

Muna Hajj Yahya

Physics Department

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Information

- Date of birth: March 01, 1986 Nationality Palestinian
- Place of birth: Tulkarem, Palestine
- Marital status
- ResearchGate https://www.researchgate.net/profile/Muna_Hajj_Yahya

Education

- June, 2015: PhD Degree in Electronics, Politecnico di Torino, Turin, Italy. Sept.,
- 2012 M.Sc. Degree in Electronics, Politecnico di Torino, Turin, Italy.
- January, 2008: B.Sc. Degree in Physics, An-Najah National University, Nablus, Palestine.
- July, 2004 Certificate of General Secondary Education Examination / Scientific Stream, Al-Adawiah Secondary Girls School, Tulkarm, Palestine

Academic Experience

July, 2015 – present: Assistant Professor, *Department of Physics, Faculty of Science, An-Najah National University*, Nablus, Palestine.

January, 2012 - May, 2015: Teaching and Research Assistant, *Department of Electronics and Telecommunications, Politecnico di Torino*, Turin, Italy.

July, 2008 - Aug., 2009: Teaching and Research Assistant, *Department of Physics, An-Najah National University*, Nablus, Palestine.

Teaching General Physics Labs (B.Sc. course)

Publications

- Noncovalent functionalization of carbon nanotubes as a scaffold for tissue engineering MohyeddinAssali^{1*}, Naim Kittana^{2*}, SaharAlhaj-Qasem¹, Muna Hajjyahya³, HanoodAbu-Rass², WalhanAlshaer⁴ & RulaAl-Buqain⁴
- Assessment of flexible pristine CdS film electrodes in photoelectrochemical light-to-electricity conversions MajdSbeah^aAhedZyoud^aMaenIshtaiwi^aMunaHajjyahya^aNaoualAl Armouzi^bNaserQamhie^cAbdul RazackHajamohideen^cSamerZyoud^dHamza H.S.Helal^aHebaBsharat^aHebaNassar^aMohammed H.S.Helal^cHikmat S.Hilal^a
- Single Wall Carbon Nanotubes (SWCNTs) as (i) Type in the Photovoltaic Cell of Nano Dimensions . M Ishtaiwi, M Hajjyahya, K Abd-Haqq, M Bashar Journal of Applied Mathematics and Physics 10 (5), 1694-1701
- Electrical Properties of Dead Sea Water .M Ishtaiwi, M Hajjyahya, S Habbash Journal of Applied Mathematics and Physics 9 (12), 3094-3101
- Design of Carbon Nanotube Antenna in Nanoscale Range AS Muna Hajjyahya^{*}, Maen Ishtaiwi^{*}, Jeelan Sayyed Open Journal of Antennas and Propagation 9, 57-6
- Mohammad K.Elsaid, Ayham Shaer, Eshtiaq Hjaz, Muna Hajj Yahya. Impurity effects on the magnetization and magnetic susceptibility of an electron confined in a quantum ring under the presence of an external magnetic field”
- Mohammad K.Elsaid, Ayham Shaer, Eshtiaq Hjaz, Muna Hajj Yahya. ”The effects of Rashba spin-orbit interaction and impurity on the magnetic properties of a semiconductor quantum ring presented in an external magnetic field”
- M. Giorcelli, P. Savi, M. Miscuglio, **M. Hajj Yahya** and A. Tagliaferro, “Analysis of MWCNTS/epoxy composites at microwave frequency: reproducibility investigation”. In: Nanoscale Research Letters, Vol. 9, pp. 1-5, ISSN 1931-7573, April. 2014
- Mauro Giorcellia, Patrizia Savia, Muhammad Yasir, Mario Miscuglio, **Muna Hajj Yahya** and Alberto Tagliaferro, “Investigation of epoxy resin/multiwalled carbon nanotube nanocomposite behavior at low frequency”. In: Journal of Materials Research, 01/2015, pp101-107; 30(01):101-107. DOI: 10.1557/jmr.2014.348

Conferences and events

- M. Hajj Yahya, P. Savi, D. Canone, S. Ferraris. “Time Domain Reflectometry Coaxial Probe for Water Content Measurements of Soil”. In: 4th EGU Leonardo Conference: Hydrology and Society, Torino, Italy, November 14-16, 2012.
- M. Giorcelli, P. Savi, A. Naderi, **M. Hajj Yahya**, A. Tagliaferro. “Wide Band Microwave Characterization of MWCNTS/Epoxy Composites”. In: International Conference on Nano-Materials and Nanotechnology (Nano-M & T 2013), Annaba, Algeria, 17-18 November 2013
- M. Giorcelli, **M. Hajj Yahya**, M. Miscuglio, P. Savi, A. Tagliaferro. “Analysis of Epoxy/Carbon Nanotubes Composites with Different Aspect Ratio at Microwave Frequency”. In: International Conference on Thin Films, Dubrovnik, Croazia, 13-16 October, 2014.
- M. Miscuglio, **M. Hajj Yahya**, P. Savi, M. Giorcelli, A. Tagliaferro. “Characterization of nanocomposites based on MWCNTs for radar absorbing application”. In: XX Riunione Nazionale di Elettromagnetismo (RiNEM), Padova, September 15-18, 2014.
- M. Giorcelli, P. Savi, **M. Hajj Yahya**, A. Tagliaferro. “Comparison of wide band microwave properties of MWCNTs embedded in different polymer matrix: PDMS and Epoxy resi”. In: The twenty-second annual Conference on COMPOSITES/NANO ENGINEERING (ICCE22), Malta, July 13-19, 2014.
- M. Giorcelli, P. Savi, **M. Hajj Yahya**, M. Yasir, A. Tagliaferro. “Electrical

- characterization of MWCNTS/EPOXY composites at low frequency”. In: VII International Conference on Surfaces, Materials and Vacuum, Ensenada, Baja California, Mexico, October 6-10, 2014.
- M. Miscuglio, **M. Hajj Yahya**, P. Savi, M. Giorcelli, A. Tagliaferro. “RF characterization of polymer multi-walled carbon nanotube composites”. In: IEEE International Conference on Antenna measurements & Applications-Focus on Antenna Systems, Antibes Juan-les-Pins, France, November 16-19, 2014.
 - M. Yasir, P. Savi, **M. Hajj Yahya**, M. Giorcelli, A. Tagliaferro. “Wide band characterization of MWCNTs Composites based on epoxy resin”. In: 14th Mediterranean Microwave Symposium, Marrakech, Morocco, December 12-14, 2014.

Activities related to and contribute to increasing the percentage of females in the scientific fields

- Responsible for the arbitration file at the Palestine Science and Technology Fair) isef) (<https://www.societyforscience.org/isef/regeneron-isef-2021/>)
- Participation in a science fair) <https://sci.najah.edu/ar/achievements/science-exhibitions/9th-science-exhibition/>
- Elected member of the Council of the faculty of Science
- Active member in winter school in high energy physics (wishepp) (<http://wishepp2019.lal.in2p3.fr/>)
- Responsible for arbitration student committees at An-Najah University
- Active member in the Organization for Women in Science for the Developing World (OWSD) (<https://owsd.net/member/hajj-yahya-muna>)
- Member in the World Academy of Sciences (TWAS)
- Member in the Palestine Academy for Science and Technology (PALAST)