

**Full Name: Nyha Majeed Hameed**

**Place of Birth: Iraq**

**Date of Birth: 14/04/19 82**

**Nationality: Iraqi**

**Language: Arabic (native)  
English  
French**



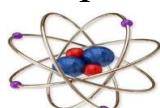
**Place of work: Physics Department, Science Faculty, Muthanna University,  
66001 Samawa, IRAQ.**

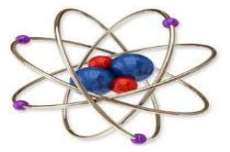
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## **ACADEMIC SCIENTIFIC RANK**

- **Assistant Lecturer at 2007**
- **Lecturer at 2011**



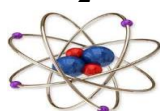


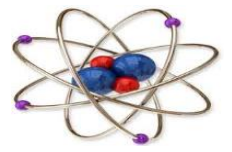
## QUALIFICATION

- **PhD. (Nano Optics), Franch-comté University, FRANCE (2016).**
- **M.Sc. (Molecular Physics), Baghdad University, IRAQ (2007).**
- **B.Sc. (Physics), Kufa University, Al-Najaf, IRAQ (2004).**

## Title of the PhD Thesis

**Numerical methods for optical forces modeling in nano-optics devices: trapping and manipulating nanoparticles**

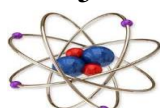


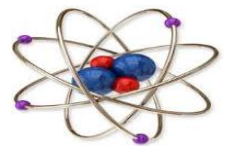


## COURSES TAUGHT

### A- UNDER GRADUATE

No.	Subject	Study Stage	Department
1	Molecular Physics	Forth	Physics
2	Nuclear Physics	Forth	Physics
3	Lab. Computers	Forth	Physics
4	Lab. Nuclear	Forth	Physics
5	Lab. Mechanical	First	Chemistry
6	Lab. Computers	Second	Physics
7	Lab. Computers	First	Physics
8			
9			
10			
11			



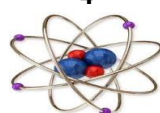


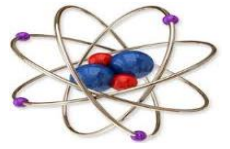
## B- PUBLICATIONS

PAPERS	
1	<b>Nyha M. Hameed</b> , Ali Nouho, Fadi I. Baida " <i>Optical manipulation of nanoparticles by simultaneous electric and magnetic field enhancement within diablo nanoantenna</i> ". Scientific reports submitted, 2017.
2	W. Qui, M.-P. Bernal, A. Nado, C. Guyot, <b>N.M. Hameed</b> , N. Courjal, H. Maillotte and F. I. Baida " <i>Analysis of ultra-compact waveguide modes in thin film lithium niobate</i> ". Appl. Phys. B, <b>118</b> , 261-267, 2015.
3	<b>Nyha M. Hameed</b> , Ali El Eter, Thierry Grosjean, Fadi I. Baida " <i>Stand-Alone Three-Dimensional Optical Tweezers Based on Fibred Bowtie Nanoaperture</i> ". Photonics Journal, IEEE, <b>6</b> , 4500510, 2014.
4	Ali El Eter, <b>Nyha M. Hameed</b> , Fadi I. Baida, Roland Salut, Claudine Filiatre, Dusan Nedeljkovic, Elie Atie, Samuel Bole, and Thierry Grosjean, " <i>Fiber-integrated optical nano-tweezer based on a bowtie-aperture nano-antenna at the apex of a SNOM tip</i> ", Opt. Express, <b>22</b> , 10072-10080 ,2014.
5	
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## C- CONFERENCES

1	<b>Hameed, N. M.</b> ; El Eter, A.; Nouho, A.; Grosjean, T. & Baida, F. I. " <i>Stand-Alone Three-Dimensional Optical Tweezers Based on Fibred Bowtie Nanoaperture Antenna</i> " GDR Ondes, Réunion thématique GT2-GT5. Dijon, 2015
2	<b>Hameed, N. M.</b> ; El Eter, A.; Grosjean, T. & Baida, F. I. " <i>Stand-Alone 3D Optical Nano Tweezers</i> " Journée scientifique "10 ans FEMTO-ST". Besançon, 2015
3	Atie, E.; El Eter, A.; <b>Hameed, N. M.</b> ; Xie, Z.; Salut, R.; Tannous, T.; Grosjean, T. & Baida, F. I. " <i>Bowtie nano-antenna mounted on a fibered tip for different applications: tweezers and remote sensing</i> » 18ème Forum des microscopies à sondes locales, 2015
4	Qiu, W.; Ndao, A.; <b>Hameed, N. M.</b> ; Guyot, C.; Courjal, N.; Maillotte, H.; Baida, F. I. & Bernal, M.-P. " <i>Ultra small cavity in slot Bragg grating structure and its electro-optic application</i> " The 11th International Symposium on Photonic and Electromagnetic Crystal and Structures, PECS XI, 2014, Poster
5	<b>Hameed, N. M.</b> ; El Eter, A.; Baida, F. I. & Grosjean, T. " <i>Fiber-integrated nanotweezer based on a bowtie aperture nano-antenna on a SNOM tip</i> " Séminaire Scientifique Interne FEMTO-ST. Besançon, 2014
6	<b>Hameed, N. M.</b> ; El Eter, A.; Grosjean, T. & Baida, F. I. " <i>Stand-Alone Three-Dimensional Optical Tweezers Based on Fibred Bowtie Nanoaperture Antenna</i> " Congrès Docteurs & Entreprises. Belfort, 2014





7	<b>Hameed, N. M.;</b> El Eter, A.; Grosjean, T. & Baida, F. I. “ <i>Fiber-integrated nanotweezer based on a bowtie aperture nano-antenna on a SNOM tip</i> ” Journées Nationales d'Optique Guidée (JNOG). Nice, 2014
8	<b>Hameed, N. M.;</b> El Eter, A.; Grosjean, T. & Baida, F. I. « <i>Etude théorique et expérimentale du piégeage par une nano antenne à ouverture papillon sur sonde de microscope optique en champ proche</i> » GDR Ondes, Assemblée générale «Interférences d'ondes». Dijon, 2013
9	<b>Hameed, N. M.;</b> El Eter, A.; Grosjean, T. & Baida, F. I. « <i>Etude théorique et expérimentale du piégeage par une nano antenne à ouverture papillon sur sonde de microscope optique en champ proche</i> Journées Nationales d'Optique Guidée (JNOG). Paris, 2013

