Curriculum Vitae of Dr. Parushuram N

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1. Name	: Dr. Parushuram N MSc PhD
2. Designation	: Assistant Professor
3. Department	: Physics
4. Institution	: SSK Basaveshwar Arts, Science & Commerce UG & PG Degree College Basavakalyan-585327
5. Date of Birth	: 27-02-1993
6. EMP. ID	: 0100231679
7. Gender (M/F/T)	: Male

PhD from Mangalore University
Area of Research: Nanotechnology and Bio-Adsorption of Organic Dyes

ACADEMIC BACKGROUND

Courses	University	Completed year
B. Sc. (Phy, Chem, Math)	Gulbarga University	2014 (71.4%)
M. Sc. (Physics)	Gulbarga University	2016 (69.5%)
PhD (Course Work)	Mangalore University	2018 (75.3%)
Guest Faculty	Bengaluru City University	2022-23 and 2023-24
Guest Faculty	GFGC Shahapur	22/5/2025 to 12/7/2025
Assistant Professor	SSKB UG & PG College Basavakalyan	13/7/2025…

PhD in Physics

- **Thesis Title: Methylene Blue Dye Adsorption Study Using Silk Polymorphs**
- **The Research Supervisor: Professor Y. Sangappa,** PhD, NET, Raman post-Doc Fellow (USA), Deportment of Studies in Physics Mangalore University Mangalagangotri, Karnataka, India -574199
- **Year of Award: 28 Oct 2021**

MEMBERSHIP

- Indian Science Congress
- The International Nanoscience Community

REVIEWER

- Journal of Environmental Chemical Engineering (Elsevier)

ACADEMIC WORK

- Assistant Nodal Officer for Dec 2025 - Jan 2026 Degree Examination Conducted by the Bidar University Bidar

PAPER PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCE/SEMINAR:

1. **N. Parushuram, International Year of Crystallography, IYCr-2014,** Sponsored by Vision Group on Science and Technology, Bengaluru and Gulbarga University, Kalaburgi, March 27 and 28, 2015.
2. **N. Parushuram,** R. Ranjana, S. Asha, R. Madhukumar, K. Byrappa, B. Narayana, and Y. Sangappa, Radiation-Assisted Synthesis and Characterization of Silver Nanoparticles, **National Conference on PAIR-2017, April 11-13, 2017, Mangalore University, Karnataka.**
3. **N. Parushuram,** R. Ranjana, K. S. Harisha, S. Asha, B. Narayana, K. Byrappa, and Y.

Sangappa, Rapid Synthesis of Gold Nanoparticles Using Silk Fibroin: Characterization and Antibacterial Activity, **International conference AFMEEB- 2017, December 11-12, 2017, Madurai Kamaraja University, Madurai-Tamil Nadu.**

4. **N. Parushuram,** R. Ranjana, K. S. Harisha, S. Asha, K. Byrappa, B. Narayana, L. N. Madhu, and Y. Sangappa, Rapid Synthesis of Gold Nanoparticles Using Silk Fibroin: Characterization and Anticancer Properties, **International Conference on RAMSB-2018, January 23-25, 2018, Mangalore University, Karnataka.**
5. **N. Parushuram,** S. Asha, R. Ranjana, K. S. Harisha, M. Shilpa, B. Narayana, K. Byrappa, and Y. Sangappa, Bio-Synthesis of Gold Nanoparticles and Their Characterization, **National Conference on Advanced Materials and Nanotechnology (AMN-2018), March 15-17, 2018, JIIT, Noida, Uttar Pradesh.**
6. **N. Parushuram,** S. Asha, R. Ranjana, K. S. Harisha, M. Shilpa, B. Narayana, and Y. Sangappa, Biosynthesis of Spherical Gold Nanoparticles and Their Characterization, **3rd International Conference on Advances in Materials and Manufacturing Applications, (IconAMMA-2018), August 16-18, 2018, Bangalore, Karnataka.**
7. **N. Parushuram,** R. Ranajna, S. Asha, K. S. Harisha, B. Narayana, and Y. Sangappa, Biogenic Synthesise of Colloidal Gold Nanoparticles and Anticancer Activity, 10th Bengaluru India Nano, **International conference, December 05-07, 2018, Bangalore, Karnataka.**
8. **N. Parushuram,** S. Asha, S. B. Suma, K. Krishna, R. Neelakandan, and Y. Sangappa, Green Synthesis of High Yield Mono-Dispersed Gold Nanoparticles Using Silk-Sericin and Characterization, **International Conference on advances in basic sciences (ICABS19), February 07-09, 2019, Haryana.**
9. **N. Parushuram,** R. Ranjana, S. Asha, K. S. Harisha, K. Byrappa, B. Narayana, R.

Somashekar, and Y. Sangappa, UV-assisted Synthesis of Gold Nanoparticles Using *Bombyx Mori* Silk Sericin: Characterization and Catalytic Reduction of Methylene Blue, **International Conference on Materials for advanced Technologies ICMAT-2019, June 23-27, 2019, Marina Bay Sands, Singapore.**

10. **N. Parushuram,** R. Ranajna, K. S. Harisha, B. Narayana, and Y. Sangappa, Microwave Assisted Synthesis of Gold Nanocolloids Using Textile Waste Silk Sericin: Characterization and Dye Decomposition of Methyl Orange**, International Conference on Advance in Chemical and Materials Science, ICCM-2019, October 17-19, 2019, Mangalore University Karnataka.**
11. **N. Parushuram,** R. Ranjana, K. S. Harisha, M. J. Lavita, B. Narayana, and Y. Sangappa, Highly Stable Colloidal Gold Nanoparticles Using Biopolymer Silk Sericin: Characterization and Antibacterial Activity, **2nd International Conference on Recent Advances in Materials Manufacturing, (ICRAMM-2020) November 20-21, 2020, Erode, Tamil Nadu.**
12. **N. Parushuram,** Lavita J Martis, and Y. Sangappa. **Structural, Morphological and Electrical Properties of PVA/Au Nanocomposite Films**" in the 2021 Global Conference on Recent Advances in Sustainable Materials (GC-RASM 2021) held at **A. J. Institute of Engineering & Technology, Mangalore – 575006 during 29 - 30, July 2021.**

ATTENDED NATIONAL AND INTERNATIONAL ONLINE CONFERENCE/SEMINAR:

1. Participated in the one day online conference on **Essentials of Nano-Technology and Nano-Electronics** on 13th June 2020 organised by department of Physics **Saveetha Engineering College Anna University.**
2. Participated in the one day online webinar on **Introduction to Metal Oxide**

Nanostructures for Sensor Application, on 15th June 2020 organised by the **Centre for Nano Science & Nanotechnology, Sathyabama Institute of Science and Technology Chennai-600119.**

3. Participated in the online conference on **Awareness Pledge on Covid -19 Fight Against Corona Virus** from 12-07-2020 to 19-07-2020.organized by **KPRIET-UBA, NSS & ECO CLUB Coimbatore-641 407.**
4. Participated in the three day International conference on the **Emerging Smart Materials in Applied Chemistry -2020,** held on 10th to 12th August 2020, organised by **Department of Chemistry KIIT Deemed to be University, Bhuvaneswar, Odisha -751024.**
5. Participated in the three day International conference on the **Advanced in Functional Materials -2020,** held on 26th to 28th August 2020, organised by **Department of chemistry KIIT Deemed to be University, Bhuvaneswar, Odisha -751024.**
6. Participated in the one day online webinar workshop on **Surface Engineering & Modification for Better Performances** on 19th September 2020 organised by the **Electrochemical Society of India (ECSI), Indian Institute of Science Bengaluru 560012.**
7. Participated in IQAC Initiated UGC Stride Sponsored the Two day International e-conference on **Material Science and Technology 2020, an approach for Trans-Disciplinary Research,** on 9th & 10th October 2020, organised by **KLE'S Society S. Nijalingappa College Bengaluru -560010.**
8. Participated in the one day National level online webinar on the **Role of National Research Foundation in Promoting Quality Research in the Country under NEP**

2020, held on 10th October 2020, organized by **All India Research Association Mysore -570009.**

9. Participated in the one day International webinar on **Nanomaterial's and Flexible Electronics**, held from 15th & 16th October 2020 organized by **Mangalore University Incubation Centre Mangalore -574199.**

PUBLICATIONS

1. **N. Parushuram,** R. Ranjana, B. Narayana, M. Mahendra, and Y. Sangappa. Facile Fabrication of Silk Fibroin Microparticles: Their Characterization and Potential Adsorption Study. **Journal of Dispersion Science and Technology**, Vol. 42(10), 1513-1531, 2021, doi:10.1080/01932691. 2020.1774383, IF-2.26.
2. **N. Parushuram,** R. Ranjana, K. S. Harisha, M. Shilpa, B. Narayana, R. Neelakandan, and Y. Sangappa. Fabrication of SF and SF-AuNPs Nanocomposite Films: Characterization and Adsorbability Study on Methylene Blue Dye. **Journal of Dispersion Science and Technology**, Vol. 40, 2020, doi:10.1080/01932691.2020.1848578, IF-2.26**.**
3. **N. Parushuram,** B. U. Gauthama, R. Ranjana, K. S. Harisha, Lavita J. Martis, B. Narayana, and Y. Sangappa. Novel Conductive *in-situ* Reduced Graphene Oxide - Silk Fibroin Bionanocomposites. **ACS Omega,** Vol. 6, 12995-13007, 2021, doi:10.1021/acsomega.1c00013, IF-3.5.
4. **N. Parushuram,** R. Ranjana, K. S. Harisha, J. Lavita Martis, and Y. Sangappa. High Stable Colloidal Gold Nanoparticles Using Biopolymer Silk Sericin: Characterization and Antibacterial Activity. **Materials Today: Proceedings**, Vol. 42(2), 940-946, 2021, doi:10.1016/j.matpr.2020.11.854**.**

5. **N. Parushuram,** S. Asha, R. Ranjana, K. S. Harisha, M. Shilpa, B. Narayana, and Y. Sangappa. Biosynthesis of Spherical Gold Nanoparticles and Their Characterization. **Institute of Physics (IOP) Conference Series: Material Science and Engineering,** Vol. 577, 012007, 2019, doi:10.1088/1757-899X/577/1/012007.
6. **N. Parushuram,** S. Asha, S. B. Suma, K. Krishna, R. Neelakandan, and Y. Sangappa. Green Synthesis of High Yield Mono-dispersed Gold Nanoparticles Using Silk-Sericin and Characterization. **American Institute of Physics: Conference Proceedings,** Vol. 2142, 150016-1–150016-5, 2019, doi:10.1063/1.5122565.
7. Y. Sangappa, S. Latha, S. Asha, P. Sindhu, **N. Parushuram,** M. Shilpa, K. Byrappa, and B. Narayana. Synthesis of Anisotropic Silver Nanoparticles Using Silk Fibroin: Characterization and Antimicrobial Properties. **Materials Research Innovations**, Vol. 23(2), 79-85, 2019, doi:10.10 80/ 14328917.2017.1383680, IF-3.6.
8. K. S. Harisha, **N. Parushuram,** S. Asha, S. B. Suma, B. Narayana, and Y. Sangappa. Eco-synthesis of Gold Nanoparticles by Sericin Derived from *Bombyx mori* Silk and Catalytic Study on Degradation of Methylene Blue. **Journal of Particulate Science and Technology,** Vol. 39, 131-140, 2021, doi:10.1080/02726351.2019.1666951, IF=2.35.
9. R. Ranjana, **N. Parushuram,** K. S. Harisha, S. Asha, B. Narayana, M. Mahendra, and Y. Sangappa. Fabrication and Characterization of Conductive Silk Fibroin - Gold Nanocomposite Films. **Journal of Materials Science: Materials in Electronics** (Springer), Vol. 31, 249–264, 2020, doi:10.1007/s10854-019-02485-5, IF=2.478.
10. R. Ranjana, **N. Parushuram,** K. S. Harisha, B. Narayana, and Y. Sangappa. Photo-driven Synthesis of Anisotropic Gold Nanoparticles Using Silk Fibroin – Cell Viability Activities in Lymphocyte and Jurkat Cancer Cells. **BioNanoscience**, Vol. 10(4), 864-875, 2020, doi:10.1007/s12668-020-00772-8.

11. R. Ranjana, **N. Parushuram,** K. S. Harisha, S. Asha, and Y. Sangappa. Silk Fibroin a Bio-Template for Synthesis of Different Shaped Gold Nanoparticles: Characterization and Ammonia Detection Application. **Materials Today: Proceedings**, Vol. 27, 434-439, 2020, doi:10.1016/j.matpr.2019.11.259.
12. S. Asha, **N. Parushuram,** K. S. Harish, S. Ganesh, and Y. Sangappa. Radiation Induced Effects on Silk Fibroin Films. **American Institute of Physics: Conference Proceedings,** Vol. 2142, 150027-1–150027-4, 2019, doi:10.1063/1.5122576.
13. K. S. Harisha, **N. Parushuram,** R. Ranjana, J. Lavita Martis, B. Narayana, and Y. Sangappa. Characterization and Antibacterial Properties of Biogenic Spherical Silver Nanoparticles. **Materials Today: Proceedings**, Vol. 42(2), 405-409, 2021, doi:10.1016/j.matpr.2020.09.654.
14. Lavita J Martis, **N. Parushuram,** and Y. Sangappa. Structural, Morphological and Electrical Properties of PVA/Au Nanocomposite Films. **Materials Today: Proceedings**, 2021, doi:10.1016/j.matpr.2021.07.453.
15. R. Ranjana, S. Asha, **N. Parushuram**, K. S. Harisha, B. Narayana, K. Byrappa and Y. Sangappa. Synthesis and Characterization of Gold Nanoparticles. **American Institute of Physics: Conference Proceedings,** Vol. 2009, 020042-1-020042-4, 2018, doi:10.1063/1.5052111.
16. Lavita J Martis, **N. Parushuram,** and Y. Sangappa. Preparation, characterization, and methylene blue dye adsorption study of silk fibroin–graphene oxide nanocomposites **Environmental Science Advance**, 2022, doi: 10.1039/d1va00047k.
17. K. S. Harisha, M. Shilpa, S. Asha, **N. Parushuram,** R. Ranjana, B. Narayana, and Y. Sangappa. Synthesis of Silver Nanoparticles Using *Bombyx Mori* Silk Fibroin and Antibacterial Activity. **Institute of Physics (IOP) Conference Proceedings: Materials**

Science and Engineering, Vol. 577 012008, 2019, doi:10.1088/1757-899X/577/1/012008.

18. M. Shilpa, K. S. Harisha, S. Asha, **N. Parushuram,** R. Ranjana, and Y. Sangappa. Silk Sericin a Bio-template for the Synthesis of Silver Nanoparticles and Characterization. **American Institute of Physics: Conference Proceedings,** Vol. 2142, 150024-1–150024-4, 2019, doi:10.1063/1.5122573.
19. K. S. Harisha, M. Shilpa, S. Asha, **N. Parushuram,** D. C. Harish kumar, B. Narayana, and Y. Sangappa. Green Synthesis of Silver Nanoparticles Using Natural Biomaterial. **American Institute of Physics: Conference Proceedings,** Vol. 2142, 150012-1–150012-5, 2019, doi:10.1063/1.5122561.
20. S. Latha, M. Shilpa, **N. Parushuram,** and Y. Sangappa. Green Synthesis of Silver Nanoparticles and Their Characterization. **American Institute of Physics: Conference Proceedings,** Vol. 2220, 020192, 2020, doi:10.1063 /5.0001 143
21. K. S. Harisha, **N. Parushuram,** B. Narayana, and Y. Sangappa. Biosynthesized unmodified silver nanoparticles: a colorimetric optical sensor for detection of Hg^{2+} ions in aqueous solution. **Results in Chemistry,** doi:10.1016/j.rechem.2022.100507.

WORKSHOPS

1. Global initiative for academic network on **Nanostructure Based Wide Band Gap Semiconductors for Sensor Applications** at Mangalore University, Oct 11-17, 2018.
2. Capacity building orkshop on **The future of Higher Education: Opportunities and Challenges** by Karnataka State Higher Education Council, Bengaluru in association with Rashtriya Uchchatar Shiksha Abhiyana (RUSA), MHRD and Mangalore University, May 18, 2019.

BEST POSTER AWARD

- **N. Parushuram,** S. Asha, S. B. Suma, K. Krishna, R. Neelakandan, and Y. Sangappa, Green Synthesis of High Yield Mono-Dispersed Gold Nanoparticles Using Silk-Sericin and Characterization, **International Conference on Advances in Basic Sciences** (ICABS19), February 07-09, 2019, **Haryana.**

STATES WITH IN INDIA ARE VISITED

- **Tamil Nadu, Andhra Pradesh, Kerala, Goa, Maharashtra, Delhi, Haryana, Punjab, Himachal Pradesh, UttaraKhand, and Uttar Pradesh** are visited to attend and present the research paper in national and international conferences.

FOREIGN VISIT – TO ATTEND AND PRESENT RESEARCH PAPER

- **N. Parushuram,** R. Ranjana, S. Asha, K. S. Harisha, K. Byrappa, B. Narayana, R. Somashekar, and Y. Sangappa, UV-assisted Synthesis of Gold Nanoparticles Using *Bombyx Mori* Silk Sericin: Characterization and Catalytic Reduction of Methylene Blue, **International Conference on Materials for Advanced Technologies** ICMAT-2019, June 23-27, 2019, Marina Bay Sands, **Singapore**.

SHORT-TERM COURSE

- Successfully completed online course on **Impact & Strategies for Higher Education: Comprehensive Research Pedagogy, Methodology & Design** held from 17th to 21st August 2020, organised by Department of **Electrical Engineering Funded by TEQIP-III Dr. B. R. Ambedkar National Institute of Technology (NIT) Jalandhar, Punjab – 144008.**
- Successfully completed online course on **Career Edge –Knock-down the Lockdown Offered by TCS-iON held from 08th to 29th May 2020.**

ORIENTATION PROGRAMS

- Participated & Successfully completed **UGC Sponsored Faculty Induction Program** held from 1st to 29th September 2025, conducted by **Bengaluru University Bengaluru-560056.**

COMPUTER LITERACY COURSE

- Have successfully completed the training in **Computer Literacy Course** with grade **A** during the 21-07-2025 to 19-10-2025

REFERENCES

Prof. Y. Sangappa	Prof. Shiva Hullavard	Prof. B. Narayana
Department of Physics	University of Alaska	Department of Chemistry
Mangalore University	Fairbanks, Alaska, AK	Mangalore University
Mangalagangotri- 574199	Fairbanks, AK 99775-5120	Mangalagangotri- 574199
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