

CURRICULUM VITAE

Hamed Pejhan, Ph.D.

Postdoctoral Researcher (Established, R3)

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1. Personal Data

- **Name:** Hamed Pejhan
- **Date of Birth:** 21 March 1983
- **Nationality:** Iranian
- **Residence:** Sofia, Bulgaria
- **Personal Email:** h.pejhan@yahoo.com & hamed.pejhan@gmail.com
- **Google Scholar Page:** [Here](#)

2. Work Experience

- **Postdoctoral Researcher (Established, R3):** Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, Sofia, Bulgaria (May 2023- present)
- **Independent Researcher:** Azad University (Science and Research Branch), Tehran, Iran (September 2021- April 2023)
- **Postdoctoral Researcher:** Zhejiang University of Technology, Hangzhou, China (April 2018- August 2021)
- **Postdoctoral Researcher:** Azad University (Science and Research Branch), Tehran, Iran (September 2015- March 2018)

3. Education and Specialization

My research focuses on the application of group-theoretical methods in physics, with a particular emphasis on developing a consistent quantum field theoretical framework for elementary systems in (anti-)de Sitter spacetime.

- **Ph.D. in Mathematical Physics:** Azad University (Science and Research Branch), Tehran, Iran (September 2011- August 2015)
 - **Dissertation Title:** Krein quantization approach to vacuum energy
- **M.Sc. in Mathematical Physics:** Azad University (Science and Research Branch), Tehran, Iran (September 2007- September 2010)
- **B.Sc. in Physics:** Urmia University, Urmia, Iran (September 2003- Jun 2007)

4. List of Publications

Over 20 scientific publications in mathematical physics. For the complete list, see my [Google Scholar Profile](#). Notably, this includes a comprehensive and pedagogical book:

- *The de Sitter (dS) group and its representations: an introduction to elementary systems and modeling the dark energy universe*
 Mohammad Enayati, Jean-Pierre Gazeau, Hamed Pejhan, and Anzhong Wang
Publisher: Springer Nature (2024) — **DOI:** [10.1007/978-3-031-56552-6](https://doi.org/10.1007/978-3-031-56552-6) — **ISSN:** 1938-1743

5. Personal and Organizational Competencies

- **Referee/Reviewer:**
 - International Journal of Modern Physics D
 - International Journal of Theoretical Physics
- **Awards and Honors:**
 - Distinguished Young Researcher Award (Azad University, 2016) in recognition of outstanding scientific contributions
 - Selection into my Ph.D. program under the “Outstanding Talent Category”
- **Language Skills:**
 - **Persian:** Native
 - **English:** Fluent
 - **German:** Beginner

6. References

- **Professor Dr. Ivan Todorov**
 - INRNE, Bulgarian Academy of Sciences, Tsarigradsko Chaussee 72, BG-1784 Sofia, Bulgaria
 - Email: ivbortodorov@gmail.com — Google Scholar Page: [Here](#)
- **Professor Dr. Jean-Pierre Gazeau**
 - Université Paris Cité, CNRS, Astroparticule et Cosmologie, F-75013 Paris, France
 - Email: gazeau@apc.in2p3.fr — Google Scholar Page: [Here](#)
- **Professor Dr. Mariano A. del Olmo**
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- **Professor Dr. Anzhong Wang**
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- **Professor Dr. Kazuharu Bamba**
 - Division of Human Support System, Faculty of Symbiotic Systems Science, Fukushima University, Fukushima 960-1296, Japan
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