

Resume of

Dr. ANGOTHU. SAMBA NAIK
Department of Zoology
PB Siddhartha College, vijayawada
Andhra Pradesh, India.
Email- naik.samba@gmail.com
Ph: 9346857782



Personal information

Date of Birth : 07-06-1985
Sex : Male
Marital Status : Single
Nationality : Indian

Academic Qualifications:

COURSE	NAME OF THE BOARD	YEAR OF PASSING	DIVISION	PERCENTAGE
Ph. D. (Zoology)	Acharya Nagarjuna University	2015	Good results with foreign Adjudication	----
M. Sc.(ZOOLOGY)	Acharya Nagarjuna University	2010	First class with distinction	76.4%
B. Sc.(CBZ)	Acharya Nagarjuna University	2008	First	64.5%
INTERMEDIATE	Board of Intermediate Education	2004	First	67.2%
S. S. C.	Board of Secondary Education	2001	First	69.1%

Department : Zoology

Title of the thesis: **Impact of Botanical Extracts on the Incidence of Major Pest (Tukra) in Mulberry leaves on Biochemical and Cocoon Parameters of Silkworm, *Bombyx mori* L.**

Institution : Acharya Nagarjuna University, Guntur.

Teaching experience :

1. Working as assistant professor, department of zoology, PB Siddhartha college of Arts & Science, Vijayawada from april-2021..
2. 2. Worked as a lecturer of Zoology in KBN college from 2019 to 2021.
3. Worked as Zoology Faculty for **U.G & P.G** from October, 2014 to March, 2016. Mahatma Gandhi Collge, NGO Colony Road, Guntur.
4. Worked as a Zoology lecturer for Senior & Junior Intermediate students from July, 2007 to March, 2008 in JRR Navodaya Jr College, Gurazala.

Training undergone : Trained at state institute of fisheries technology, Kakinada, Govt of A.P
Technical skills : DCA (Diploma in computer Applications)
Languages known : English, Hindi & Telugu

Molecular Biology Techniques Known/ Handled:

- DNA Isolation
- RNA Isolation
- PCR (Polymerase Chain Reaction)
- Agarose Gel electrophoresis
- SDS-PAGE Electrophoresis
- Spectrophotometer
- Ultra cooling centrifuge
- Qualitative and quantitative analysis of DNA and RNA.
- Rearing of silkworm
- Isolation of silk protein from silkgland

Papers Published:

1. **Samba Naik.A**, Suresh.B, Ravi babu.B, M.Jagadish Naik, Impact of Botanical Extracts on the Incidence of Major Pest (tukra) in Mulberry leaves on Carbohydrate metabolism in Silkworm, *Bombyx Mori L. Bull. Env. Pharmacol. Life Sci.*, Vol 2 (11) October 2013: 110-114.
2. **Samba Naik, A.** and Jagadish Naik,M. Effect of Botanical Extracts against the Tukra (*Maconellicoccus Hirsutus*) Infested Mulberry on Trehalose and Phosphorylase Activity in Silkworm, *Bombyx Mori L. IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)* Volume 1, Issue 2 (Sep-Oct. 2012), PP 50-53.
3. **A. Samba Naik***, Usha N. and M. Jagadish Naik, Efficacy of Botanical extracts with incidence of tukra Mulberry on histopathology of Silkworm, (*Bombyx mori L.*), *European Journal of Experimental Biology*, 2016, 6(3):94-98
4. **Samba Naik A.***, Srinivas Naik B. and M. Jagadish Naik, screening of medicinal plant extracts against *Beauveria bassiana* infection to vth instar larvae of *bombyx mori l.* *ejpmr*, 2016,3(4), 549-553.
5. **Samba Naik. A**, Ravibabu, M. Jagadish Naik, Efficacy of mangrove plant extracts on protein profiles in silkworm *Bombyx mori.L*, *International journal of Applied biology and Pharmaceutical Technology* 7,(2)pp398-403, 2016.
6. **Samba Naik. A**, Ratnasekhar.P and M. Jagadish Naik Cocoon parameters in the silkworm, *Bombyx mori* on Exposure to Aquoes plant extracts against tukra disease. *Ejbps*,3(5),pp223-227. 2016
7. **Samba Naik A.***, Srinivas Naik B. , Ravibabu.B and M. Jagadish Naik, Effects of mangrove plant extracts against the pink mealy bug (*maconellicoccus hirsutus green*) on aminoacids and enzyme Activity in

silkworm, *bombyx mori*, *ejbps*, 2016, Volume 3, Issue 7, 278-285.

8. MudeJagadish Naik and **Samba Naik,A**, evaluation of effects of botanical extracts against the pink mealybug (*maconellicoccusHirsutus green*) on aminotransferases activity in silkworm, *bombyx mori* L, *International Journal of Science Innovations and Discoveries*, 2012, 2 (5), 491-497.
 9. Jagadish Naik M, **Samba Naik,A**. and Palaindira.P, Effect of Neem seed kernel extract on the incidence of majorpest (tukra) in mulberry leaves on excretory products inSilkworm, *Bombyx mori* L. *Journal of Entomology and Zoology Studies* 2013; 1 (5): 78-81.
 10. Jagadish Naik M, **Samba Naik,A**. and Pala indira, Protein metabolism in silkworm Bombyx mori L. Fed with tukra affected chawki leaves. *Bull.Ind.Acad.Seri.*2012 Vol.16 (2): 11-17.
 11. Jagadish Naik M, **Samba Naik,A**. and Palaindira.P, Effect of botanical extracts against thrips (Pseudodendrothrips mori) infested mulberry on enzyme activity in silkworm, Bombyx mori L.*J.ent.Res.*, 2012, 36(4):295-299.
 12. Mohan Rao.G, **Samba Naik .A**, Sreedhar. S and Jagadish Naik. M, Ameliorative potential of aqueous leaves extract of *Sapindus saponaria*associated metabolic alterations in STZ induced diabetic rats, *European Journal of Experimental Biology*, 2013, 3(6):331-334.
 13. Mohan Rao.G, **Samba Naik .A**, and Jagadish Naik. M, The Effect of Cement Dust Exposure on Haematological Parameters of Cement Factory workers in Nalagonda, Andhra Pradesh. *International Journal of Advancements in Research & Technology*, 2012, 1(5):1-7.
 14. Suresh. B, **Samba Naik A**, Ravi Babu B, Lakshmana Swamy P, Cyril Arun Kumar L, Jagadish Naik. M, Chromium induced phosphatases alterations in selected tissues of fresh water fish *catla catla* (hamilton). *International Journal of Biological & Pharmaceutical Research*. 2013; 4(10): 718-721
 15. B.Ravi Babu, Ratnasekar.p, **Samba Naik.A**, Suresh.B,MadhuPrasad.D.,M.Jagadish Naik, antibacterial, antifungal and anti microbial activity Of annona squamosa in therapeutic use. *International Journal of Medical & Pharmaceutical Sciences Research and Review*. 2013, 1 (3) 1-22.
 16. B.Ravi Babu, Ratnasekar.p, **Samba Naik.A**, Suresh.B,MadhuPrasad.D.,M.Jagadish Naik, estimation of Protein and the role of pyruvate kinaseEnzyme on the development of breast cancer. *International Journal of Medical & Pharmaceutical Sciences Research and Review*.2013, 1 (3): 1-8.
 17. Jagadish Naik.M, and **Samba Naik.A**, Impact of botanical extracts on the incidence of major pest (tukra) in mulberry leaves on protein profiles in Silkworm, *Bombyx mori* L. *Elixir Appl. Zoology* 79 (2015) 30304-30308
 18. Jagadish Naik.M, and **Samba Naik.A**, Impact of botanical extracts on histopathalofy of silkworm Bombyxmori L. *Journal of Experimental Biology and Agricultural Sciences*, june - 2015; Volume – 3(3): 281-287
 19. Venganna.P, **Samba Naik. A**. & M. Jagadish naik, SYNTHETIC FEED ADDITIVESONFECUNDITY AND FERTILIZATION OF DIFFERENT FISH(*C.CATLA*, *L. ROHITA*, *C.MRIGALA*) SPECIES, *International Journal of Current Advanced Research Vol 4, Issue 8, pp 313-316, August 2*
 20. M. Jagadish Naik and **A. Samba Naik**, PESTICIDIAL ORIGIN OF BOTANICAL EXTRACTS WITH INCIDENCE OF TUKRA MULBERRYON HISTOPATHOLOGY OF SILKWORM, (*BOMBYX MORI* L.), *International Journal of Current Advanced Research, Vol 4, Issue 8, pp 309-312, August 2015*
-

Seminars:

1. Presented a paper in Indian science congress-101 held at university of Jammu, Jammu from February 3 to 7, 2014 paper entitled “Effect of Medicinal plant Extracts against Mealybug (*Maconellicoccus hirsutus* (Green) infested Mulberry on Pyruvate & Lactate activities in Silkworm, *Bombyx mori* L”.
2. Presented a paper in Indian science congress-100 held at university of Calcutta, Kolkata from January 3 to 7, 2013, paper entitled Effect of botanical Extracts against Mealybug (*Maconellicoccus hirsutus* (Green) infested Mulberry on protein metabolism in Silkworm, *Bombyx mori* L”.
3. Participated in AP Science Congress, November 14-16, 2012, held at Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, and A.P. India.
4. Presented a paper two-day national seminar on Environmental Protection and Management, held at department of zoology, Yogivemana University, February, 14th -15th 2014 paper entitled “Effect of Neem seed kernel extract on the incidence of majorpest (tukra) in mulberry leaves on excretory products inSilkworm, *Bombyx mori* L.”
5. Presented a paper in National seminar on Aquatic Toxicology, Biodiversity and Aquaculture, held at department of Zoology, acharya nagarjuna University, Guntur, November, 15-17, 2013. Paper entitled “Impact of botanical extracts on the incidence of major pest (tukra) in mulberry leaves on carbohydrate metabolism in silkworm, *Bombyx mori* L.
6. Presented a paper in International Conference on Environmental Impact on Human health and Therapeutic Challenges, held at department of Virology, S.V. University, Tirupati, A.p., India, December 20-22, 2012. Paper entitled “Effect of botanical extracts against Tukra (*Macanelllicoccus hirstus* (Green) in fested mulberry leaves on enzymatic activity in silkworm *Bombyx mori* L.”
7. Presented a paper in UGC National Seminar on RECENT TRENDS FOR SUSTAINABLE SERICULTURE, 5th-6th, March, 2012, held at Sri padmavati Mahila University, Department of Sericulture, Tirupati, A.p., India. Paper entitled “Effect of Botanical Extracts against the Tukra (*Maconellicoccus hirsutus* (Green) infested Mulberry on Trehalose and Phosphorylase activity in Silkworm, *Bombyx mori* L.
8. Participated in National Seminar on Climate changes-A Challenges to Sustainable Development, held at department of Zoology, K.B.N. College (Autonomous), Vijayawada, A.P., India. November 29th -30th, 2012.
9. Presented a paper in National seminar on Renewable Energies, Ecosystems and Sustainable Environmental Management, held at department of Environmental Sciences, Acharya Nagarjuna University, Guntur, A.P., India. February 20th-21st, 2014. Paper entitled “Effect of neem kernel extract on the incidence of majorpest (tukra) in mulberry leaves on enzymatic activity in silkworm *bombyx mori* L.”
10. Participate in National workshop on Molecular Diagnostics for Identification of Microorganisms in Aquaculture, held at department of Marine Biology, Vikrama Simhapuri University, Nellore, November 27-29, 2013.

11. Participate in National Seminar cum workshop on Bioinformatics: Basic and Languages, organized by DBT- Bioinformatics Infrastructure facility (BIF) programme, department of Biotechnology, Acharya Nagarjuna University, Guntur, A.P., India. March 27-29, 2012.
12. Paper presented in National Seminar On Advances in Hygiene Sciences, Biodiversity & aquatic Toxicology, held at department of zoology & Aquaculture, Acharya Nagarjuna University, Guntur, A.P., India. December 18th-19th, 2011. Paper entitled "Protein metabolism in silkworm *Bombyx mori* L. with botanical extracts tukra disease in mulberry leaves."
13. Participate in the national seminar on Food security: Organic farming The Need of Hour, held at department of Chemistry Hindu College, Guntur, A.P., India. November 5th-6th, 2011.
14. Participate in the national seminar on New Frontiers In Chemical Research, held at department of Chemistry, Acharya Nagarjuna University, Guntur, A.P., India. November 2011.
15. Participate in the national seminar on National Seminar on Environment and Sustainable Development, held at department of Environmental Sciences, Acharya Nagarjuna University, Guntur, A.P., India. October 28th-29th, 2011.
16. Participate in the national Conference on Emerging Trends in Biotechnology & Annual Meeting of Society for Biotechnologists(India), organized by department of Biotechnology, Acharya Nagarjuna University, Guntur, A.P., India. September 24-26, 2011.
17. Participate in the national Seminar on Aquatic Toxicology & Biodiversity, organized by department of Zoology & Aquaculture, Acharya Nagarjuna University, Guntur, A.P., India. February 18-20, 2010.
18. Participate in training programme on Fisheries Expositive Visit, organized at State Institute Of Fisheries Technology(SIFT), Kakinada, A.P., India. August 24-27, 2009
19. Participate in the national Seminar on Recent Advances In Veterinary and Fisheries Sciences and Biodiversity, organized by department of Zoology & Aquaculture, Acharya Nagarjuna University, Guntur, A.P., India. February, 12-14, 2009.
20. Participate in the Seminar on the Importance of Renewable Energy for future Generations, organized by department of Environmental Sciences, Acharya Nagarjuna University, Guntur, A.P., India. August, 20th, 2008.
21. Participate in the Seminar on the Trends in Biochemistry, organized by department of Biochemistry, Acharya Nagarjuna University, Guntur, A.P., and India. October, 17- 18, 2014.
22. Presented a paper in the 6th Indian youth science congress, organized by Acharya Nagarjuna University, Guntur, A.P., and India. Jan 19-21, 2015

Research Experience: 3 Years

Worked as a project fellow (from 29/03/2011 to 25/02/2014) in UGC-MRP titled "Studies on enzymatic activity, protein assay and histological changes in bivoltine breeds of silkworm *Bombyx mori*L, fed with tukra affected mulberry leaves

(Dr. A.SAMBA NAIK)