

## NAVEEN VIJAY PADAKI

Email: naveenvpadaki@gmail.com  
Contact No: +91-80-26282136 (Office)



### ACADEMIC DEGREES

**Ph.D.** – Dept. of Textile Technology; Indian Institute of Technology-Delhi (**IIT Delhi**), 2010.

**M.Tech**; Textile Technology; GSKSJT Institute, Visvesvaraya Technological University, 2001.

**B.Tech.**; Textile Technology; GSKSJT Institute, Bangalore University, 1998.

### PROFESSIONAL EXPERIENCE

**Since December 2008:** Scientist at Central Silk Technological Research Institute (CSTRI), Central Silk Board (Ministry of Textiles, Govt. of India), Bengaluru. Activities include Research, Training/Teaching and Administration.

**August 2004 to December 2008:** Research scholar (PhD student) under supervision of Prof. BL Deopura, Dr. R Alagirusamy and Dr. Raul Fanguero, registered in Department of Textile Technology, Indian Institute of Technology, New Delhi.

**July 2005 – July 2006:** Student Researcher under exchange program. Worked in Department of Textile Engineering, University of Minho, Portugal as a research fellow under Asia-Link project, research exchange program (Sponsored by European Union).

**July 2004 – July 2005:** Senior Research fellow in research project “Development of Low-Bulk Commingled Tow Prepregs for Thermoplastic Composite Applications” (sponsored by CSIR, India), under Dr. R Alagirusamy, Department of Textile Technology, Indian Institute of Technology, New Delhi.

**2004 May – July 2004:** Contract research fellow in research project “Development of energy efficient textile machinery components using polymeric composite materials for mill and power loom sector” (sponsored by Ministry of Textiles, Govt. of India), Department of Textile Technology, Indian Institute of Technology, New Delhi.

**2002 June – April 2004:** Lecturer (fulltime guest faculty), Department of Apparel Technology & Management, Bangalore University, Bangalore.

**1999 September – April 2004:** Lecturer (part time) Govt. Sri Krishnarajendra Silver Jubilee Technological Institute (GSKSJT Institute), Bangalore.

**2000 December – May 2002:** Marketing and technical executive, biotech in textiles, Biocon India Limited, Bangalore

**1999 January – 1999 June:** Technical officer, composite textile mill, Gokak Mills Limited, Gokak (Belgaum dist).

**1998 September – December 1998:** Graduate engineering trainee, garment company - Shahi Export House, Bangalore.

## RESEARCH PROJECTS UNDERTAKEN IN CENTRAL SILK BOARD:

- A. Developing novel applications from silk fibres and proteins (BPC07017EF) Project Duration. Sept. 2020 – August 2022. Project Budget: 89.99 Lakhs (Funding Agency: Dept. of Biotechnology DBT, Ministry of Science & Technology, Govt. of India).
- B. Electrospun silk fibroin nano-composite fibres for biomaterial applications (CYF 7074) Project Duration. Sept. 2015 – March 2019. Project Budget: 27.2 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- C. Design & Development of Silk Based Composite Materials for Biomaterial Applications CYF 5060 June 2013 – Dec 2015. Project Budget: 10.2 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- D. Development of woven and knitted products using silk and silk blended Melange yarns - CFW07007SI. June 2019 – May 2021. Project Budget: 20 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- E. Grading of Tasar Raw Silk Yarn – Development of Methods and procedure – CYR 7077. Sept. 2015 – March 2019. Project Budget: 12.2 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- F. Development of eri silk based facial masks for cosmetic applications CYF 7067 Jan 2015 – Dec 2016. Project Budget: 10.5 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- G. Silk Carpets: Influence of knot structure on carpet properties: CYF 7070 Jan 2015 – Dec 2016. Project Budget: 14.25 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- H. Studies on Comfort Properties of Eri Silk & Wool Blended Fabric for Winter Wear Applications CYS 5057 Jan 2013-March 2015. Project Budget: 8.5 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- I. Development of suitable cooking technology and characterization of raily cocoon - CYR7071. (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).
- J. Studies on tasar cocoon cooking methods and development of cooking device CYR 7055. Dec 12 – Dec 14. Project Budget: 9.5 Lakhs (Funding Agency: Central Silk Board, Ministry of Textiles, Govt. of India).

## 5. RESEARCH INTERESTS

Silk Technology	Silk Nanofibres.
Silk Based Biomaterials	Technical / Smart Textiles and Clothing.
Chemical Processing of Silk.	Silk Fibroin & Silk Sericin

## 6. PUBLICATIONS: Total : 68

Patents:	1 No.	Books / Book Chapters:	14
Journal Articles:	23	Conference Papers:	30