

# Dr. Rasha Ghunaim

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## Profile

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Assistant Professor in Chemistry at the department of Applied Chemistry and Biology, college of Applied Sciences at Palestine Polytechnic University (PPU).

## Education

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<b>PhD in Chemistry,</b> <i>Leibniz Institute for Solid State and Materials Research –TU Dresden, Germany</i> Thesis: “Development of Intermetallic filled Carbon nanotube sensors for Hyperthermia applications”	2015 – 2019 Dresden, Germany
<b>M.Sc in Chemistry,</b> <i>University of Jordan</i> Thesis: “Synthesis and Characterization of Some Stable Copper(III) Complexes”	2009 – 2012 Amman, Jordan
<b>B.Sc in Chemistry,</b> <i>Hebron University</i> Graduation Porject: Surface Physical Chemistry	2004 – 2008 Hebron, Palestine

## Professional Experience

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<b>Head of the Department of Applied Chemistry and Biology,</b> <i>Palestine Polytechnic University (PPU)</i>	2023 – present Hebron, Palestine
<b>Assistant Professor,</b> <i>Palestine Polytechnic University - PPU</i> Assistant Professor in Chemistry	2019 – present Hebron, Palestine
<b>Short Research Stay,</b> <i>Forschungszentrum Jülich (FZJ)</i>	07/2022 – 08/2022 Jülich, Germany
<b>Short Research Stay,</b> <i>IFW Dresden</i> Working on cathodes materials for lithium ion batteries (LIBs)	06/2022 – 07/2022 Dresden, Germany
<b>Short Research Stay,</b> <i>IFW Dresden</i>	07/2021 Dresden, Germany
<b>Doctorate Studies,</b> <i>Leibniz Institute for Solid State and Materials Research (IFW)</i>	2015 – 2019 Dresden, Germany
<b>Lecturer,</b> <i>Palestine Polytechnic University - PPU</i>	2012 – 2014 Hebron, Palestine
<b>Chemistry Teacher,</b> <i>Beit-Ula Secondary School for Girls</i>	2008 – 2009 Hebron, Palestine



**Carbon nanotube-assisted synthesis of ferromagnetic Heusler nanoparticles of Fe<sub>3</sub>Ga (Nano-Galfenol),** *Journal of Materials Chemistry*

2018

**Magnetic properties of individual Co<sub>2</sub>FeGa Heusler nanoparticles studied at room temperature by a highly sensitive co-resonant cantilever sensor,** *Scientific Reports*

2017