

CURRICULUM VITAE OF **DR. S. BHAKYA**

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Education:

- 2019 DOCTOR OF PHILOSOPHY (PH. D., ZOOLOGY)**
RAJAH SERFOJI GOVT. COLLEGE, THANJAVUR- 613 005
AFFILIATED TO BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI - 620 024
- 2010 BACHELOR OF EDUCATION (B.Ed.) (74%)**
THIAGARAJAR COLLEGE OF PRECEPTORS, MADURAI - 625 009
AFFILIATED TO TAMILNADU TEACHERS EDUCATION UNIVERSITY, CHENNAI
(FIRST CLASS)
- 2009 MASTER OF PHILOSOPHY (M.Phil. Zoology) (79.9 %)**
AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI - 626 124, INDIA
AFFILIATED TO MADURAI KAMARAJ UNIVERSITY, MADURAI (FIRST CLASS
WITH DISTINCTION)
- 2008 MASTER OF SCIENCE (M. SC., ZOOLOGY) (84.86 %)**
AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI - 626 124, INDIA
AFFILIATED TO MADURAI KAMARAJ UNIVERSITY, MADURAI (FIRST CLASS
WITH DISTINCTION)
- 2006 BACHELOR OF SCIENCE (B. SC., ZOOLOGY) (74.1%)**
SRI PARASAKTHI COLLEGE FOR WOMEN, COURTALLAM, INDIA
AFFILIATED TO MANONMANIAM SUNDARANAR UNIVERSITY, TIRUNELVELI
(FIRST CLASS)
- 2003 HIGHER SECONDARY COURSE CERTIFICATE (BIOLOGY) (82.2 %)**
H.N.U.C. HR. SEC. SCHOOL, PULIANGUDI
- 2001 SECONDARY SCHOOL LEAVING CERTIFICATE (S.S.L.C) (75.4%)**
SACRED HEART GIRLS. HR. SEC. SCHOOL, SRIVILLIPUTHUR

Google Scholar:

<https://scholar.google.co.in/citations?user=UR5cUNkAAAJ&hl=en>

Doctoral Thesis: Green synthesis, Characterizaion of silver nanoparticles and their Biomedical application

Current Research Interest:

- ❖ Green synthesis of nanoparticles and their Anticancer activity
- ❖ Toxicity studies of biosynthesized nanoparticles
- ❖ Biomonitoring
- ❖ Dyedegradation

List of Publications:

Please see *Annexure I*

Positions Held:

1. **Assistant Professor**, PG and Research Department of Zoology, Yadava College, Madurai- 625 014 (07/11/2025 to Till Date).
2. **Assistant Professor**, Department of Zoology, Vyasa Arts and Science Women's college, Subramaniapuram- 627 758 (07/08/2020 to 30/04/2021).
3. **Senior Research Fellow** (UGC - RGNF), Department of Zoology, RAJAH SERFOJI GOVT. COLLEGE, THANJAVUR- 613 005 (April 2016 to March 2019).
4. **Junior Research Fellow** (UGC - RGNF), Department of Zoology, RAJAH SERFOJI GOVT. COLLEGE, THANJAVUR- 613 005 (April 2014 to March 2016).
5. **PG Assistant** in St.Gregorius Mat. Hr. Sec. School Mathur, Trichy (2012-2014).
6. **PG Assistant** in V.S.K.D Matriculation Hr. Sec. School, Sivakasi (2010-2011)

Participation in Seminars, Conferences, Workshops and Symposiums:

- National workshop on Techniques in Animal cell culture and *in vitro* toxicology, Mahatma Gandhi-Doerenkamp Center, Bharathidasan University, Tiruchirappalli, 1-7th September 2015.
- **National workshop on resources and technologies for scholarly information**, Department of Library Science, Bharathidasan University, Tiruchirappalli, 12th August, 2014.

- **National Seminar on Contemporary trends in Biotechnology Social Applications of Biotechnology** Paper presented on “Accumulation of Heavy Metals in Different Organs of Aquatic Animals” at A.N.J.A.College, Sivakasi.
- **National Symposium of Current Trends in Biotechnology** paper presented on “Impact of Heavy Metals in Living Organism” at St. Michael Engg. And Science College Kalaiyarkovil, 31st August 2008.
- **National Symposium of Current Trends in Biotechnology** paper presented on “Biomonitoring of Heavy Metal Pollution in and around Rajapalayam Taluk Using the murrel fish *Ophiocephalus striatus* (bloch)”.
- On Science Day and Aqua-terr Annual Conference at Madurai Kamaraj University, Madurai. (2008 and 2009).
- **Workshop on PCR- a magic tool in biotechnology**, Arulmigu Palaniandavar college for Women, Palani, 21st april, 2009.

Computer Skills:

- MS-WINDOWS operating systems.
- WINDOWS based SPSS

Instruments handled and Hands-on Experience:

- Atomic absorption, PCR, FT-IR, HPTLC
- Hitachi UV/Visible Spectrofluorimeter, Shimadzu UV/VIS Spectrophotometer

❖ **Extra Curricular activity : National Cadet Corps (NCC)**

List of Publications

1. **Bhakya S**, Muthukrishnan S, Sukumaran M, Muthukumar M (2015). Biogenic synthesis of silver nanoparticles and their antioxidant and antibacterial activity. **Applied Nanoscience**, 6(5): 755-766. **IF- 3.674**; CI-540.
2. Muthukrishnan S, **Bhakya S**, Senthil Kumar T, Rao MV (2015). Biosynthesis, characterization and antibacterial effect of plant-mediated AgNPs using *Ceropegia thwaitesii* - An endemic species. **Industrial Crops and Products**, 63: 119-124. **IF- 6.2**; CI- 212.
3. **Bhakya S**, Muthukrishnan S, Sukumaran M, Grijalva M, Cumbal L, Franklin Benjamin JH, Senthil Kumar T, Rao MV (2016). Antimicrobial, antioxidant and anticancer activity of biogenic silver nanoparticles - An experimental report. **RSC Advances**, 6: 81436–81446. **IF-4.6**; CI- 69.
4. **Bhakya S**, Muthukrishnan S, Sukumaran M, Muthukumar M, Senthil Kumar T, Rao MV (2015). Catalytic degradation of organic dyes using synthesized silver nanoparticles: A green approach. **Journal of Bioremediation & Biodegradation**, 6(5): 1000312. IF-Nil; CI-182.
5. Sreelekshmi, R, S Muthukrishnan, **S Bhakya**, T Parimelazhagan, EA Siril (2023). Silver Nanoparticles for the In Vitro Production of Phytochemicals. Nanophytomedicine 1st Edition, CRC Press.
6. S Muthukrishnan, **S Bhakya**, V. Ramalingam (2025). Metal nanoparticles synthesis: An overview of Different synthesis methods, mode of action and their biomedical application. **Discover Applied Sciences** – accepted **IF- 2.8**

IF - Impact Factor; CI - Citation Index; National: Nil; International: 5; Book Chapter: 1; Total Citation Index: 977; h - index: 4; i¹⁰ index: 4