

## Personal details and date of CV

- Surname: Mani
- First name: Rajaboopathi
- Researcher identifier: ORCID: [0000-0002-2535-8987](https://orcid.org/0000-0002-2535-8987); ResearcherID: [L-3801-2016](https://www.researcherid.com/rid/L-3801-2016)
- Date of CV: 30.06.2022

## Degrees

- **Ph.D** (Doctor of Philosophy), Physics, Periyar University, Tamilnadu (TN), India, 16.09.2014, Web: [periyaruniversity.ac.in](http://periyaruniversity.ac.in), (Part of the doctoral research work was carried out at Lappeenranta University of Technology (LUT), Lappeenranta, Finland through Indo-Finnish Scholarship Pool 2012 and LUT support during Sep 2012 to Dec 2013).
- **M.Sc** (Master of Science), Physics, Periyar University, TN, India, 17.09.2007 (eq. 120 ECTS).

## Other education and expertise

- B.Ed (Bachelor of Education), SRKMV College of Education, Coimbatore, TN, India, 30.06.2008, Teaching Pedagogy (eq. 60 ECTS)
- AICTE Training and Learning (ATAL) online Faculty Development Programme (FDP) on Photonics, Central University of Jharkhand, Jharkhand, India, 18-22 Jan 2021.
- FDP on Mentoring Pedagogy for Higher Education, IIT Guwahati, India, 09-14 Aug 2021, Training course.

## Current employment

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## Previous work experience

- **Marie Sklodowska-Curie Postdoctoral Researcher**, Department of Chemical and Metallurgical Engineering, Aalto University, Finland, 01.10.2019 – 30.11.2021, Third tier researcher.
- **Assistant Professor**, PRIST University, Thanjavur, TN, India, 23.01.2019 – 09.09.2019. (on sabbatical leave 01.10.2019-30-06-2022)
- **Postdoctoral Researcher**, Shandong University, China, 01.01.2016 – 30.06.2018, Fund: China Postdoc Council and Shandong University, China.
- **Visiting Researcher**, LUT, Finland, 10.11.2014 – 31.12.2014, Fund: LUT, Finland.
- **Project Researcher**, LUT, Finland, 02.05.2013 – 31.12.2013, Fund: LUT, Finland.
- **PhD Research Exchange**, LUT, Finland, 01.09.2012 – 01.05.2013, Fund: Centre for International Mobility- (CIMO), Finland (now EDUFI).

## Research funding and grants (individual)

- Marie Sklodowska-Curie Individual Fellowship, 01.10.2019–30.11.2021, **Organic Mesocrystals: Formation and controlling of oriented nanoparticles of molecular solids for drug development**, European Union under H2020-MSCA-IF-2018, Grant ID: 842140, Amount: EUR 202680,96, *Role*: Fellow – proposal preparation, responsible researcher and project management. *PI*: Prof. Marjatta Louhi-Kultanen, Aalto University, Finland.
- China Postdoctoral International Exchange Program, 01.01.2016–30.06.2018, **Microstructural analysis of silicates**, Office of China Postdoc Council and Shandong University, China, Amount: RMB 600000.00 (USD ≈89555.00), *Role*: Project researcher,

proposal preparation, *PI*: Prof. Huaidong Jiang, presently at ShanghaiTech University, Shanghai, China.

- Indo Finnish Scholarship Pool-2012, 01.09.2012 – 01.05.2013, **Sorting of polymorphism for pharmaceutical application**, CIMO, Finland (now EDUFI), Amount: EUR 9600 and travel grant 1,09,878 INR (USD ≈1350.00).
- Conference Travel grant-2012, 1-6.07.2012, Department of Science and Technology (DST), India, Amount: INR 52, 240 (USD 660.00).

### Research Supervision and leadership experience

- *Bachelor thesis supervision*; Erik Haikala, Non-classical crystallization of organic mesocrystals for pharmaceutical applications, 09.05.2021, Aalto University, Finland
- *Instructing master thesis in research group*; 1. M. Senthilkumar (Postdoc now at Dongguk University, Korea), Synthesis Growth and characterization of DAP:PA co-crystals for THG application, 2012, Periyar University, India, 2. Albert Nuno, Preparation and characterization of TiO<sub>2</sub> nanoparticles, 2013, LUT, Finland.

### Teaching merits

- Assistant Professor, PRIST University, Thanjavur, TN, India, 23.01.2019 – 09.09.2019.
- Graduate School Course on Crystallization and Crystal Characterization Techniques (5 ECTS), Aalto University, Finland, *Role*: Teacher, *Total Hours*: 6 h. 1-5.06.2020.
- Worked as postgraduate teacher in AKT Academy High Sec. School, Kallakkurichi, TN, India. Jul 2008 – Nov 2009.

### Awards and honours

- Visiting Researcher, LUT, Finland, 10.11.2014 – 31.12.2014.
- Project Researcher, LUT, Finland, 02.05.2013 – 31.12.2013.
- Junior Research Fellow in Defence Research and Development Organization (DRDO), India, 02.11.2009 – 31.10.2012. (*also refer Research funding and grants*)

### Other key academic merits, such as

**Memberships and positions of trust in scientific organisations**: (1) Life Member of Marie Curie Alumni Association, Since 2019, (2) Life Member of Materials Research Society of India, Since 2020, (3) Life Member of Indian Association for Crystal Growth, Since 2010.

**Guest Editor**: MDPI Crystals, **Referee for scientific publications**: Spectrochimica Acta Part A, J. Mol. Struct., Materials Letters., R. Soc. Open Sci., MDPI Photonics., MDPI Crystals.

**Significant invited international lectures (last 5 years)**: (1) [KMRSE'21](#) Keynote address, Kumaraguru College of Technology, TN, India, 23-25 Jun 2021, (2) [ICHSM-2021](#) Virtual Intl. SRM Institute of Science and Technology, India, 8-10 Apr 2021, (3) Frontiers of energy efficient materials and devices, SRMV College of Arts and Science, India, 13 Mar 2021, (4) Recent Advanced Materials in Energy Applications, Sathyabama University, India, 30-31 Jul 2020, (5) Advances in Materials Science Research, K.S.R College of Arts and Science, India, 30 Jun 2020, (6) Advanced Materials: Webinar Series-I, Vels Institute of Science, Technology and Advanced Studies (VISTAS), India, 21-23 May 2020, **Total talks: 11.**

**Organising scientific conferences**: National Seminar on Recent Advances in Materials Science (SRAMS-2019), 21.08.2019, PRIST University, Thanjavur, TN, India.

**Scientific and societal impact** No. of Publication 25 (Scopus dated on 30.06.2022) and total citation 265 (excluding self-citation 210), h-index:10, open access:3 publ., Book Chapter: 1