

# POUYAN REZVANI'S CURRICULUM VITAE

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**DATE OF BIRTH** 27.06.1986

## **AFFILIATION**

- Post-doctoral researcher at the project “PAL” (Ptolemaeus Arabus et Latinus) hosted by the Bayerische Akademie der Wissenschaften (Bavarian Academy of Sciences and Humanities), Munich, Germany; since 1 April 2019. My main focus in this project is on a medieval Arabic translation of Ptolemy's *Almagest*, made by Ishāq ibn Hunayn revised by Thābit ibn Qurra in the 9<sup>th</sup> century A.D., to make a critical edition of the text based on the available manuscripts. <http://ptolemaeus.badw.de/team/46>.
- Academic member of the History of Science Dept., Encyclopaedia Islamica Foundation, Tehran, Iran; 2013–2018.

## **EDUCATION**

- **Ph.D.: Utrecht University**, Mathematics Institute, GS-Natural Sciences, 2019.  
Dissertation: “Two Treatises on the Astrolabe by Abū Rayḥān Muḥammad ibn Aḥmad Bīrūnī (973–1048 A.D.)”.  
Promotor: Prof. Dr. Jan P. Hogendijk.
- **M.A.: University of Tehran**, Institute for the History of Science, Astronomy in Islamic Civilization, 2011.  
Thesis: “Theoretical Foundations of Sundials in Islamic Civilization with Persian Translation and Commentary on Ibn al-Haytham's *Risāla fī al-Rukhāmāt al-Ufuqīyya* (Treatise on Horizontal Sundials)”.  
Advisor: Dr. Mohammad Bagheri.
- **B.Sc.: University of Arak**, Faculty of Science, Physics, 2009.

## **ADDITIONAL TRAINING**

- Current Research on the History of Mathematics in the Ancient World: New Questions and New Approaches, Research School, Edinburgh, 15–26 July 2024.

## **FELLOWSHIPS**

- Visiting fellow at the Warburg Institute, London, 3–30 March 2024.
- Three-month fellowship at the project “PAL” (Ptolemaeus Arabus et Latinus) hosted by the Bayerische Akademie der Wissenschaften (Munich, Germany), June – August 2018.

## MEMBERSHIPS

- External collaborator of the project Terra-Astronomy (from celestial signs to celestial sciences), Astrophysical Institute and University Observatory, Friedrich Schiller University, Jena, Germany, since 2023.
- Early career representative at the ‘Commission for the History of Ancient and Medieval Astronomy (CHAMA)’, 2021–2025.

## HONORS AND AWARDS

- Selected as one of the five ‘outstanding alumni’ of the Institute for the History of Science in the past seven years, University of Tehran, 2012.

## PUBLICATIONS

### Book

- *Two Treatises on the Astrolabe by Abū Rayḥān Bīrūnī (d. ca.1050), Editions, Translations and Commentary*, Frankfurt am Main: Institute for the History of Arabic-Islamic Science at the Johann Wolfgang Goethe University, 2020, 496 pp. (Islamic Mathematics and Astronomy 115), ISBN 3-8298-4125-2.

### Introduction to Facsimile Edition

- *Three Treatises by Thābit ibn Qurra (Sundials, Solar and Lunar Motions, a Fourteen-Sided Solid Inscribed in a Given Sphere), a Facsimile Edition of the Manuscript*, Persian Introduction by Pouyan Rezvani, Miras-e Maktoob (written heritage) Publications with the Collaboration of Institute for the History of Science (University of Tehran), Tehran, 2014.

### Articles

- “A Hitherto Unknown Arabic Manuscript of Thābit b. Qurra’s Version of the *Almagest*” (jointly with Benno van Dalen, Nadine Löhr and Maurizio Boehm), research note in: *JAOS (Journal of the American Oriental Society)*, vol. 144 no. 3, July-September 2024, pp. 627–632.
- “Du Resāleh dar Usturlāb az Abū Rayḥān Bīrūnī” (Two Treatises on the Astrolabe by Abū al-Rayḥān al-Bīrūnī), *Journal for the History of Science*, University of Tehran, vol. 18, issue 2, Summer and Autumn 2020, pp. 419–446 (Persian).
- “Tarjume-ye Farsi wa Sharḥ-e *Risala fī al-Rukhāmāt al-Ufuqiyya* az Ibn Haytham” (Persian Translation of Ibn al-Haytham’s *Treatise on Horizontal Sundials* with Commentary), *Miras-e Elmi-ye Eslam va Iran*, vol. 5, no. 2, Tehran, 2016-2017, pp. 141–177.
- “Chronology of the Events of the Samarqand ‘Observatory and School Based’ on some Old Persian Texts: a Revision” (jointly with Hamid-Reza Giahhi Yazdi as the first author), *Suhayl (International Journal for the History of Exact and Natural Sciences in Islamic*

Civilisation), vol. 14, Barcelona, 2015, pp. 145–165.

- “Two Early Persian Texts on Shadow Schemes and the Regulation of Prayer Times”, *Suhayl* (International Journal for the History of Exact and Natural Sciences in Islamic Civilisation), vol. 13, Barcelona, 2014, pp. 119–147.

### Reviews

- “A Review on *Islamic Astronomical Tables, a Collection of Papers by Benno van Dalen*”, *Miras-e Elmi-ye Eslam va Iran*, vol. 2, no. 2, Tehran, 2013-2014, pp. 147–149 (Persian).
- “A Review on *SUHAYL* (International Journal for the History of Exact and Natural sciences in Islamic Civilisation)”, *Miras-e Elmi-ye Eslam va Iran*, vol. 1, no. 1, Tehran, 2012, pp. 126–135 (Persian).
- “A Review on the Book: *Cultural Exchanges in Astrology*” (jointly with Yoichi Isahaya as the first author), *Ketāb-e māh-e ‘Olūm va Fonūn*, vol. 51, Tehran, 2011, pp. 62–67 (Persian).
- “A Review on the Book: *Aristarchus of Samos, the Ancient Copernicus*,” *Ketāb-e Māh-e ‘Olūm va Fonūn*, vol. 34, Tehran, 2008, pp. 503–509 (Persian).

### Encyclopedia and Dictionary Entries in

- *Farhang-e Jāmi ‘-e Zabān-e Fārsī* (*The Comprehensive Dictionary of Persian Language*), vol. 2, The Academy of Persian Language and Literature (Farhangestān-e Zabān va Adab-e Fārsī), Tehran, 2017 (Persian).
- *Dāneshnāme-ye Jahān-e Eslām* (*Encyclopedia of the world of Islam*), Encyclopaedia Islamica Foundation, Tehran, vols 20–26 (Persian).

### Translations (English into Persian)

- “The Equation of Time – Early Days”, Kevin Karney, *Miras-e Elmi-ye Eslam va Iran*, vol. 5, no. 2, Tehran, 2016–2017, pp. 24–34.
- “An Arabic Supernova SN 1006 by Ibn Sīna (Avicenna)”, R. Neuhäuser, C. Ehrig-Eggert, and P. Kunitzsch, *Miras-e Elmi-ye Eslam va Iran*, vol. 4, no. 2, Tehran, 2015–2016, pp. 35–47.
- “A Survey of Research in the Mathematical Sciences in Medieval Islam from 1996 to 2011”, Glen Van Brummelen, *Miras-e Elmi-ye Eslam va Iran*, vol. 3, no. 2, Tehran, 2014–2015, pp. 3–60.
- “Shared Identities: the Construction of the Islamic Community through the Mobility of Knowledge”, Monica Rius-Piniés, *Miras-e Elmi-ye Eslam va Iran*, vol. 3, no. 1, Tehran, 2014, pp. 88–96.
- “Yvonne Dold-Samplonius”, Jan P. Hogendijk, *Miras-e Elmi-ye Eslam va Iran*, vol. 3, no. 1, Tehran, 2014, pp. 146–151.
- “Gravity of Modernity, Reactions to the “New Astronomy” in Iran and Japan”, Yoichi Isahaya, *Miras-e Elmi-ye Eslam va Iran*, vol. 2, no. 2, Tehran, 2013–2014, pp. 72–90.
- “How I was Attracted to Islamic Period Astronomy (Prof. David. A.

King's Preface to his Collected Works on Islamic Astronomy)", *Miras-e Elmi-ye Eslam va Iran*, vol. 2, no. 1, Tehran, 2013, pp. 27–34.

- "A Review on a New Book of David. A. King: *Islamic Astronomy and Geography*", *Newsletter of Institute for the History of Science*, vol. 9, University of Tehran, 2013, pp. 16–20.
- "Naṣīr al-Dīn al-Ṭūsī on Lunar Crescent Visibility and an Analysis with Modern Altitude-Azimuth Criteria", Hamid-Reza Giahi Yazdi, *Ustad-e Bashār, Essays on the Life, Times, Philosophy and Scientific Achievements of Khwājah Naṣīr al-Dīn al-Ṭūsī*, Selected and Edited by: Hossein Masoumi Hamedani and Mohammad Javad Anvari, Tehran, 2012, pp. 471–483.
- "Sundials in Islam", B. A. Rosenfeld, *Newsletter of Institute for the History of Science*, vols. 6 & 7, University of Tehran, 2011, pp. 41–43.
- "The Persian Observation of the Solar Apogee in CA. A. D. 450", David Pingree, *Newsletter of Institute for the History of Science*, vols. 6 & 7, University of Tehran, 2011, pp. 52–53.

**PRESENTATIONS AND INVITED LECTURED**      **Presentations**

- "Ptolemy's star catalogue in the medieval Islamic sources", ZODIAC, Ancient Astral Science in Transformation, Freie Universität, Berlin, 15 Jan 2025.
- "Geometric proofs of Ptolemy's *Almagest* in Thābit ibn Qurra's version and Naṣīr al-dīn al-Ṭūsī's recension", Séminaire – Lecture de textes mathématiques anciens, CNRS, SPHERE, Paris, 19 December 2024.
- "Lecture on Astronomy in Medieval Islam: Knowledge, Instruments, Texts", jointly organised by the Chair of History and Philosophy of Mathematical Sciences (ETHZ) and the Institute of Asian and Oriental Studies (UZH), Zürich, 31 May 2024.
- "Episodes of the history of astronomy in Medieval Islam: influences on the West" (a seminar for MA students), The Warburg Institute, London, 18 March 2024.
- "Visualisation of mathematical astronomy in the medieval Arabic translations of Ptolemy's *Almagest*: diagrams and tables", Asterisms: The Relations among their Verbal, Numerical, and Visual Representations across Cultures in Research and Public Outreach, an international conference, Institute for Advanced Study, Princeton, 14 February 2024 (online presentation).
- "Medieval Arabic translations of Ptolemy's *Almagest*", Seminário Helena Avelar de Astronomia e Astrologia Antiga, CIUHCT, University of Lisbon, 25 January 2024 (online presentation).
- "An introduction to the history of astronomy in medieval Islam" (a seminar for M.Sc. students of astronomy), Friedrich Schiller University, Faculty of Physics and Astronomy, Jena, 16 January

2024.

- “The transmission of astral sciences in the middle ages: medieval Arabic translations of Ptolemy’s *Almagest*”, Lecture series: finding our ways in space and time, perceptions of the universe, University of Potsdam, 19 December 2023.
- “A comparative survey of two ninth-century Arabic translations of Ptolemy’s *Almagest*: their methods and terminology”, Changing Episteme in Early Modern Sanskrit Astronomy (CEEMSA), Copenhagen, 13–15 November 2023.
- “An accessory instrument to the astrolabe, made by a 10<sup>th</sup>-century craftsman”, 42<sup>nd</sup> Scientific Instrument Symposium, Through Ages, Cultures, Concepts, Instruments in Collections, Books, Archives, Palermo, 18–22 September 2023.
- “The manuscripts of medieval Arabic translations of Ptolemy’s *Almagest*”, 3<sup>rd</sup> International Prof. Dr. Fuat Sezgin Symposium on the History of Science in Islam, Istanbul, 26 May 2023.
- “The most widespread medieval Arabic translation of Ptolemy’s *Almagest*”, University of Würzburg, 11 May 2023.
- “The most widespread medieval Arabic translation of Ptolemy’s *Almagest*”, Friedrich Schiller University, Faculty of Physics and Astronomy, Jena, 4 May 2023.
- “An introduction to the history of astronomy in medieval Islam” (a seminar for M.Sc. students of astronomy), Friedrich Schiller University, Faculty of Physics and Astronomy, Jena, 2 May 2023.
- “Were the geometric proofs of the *Almagest* transformed in its medieval Arabic translations and commentaries?”, CNRS, SPHERE, Paris, 16 January 2023.
- “Transcription and critical edition of the Ishāq-Thābit translation of Ptolemy’s *Almagest*”, 34. Deutscher Orientalistentag, Freie Universität Berlin, 15 September 2022.
- “A 9<sup>th</sup>-century Arabic translation of Ptolemy’s *Almagest*”, Symposium on the occasion of the retirement of Prof. Jan Hogendijk, Utrecht University, 9 September 2022.
- “A brief survey of Bīrūnī’s works on the astrolabe”, CHOSTIS Webinar I: Biruni’s Corpus and His Work in the Astral Sciences Confirmation, 3 March 2022.
- “Between education and patronage: a classification of Arabic astrolabe texts in the 10<sup>th</sup> and 11<sup>th</sup> centuries”, Text and Transmission Joint Research Seminar (TeTra Online), 9 August 2021.
- “Traces of unrevised translation of the *Almagest* by Ishāq ibn Ḥunayn”, 26<sup>th</sup> International congress of history of science and technology (virtual congress), Prague, 25–31 July 2021.

- “Al-Bīrūnī’s treatise on the applications of standard and some non-standard astrolabes”, 39<sup>th</sup> Scientific Instrument Symposium (virtual conference), London, 15 September 2020.
- “Two treatises on the astrolabe by Abū Rayḥān Muḥammad ibn Aḥmad Bīrūnī (973–1048 A.D.)”, Institut für den Nahen und Mittleren Osten, Ludwig-Maximilians-Universität, Munich, 12 November 2019.
- “Teaching the history of science in Iran”, Max Planck Institute for the History of Science, Berlin, 30 June–1 July 2014.
- “The birth of astronomical timekeeping in Islamic period”, Institute for Wisdom and Philosophy, Tehran, 9 April 2014 (Persian).
- “Dating the events of the Samarqand Observatory and School based on some old Persian texts: a revision” (jointly with Hamid-Reza Giahī Yazdī), University of Kastamonu, 13–15 November 2013.
- “The role of *‘Ilm al-Mīqāt* in the progress of making sundials in the Islamic civilization”, (as a remote contributor), University of Manchester, 21–28 July 2013.
- “Pajūhishī dar istifādih az shākhiṣ barāy-i ta’yīn-i owqāt-i namāz-i musalmānān bar asās-i faṣl-i 27 az kitāb-i *Yawāqīt al-‘Ulūm wa Darārī al-Nujūm*” (A survey of the use of a gnomon for determining the Muslims’ prayer times based on the 27<sup>th</sup> chapter of the book *Yawāqīt al-‘Ulūm wa Darārī al-Nujūm*), University of Tehran, 26 June 2013 (Persian).

### Workshops

- “Astronomie-Workshop” (jointly with Hanna Reidenbach and Maurizio Boehm), ‘sundial workshop’ for kids and ‘astrolabe workshop’ for adults, Tag der Offenen Tür der Bayerischen Akademie der Wissenschaften (Open Day of the Bavarian Academy of Sciences and Humanities), Munich, 4 May 2024.
- “A brief history of Islamic sundials and making a *Mukḥula*”, Friedrich Schiller University, Faculty of Physics and Astronomy, Jena, 17 November 2016.
- “A brief history of Islamic sundials and making a *Mukḥula*”, 3rd International Summer School, Prof. Dr. Fuat Sezgin Research Foundation for the History of Science in Islam, Istanbul, 25 August 2014.
- “A brief history of Islamic sundials and making a *Mukḥula*”, Institute for the History of Science, University of Tehran, 13 November 2012 (Persian).
- “A brief history of Islamic sundials and making a *Mukḥula*”, University of Bū ‘Alī, The Faculty of Science, Hamedan, 24 May 2012 (Persian).

**LANGUAGES****Persian:** Native Language.**English:** Advanced.**Arabic:** Expert reading ability.**Classical Greek:** Elementary reading ability.**OTHER****Music:** Violin Player