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"