

Curriculum Vitae

PERSONAL INFORMATION

Mariam Hassan

Address: Area della Ricerca Roma 1, Via Salaria km 29.300,
00015 Monterotondo Italia (Roma)

Tel: 3297687456

Mail: mariamhassan311@gmail.com

Sex **Female** | Date of birth **01/01/1994** | Nationality **Lebanese**

POSITION

PHD student in Università Politecnica delle Marche

STUDIES APPLIED FOR

Industrial Engineering/Materials Engineering

WORK EXPERIENCE

January 2017-July 2017

Internship at the American University of Beirut (AUB)

- Synthesis of $\text{Ge}_{15}\text{Sb}_{85}$ thin films by pulsed laser deposition (PLD).
- Characterization of the thin films using XRD, SEM, FTIR, and electrical measurements.

September 2013-June 2014

Worked in the physics lab for electricity, nuclear and general physics

September 2014-June 2015:

Worked in the physics lab for optics and atomic physics

EDUCATION AND TRAINING

November 2017- Now

PhD in Industrial Engineering-Material Engineering
University Politecnica delle Marche and CNR

October 2015-July 2017

Master Degree in Condensed Matter Physics

GPA 75/100

October 2012-July 2015

Bachelor Degree in Physics

GPA 80/100

PERSONAL SKILLS

Mother Tongue Arabic

Other Languages English written and spoken fluently
 Italian

Additional Information

Scientific Publications:

- **“Characterization of $\text{Ge}_{15}\text{Sb}_{85}$ phase change material grown by pulsed laser deposition”**, Appl. Phys. A (2018), 124: 200.
- **“High low-temperature coercivity in Mn_3O_4 thin films obtained by chemical vapor deposition”**, ACS Appl. Nano Mater. (2019), 2, pp 1704–1712
- **“Co/Pd-based synthetic antiferromagnetic thin films on Au/resist underlayers: towards biomedical applications”**, submitted to journal Small.

Attended Conferences:

Magnet2019 (Jan30-Feb1, Messina)

- Poster contribution: “Structural and magnetic properties of Mn_3O_4 films grown by chemical vapor deposition”

ISMANAM2018 (02 – 06 July 2018, Roma)

- Member of the staff of the conference.
- Poster contribution: “Perpendicular magnetized GMR spin valves with a synthetic antiferromagnetic reference layer on flexible substrates”.

Other Activities:

4th Italian School of Magnetism (20 - 25 May 2018, Torino)

- Poster and oral communication: “Perpendicular magnetized GMR spin valves with a synthetic antiferromagnetic reference layer on flexible substrates”.