

# CV

## **Personal information:**

Name: Umaima M. Efurawi  
DOB: 03-09-1973  
Marital Status: married  
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Address:  
Eljamhoria Street  
Tripoli - Libya

## **Education:**

2007-2012                      PhD in physics – Thesis title: The Optical and Electronic Properties of Thiol capped Colloidal PbS QDs – University of Nottingham  
Fall 1995 – Spring 2000    MSc: Physics – University of Alfateh  
Fall 1989 – Fall 1993        BSc: Physics – University of Alfateh

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## **Career History:**

2012 – current                      2012- current                      Lecturer – University of Tripoli  
2001-2006                              Lecturer assistant – Alfateh University- Department of physics  
I was responsible for teaching first and second year courses and lab. demonstrating including third year electronic labs.  
2000-2001                              Graphic designer – National Curricula Centre - Tripoli – Libya  
I was responsible on editing and designing pictures and book covers of physics and computer science of secondary school text books

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## **Computing Skills:**

- **Applications:** Microsoft Office (Word, Excel, Power Point, Outlook), Internet Explorer, Adobe Photoshop7, 8, Gimp2, Corel Draw 10-12, Origin7, NI multisim.
  - **Programming:** a moderate knowledge of mathcad and matlab.
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## **Languages:**

Arabic  
English

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## **Committees and responsibilities:**

Department of Physics study and Examination committee organizer (2013-2016)  
University of Tripoli Sustainability committee member (2017-current)

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## **Contribution to community and public work**

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## **Publications:**

Tailoring the physical properties of thiol-capped PbS quantum dots by thermal annealing , L Turyanska, **U. Elfurawi**, M Li, M W Fay, N R Thomas, S Mann, J H Blokland, P C M Christianen and A Patanè, **2009** Nanotechnology 20 , 315604

Photoluminescence of PbS nanocrystals at high magnetic fields up to 30 T, L. Turyanska, J. H. Blokland, **U. Elfurawi**, O. Makarovsky, P. C. M. Christianen, and A. Patanè, Phys. Rev. B **82**, 193302 (2010) [4 pages]

Imaging the photovoltaic response of PbS-sensitized porous titania, L. Turyanska, O. Makarovsky, **U. Elfurawi**, A. Patanè, M. Fay, J. Bowers, H. Upadhyaya,). physica status solidi (a). 208. 2450 - 2453. 10.1002 (2011)/pssa.201127066.