

PERSONAL INFORMATION

Paytsar Mantashyan




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Sex Female | Date of birth 11/12/1985 | Nationality Armenian | Family status married, 3 children

WORK EXPERIENCE

July 2022 up to now

Head of research group of "Quantum Optics and NanoPhotonics"

The Institute of Chemical Physics of NAS RA, 5/2 P. Sevak str., Yerevan, 0014, RA

September 2022 up to now

Lecturer

Russian-Armenian University, 123 H. Emin str., Yerevan. 0051, RA

2021 up to now

Senior Researcher

Russian-Armenian University, 123 H. Emin str., Yerevan. 0051, RA

2016 up to now

National Contact Point

EC Horizon 2020 and Europe framework program

2014 up to now

Researcher

The Institute for Physical Research of NAS RA, Ashtarak-2, Ashtarak, 0203, RA

2021 - 2022

Scientific Secretary

The Institute for Physical Research of NAS RA, Ashtarak-2, Ashtarak, 0203, RA

EDUCATION

2009 – 2013

Postgraduate Student

The Institute for Physical Research of NAS RA, Ashtarak-2, Ashtarak, 0203, RA

▪ Ph.D. degree (2014), specialization in Laser Physics, Ph.D. thesis: "*New Laser Methods for Induction of Two- and Three-dimensional Photonic Structures in Photorefractive Media*"

2006 - 2008

Master Student

Department of Optics, Faculty of Physics

Yerevan State University, 1 A. Manoukyan, Yerevan, Armenia

2002 - 2006

Bachelor Student

Faculty of Physics

Yerevan State University, 1 A. Manoukyan, Yerevan, Armenia

- Projects**
- 2023-2028 PRINCIPAL INVESTIGATOR
Multifunctional exotic semiconductor quantum dot - liquid crystal composites for quantum technology applications
 Remote laboratory establishment initiated by Science Committee of Armenia
 Budget: 375 000 USD
- 2022-2023 COORDINATOR
Significant Heating of Iron Oxide Nanoparticles via Alternating Magnetic Field
 Faculty Research Funding Program 2021 initiated by PMI Science
 Budget: 25 000 USD
- 2021-2024 WORK PACKAGE LEADER
NanoQIQO: Twinning towards the Russian-Armenian University's scientific excellence and innovation capacity in nanomaterials for quantum information and quantum optics
 WIDESPREAD-05-2020: TWINNING PROGRAM HORIZON 2020 European Framework Program for Research and Innovation
 Budget: 889 000 Euro
- 2016-2017 WORK PACKAGE LEADER
 Project A-2130: *Control of light in structured nonlinear media: Application to all-optical devices*
 ISTC (The International Science and Technology Center)
 Budget: 350 000 USD
- Visited Int. Research centers**
- 2022 – CNR NANOTECH, Lecce, University
 2022 – Department of Material Science, University of Patras, Greece
 2012 - Department of Physics and Astronomy "Galileo Galilei", LiNbO3 group, University of Padova, Padova, Italy
- Honours and awards**
- 2015 – The most promising women-led business award initiated by UNIDO GEF Global Cleantech Armenia National Business Ideas Competition
 2014 – Young scientists' competition award for the achievement of scientific equipment and/or materials initiated by the Young Scientists Support Program
- 2012 – Award from "Tashir" charitable foundation for articles with maximum citations in the international scientific journals
 2011 – First place award by Int. Symposium Optics and its Applications-2011
 2010 – Second place award by International. Conference "Laser Physics-2010"