, biomedical signal acquisition, analysis and processing, neural networks. She has authored and co-authored more than 30 papers published in international journals and conference proceedings. She has nearly three years of industrial and 11 years of teaching experience. Since 2011, she has been a Faculty Member with the Electrical Engineering Department, Gautam Buddha University, Greater Noida, India. She is currently an Associate Member for The American Ceramic Society in 2012. She has been awarded Young Professional Associate Membership Award from American Ceramic Society, U.S.