

## Curriculum Vitae

Fatema Alai

College of Technological Studies

Shuwaikh, Jamal Abdunasser Street, Kuwait

fa.alali@paaet.edu.kw

### **Education**

Kuwait University: BS

Buffalo University: MS. PhD.

### **Academic experience**

PAAET: Instructor (MS) 2002-2008, Asssistance Prof 2013-current

### **Non-academic experience**

**Public Authority for Housing: 2000-2002**

### **Certifications**

Click or tap here to enter text/ none if Not Applicable.

### **Current membership**

Click or tap here to enter text/ none if Not Applicable.

### **Honors and awards**

Click or tap here to enter text/ none if Not Applicable.

## Service activities

Click or tap here to enter text/ none if Not Applicable.

## Publications and presentations

### **Photonic and Thermofluidic Analysis of Colloidal Plasmonic Nanorings and Nanotori for Pulsed-Laser Photothermal Applications**

Fatema Alali, Ioannis H. Karampelas, Young Hwa Kim, and Edward P. Furlani

*The Journal of Physical Chemistry C* **2013** *117* (39), 20178-20185

DOI: 10.1021/jp406986

### **Plasmonic Nanoframes for Photothermal Energy Conversion**

Ioannis H. Karampelas, Kai Liu, Fatema Alali, and Edward P. Furlani

*The Journal of Physical Chemistry C* **2016** *120* (13), 7256-7264

DOI: 10.1021/acs.jpcc.5b12743

### **Plasmon-Enhanced Metasurfaces for Controlling Optical Polarization**

Fatema Alali, Young Hwa Kim, Alexander Baev, and Edward P. Furlani

*ACS Photonics* **2014** *1* (6), 507-515

DOI: 10.1021/ph5000192

### **Plasmon-Enhanced Metasurfaces for Controlling Optical Polarization**

Fatema Alali, Natalia M. Litchinitser,

*Optics Communications,*

*Volume 291, 2013, Pages 179-183,*

DOI: 10.1016/j.optcom.2012.10.058.

## Professional development activities

Click or tap here to enter text/ none if Not Applicable..