

Haider Iftikhar
Part-time teacher
School common, SCI
Department of Applied Physics
Email: haider.iftikhar@aalto.fi

Qualifications

Master's of Science (Tech), Science & Bioengineering
10 Aug 2011 → 21 Dec 2016
Award Date: 21 Dec 2016

Bachelors of Engineering, Biomedical Engineering (Bioengineering)
5 Jan 2006 → 16 Dec 2010
Award Date: 1 Dec 2010

A-Levels Science, DA Public School O&A Levels
17 Aug 2003 → 16 Dec 2005
Award Date: 16 Dec 2005

Employment

Doctoral Student , School common, SCI
Aalto University
13 Oct 2017 → present

Teaching Assistant

Part-time teacher
Department of Applied Physics
Aalto University
1 Jan 2024 → present

Project Researcher (Oxygen probe sensor fabrication)

Tampere University of Technology
Tampere, Finland
1 Jun 2017 → 31 Dec 2017

Teaching Assistant (ASE-3056 Design of Microsensors)

Tampere University of Technology
Tampere, Finland
1 Jan 2015 → 1 Jan 2017

Research Assistant (Master's Thesis)

Tampere University of Technology
Tampere, Finland
1 Jan 2014 → 17 Sept 2015

Laboratory Engineer (Biomedical Engineering Department) Bioinstrumentation

NED University of Engineering and Technology
Pakistan
1 Jan 2011 → 31 Jul 2011

Research outputs

Regenerated cellulose properties tailored for optimized triboelectric output and the effect of counter-tribolayers

Dahlström, C., Eivazi, A., Nejström, M., Zhang, R., Pettersson, T., Iftikhar, H., Rojas, O. J., Medronho, B. & Norgren, M.,
Mar 2024, In: Cellulose. 31, 4, p. 2047-2061 15 p.

Covalent immobilization of luminescent oxygen indicators reduces cytotoxicity

Välimäki, H., Hyvärinen, T., Leivo, J., Iftikhar, H., Pekkanen-Mattila, M., Rajan, D. K., Verho, J., Kreutzer, J., Ryyänen, T., Pirhonen, J., Aalto-Setälä, K., Kallio, P., Narkilahti, S. & Lekkala, J., 3 Jun 2020, In: BIOMEDICAL MICRODEVICES. 22, 2, 41.

Printed single-walled carbon-nanotubes-based counter electrodes for dye-sensitized solar cells with copper-based redox mediators

Hashmi, S. G., Sonai, G. G., Iftikhar, H., Lund, P. D. & Nogueira, A. F., Oct 2019, In: Semiconductor Science and Technology. 34, 10, 13 p., 105001.

Progress on electrolytes development in dye-sensitized solar cells

Iftikhar, H., Sonai, G. G., Hashmi, S. G., Nogueira, A. F. & Lund, P. D., 2 Jun 2019, In: Materials. 12, 12, 1998.

Highly Efficient and ITO-Free Flexible Counter Electrodes Employing Novel Copper Based Redox Shuttles in Dye-Sensitized Solar Cells

Iftikhar, H., Gava Sonai, G., Hashmi, S. G., Lund, P. & Nogueira, A. F., 7 Sept 2018, p. 938-947. 10 p.

Transparent Indium Tin Oxide Microelectrode Arrays for Measuring Beating Cardiomyocytes

Iftikhar, H., 7 Dec 2016, Tampere University of Technology. 84 p.

Prizes**Fortum Foundation B2 Scholarship 2017-2018 (Grant # 201700202)**

Iftikhar, Haider (Recipient), 11 Aug 2017

Fortum Foundation B2 Scholarship 2018-2019(Grant # 201800155)

Iftikhar, Haider (Recipient), 14 Aug 2018

Impacts**Master's thesis sighted as "Technological Developments" (2016) by Multi Channel Systems MCS GmbH**

Haider Iftikhar (Participant)