

## CURRICULUM VITAE

**Name:** Dr. Shivayogeeswar. E. Neelagund

**Designation:** Professor

**Date of birth:** 15<sup>th</sup> September 1972

**Department:** Biochemistry

**University:** Kuvempu University



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### **Educational Qualification**

Sl. No	Name of the Degree	University /Institution	Degree Awarded
01	Ph. D	Karnatak University,Dharwad	July 2003
02	Post Graduate Degree (M.Sc.)	Karnatak University,Dharwad	April 1996
03	Under Graduate Degree (B.Sc.)	Karnatak University,Dharwad	April 1994
04	Post graduate diploma in computer applications (PGDCA)	Karnatak University,Dharwad	April 2000
05	Post-doctoral studies	United states of America Pen state university, Pennsylvania.	2015

**Professional Training**

Nature of the Programme	Period		Institution
	From	To	
Refresher course on Personality development and soft skills	17-02-2017	09-03-2017	HRDC, University of Mysore
Refresher course on Biodiversity conservation and its applications	12-11-2009	02-12-2009	Department of Zoology, Kuvempu University
Computer concepts, Operating system and Internet	03-12-2009	04-12-2009	Department of computer Science, Kuvempu University
Orientation program	03-01-2008	30-01-2008	UGC Sponsored Orientation Program, University of Mysore

**Administrative Experience**

University/ Department	Position held*	Period	
		From	To
Kuvempu University	Special Officer to Vice Chancellor	January 2020	Aug 2022
Biochemistry	Chairman	01-02-2020	18-06-2022
Biochemistry	Chairman in charge	27-04-2009	20-08-2009
Biochemistry	Chairman in charge	29-05-2008	27-07-2008
Biochemistry	Chairman BOS	15-11-2018	2021
Biochemistry	Chairman BOE	2009,2012,2014,2017, 2021-2025	
Biochemistry	Member BOS and BOE for Kuvempu University, Davanagere University, KarnatakUniversity Dharwad, Bangalore University and Mysore university.	01-01-2007	Till date
Biochemistry	Chairman BOE for Degree	15-01-2018	24-01-2020
Biochemistry	Chairman BOS for degree	5-10-2018	2021
Food Technology	Chairman	12-11-2021	2024
Food Technology	Chairman BOS	05-01-2022	2024
Food Technology	Chairman BOE	12-09-2022	2021,2023-2024
Eat Right campus at Kuvempu University	Nodal Officer	23-8-2022	Till date

## **Work Experience**

- ❖ Working as **Professor** in the Department of Biochemistry, Kuvempu University, Shankargahatta, Shivamogga since **Oct 2020**.
- ❖ Worked as **Post-doctoral fellow** in Penn state university, USA.
- ❖ Working as **Associate professor** in the Department of Biochemistry, Kuvempu University, Shankargahatta, Shivamogga Oct 2017 to Oct 2020.
- ❖ Worked as **Assistant professor** in the Department of Biochemistry, Kuvempu University, Shankargahatta, Shivamogga from **Oct, 2006 to 2017**.
- ❖ Worked as **Forensic scientist**, in Forensic Science Laboratory, Madiwala, Bangalore for **three years**.
- ❖ Worked in **Research and Development Department** of Biocon Limited, Bangalore, for **six months**
- ❖ Worked as **Guest lecturer** in PG department of Biochemistry, Karnatak university, Dharwad for **two years**.
- ❖ Worked as a **Guest lecturer** in PG Department of Microbiology, Karnatak University, Dharwad for **one year**.
- ❖ Worked as member for Annual Report Editorial board of Kuvempu University.

## **Research Experience: 24 years**

### **Research**

- ❖ Number of PhDs guided successfully: **14**
- ❖ Number of PhD students working: **05**
- ❖ Number of papers published: in Reputed international journals: **98**
- ❖ Number of Research projects completed: **04**
- ❖ Number of Research Projects Guided: **1200**
- ❖ Number of paper/posters presented in national conference: **125**
- ❖ Number of paper/posters presented in international conference: **06**
- ❖ Countries visited for the purpose of research collaboration and conferences are **USA, Germany, China, Hong Kong, and Singapore**
- ❖ i10 index-32, h index-17 & Number of Citation – 1600.
- ❖ Number of Conferences and National seminars conducted: **8**

## **Awards**

1. **Young Scientist award** from Vision Group of Science and Technology (VGST) in **2012**, for remarkable achievement in research within 40 years of age group. Central Govt.
2. **Sir C V Raman fellowship award** from UGC Central Govt. prestigious award in **2014**, for conducting one-year research in USA. Central Govt.
3. **Best researcher award** among young Scientist Group in **2011**, from State Govt.
4. **Outstanding research award** of INSO HRD ministry, Govt of India in 2024

## **Ongoing research in our Laboratory**

- ❖ Enzymes biochemistry and Nanobiotechnology.
- ❖ Investigation on bioactive proteins/lectin from silkworm fecal matter, fungal and other microbial sources.
- ❖ Production and characterization of antibiotics in Solid State fermentation using Agro industrial waste.
- ❖ Evaluation of various toxicants (toxic substances) from animal tissues and human Forensic samples.
- ❖ Biochemical studies on genotoxicity and gonadotoxic effect among the users of hormonal contraceptives and hormonal replacement therapy.
- ❖ Phytochemistry of medicinal plants.

## **Important Research Publications**

1. Kelkar, P., Kumbar, V., Aladakatti, R., Dodamani, S., Sadhashiv, S. O., Ghagane, S., & Neelagund, S. (2024). Potential of seaweed *Ulva fasciata* and its derived compounds against prostate cancer- A mini review. *Journal Name*, 55, 1-7.
2. Rajashekarappa, K. K., Basavarajappa, A., Neelagund, S. E., Mahadevan, G. D., Achur, R. N., & Kumar, P. (2024). Propitious catalytic response of immobilized  $\alpha$ -amylase from *Geobacillus thermoleovorans* in modified APTES-Fe<sub>3</sub>O<sub>4</sub> NPs for industrial bio-processing. *International Journal of Biological Macromolecules*, 269, 132021.
3. Manoj, S. P., Neelagund, S. E., Kumar, M. V., Chethan, H. M., Kiran, K. V., & Deekshith, H. V. (2024). Promoting the nutrition and sensory properties of herbal candy using *Psydrax umbellata* leaf extract. *Journal of Chemical Health Risks*, 14(6), 1566-1573. <https://www.jchr.org>
4. Manoj, S. P., Neelagund, S. E., Krishnamurthy, M. S., & Bhandari, K. T. (2024). Investigation of antimicrobial and antioxidant active principles from *Psydrax umbellata* leaf extract. *African Journal of Biomedical Research*, 27(4s), 01-10. <https://africanjournalofbiomedicalresearch.com/index.php/AJBR>.

5. Manoj, S. P., Neelagund, S. E., Malatesh, J. M., Raju, H. R., Sanjay, R. K., Chandana, G. P., & Pallavi, B. K. (2024). Integrating coffee byproducts into food and beverages: Impact on nutritional value, sensory experience, and consumer acceptance. *Frontiers in Health Informatics*, 13(7), 52-60.
6. Rajashekarappa, K., Kumar, P., Basavarajappa, A., Neelagund, S., Mahadevan, G., & Kotresh, K. R. (2024). Production of industry-viable thermo-amylase from *Geobacillus stearothermophilus* KTRAM using agricultural by-product as a substrate. *Industrial Biotechnology*, 20. <https://doi.org/10.1089/ind.2024.0018>.
7. Ashwini, D., Sanjana, V., Neelagund, S., Sandeepa, N., Sneha, S., & Ajay, R. (2024). Mitigating waste through valorization of waffle cones: Exploring the potential of banana peel and jackfruit seeds in sustainable waste management solutions. *International Journal of Innovative Science and Research Technology (IJISRT)*, 474-481. <https://doi.org/10.38124/ijisrt/IJISRT24SEP818>.
8. Sathyanarayana, M., Neelagund, S. E., Hanock, A. A., Nayana, B. K., Rakshitha, H. M., & Nayaka, S. S. (2024). Phytochemical isolation and characterization of a potent food colorant from *Garcinia mangostana* peel. *International Journal of Pharmaceutical Research and Applications*, 9(4), 1239–1250. <https://www.ijprajournal.com>
9. Sathyanarayana, M., Nayaka, S. S., Hanock, A. A., Nayana, B. K., Rakshitha, H. M., & Neelagund, S. E. (2024). Development of natural food colorants from mangosteen peel for enhancing nutritional and sensory profiles of white chocolate and cookies. *Journal of Chemical Health Risks*, 14(6), 206–217. <https://www.jchr.org>
10. Sathyanarayana, M., Neelagund, S. E., Hanumanthnaik, D., Banu, S., Gowri, H. K., & Vaishnavi, C. N. (2024). Antibacterial efficiency of *Clitoria ternatea* flower aqueous extract and its phytochemical analysis. *Natural Volatiles & Essential Oils*, 11(1), 38–4838.
11. Ashwini, H. D., Sanjana, V., Neelgund, S. E., Jayashree, R., & Gowda, L. N. (2024). Formulation of gluten-free nutrient-rich pasta: The Kodo millet advantage. *Journal of Emerging Technologies and Innovative Research (JETIR)*, 11(9). Retrieved from <https://www.jetir.org>.
12. Rajashekarappa, K. K., Basavarajappa, A., **Neelagund, S. E.**, Mahadevan, G. D., Achur, R. N., & Kumar, P. (2024). Propitious catalytic response of immobilized  $\alpha$ -amylase from *G. thermoleovorans* in modified APTES-Fe<sub>3</sub>O<sub>4</sub> NPs for industrial bio-processing. *International Journal of Biological Macromolecules*, 269.
13. Meti, R. S., **Neelagund, S. E.**, Urs, D., Dharmappa, K. K., & Kotresh, K. R. (2023). Green synthesis of silver nanoparticles from *Acacia sinuata* seed extract and evaluation of their mosquitocidal and anticancer (Caco-2 and MG-63 cell) activity. *Biomass Conversion and Biorefinery*, 1-10.
14. The Nutritional Analysis, Sensory Evaluation, Physico-Chemical Changes depending on the Packaging Material, and Bactericidal Potential of Camel Milk Peda Sachin S Nayaka , Darshan D , Ruthu H M , Archana B A , **S E Neelgund**, V Krishna, Volume 12, Issue 11, November 2023.

15. Tabasum, H., **Neelagund, S. E.**, Kotresh, K. R., Gowtham, M. D., & Sulochana, N. (2023). GC–MS/MS analysis of chlorpyrifos in forensic samples with varied survival time. *Forensic Science, Medicine and Pathology*, 1-9.
16. Meti, R. S., **Neelagund, S. E.**, Urs, D., Dharmappa, K. K., & Kotresh, K. R. (2023). Biosynthesis, mosquito larvicidal potential, and anticancer activities of gold nanoparticles from *Acacia sinuata* seed extract. *Biomedicine*, 43(02), 684-689.
17. Sathyanarayana, M., **Neelagund, S. E.**, Hegde, R., & Sajjan, D. B. (2023). Genomic variations and mutational analysis of South Indian isolates of BmNPV.
18. Pharma, Der & Sathyanarayana, Madhuri & Basavarajappa, Avinash & Rajashekarappa, Kotresh & **Neelagund, Shivayogeeswar**. (2023). ISSN 0975-413X CODEN (USA): PCHHAX A Network Pharmacology-Based Prediction and Verification of the Major Protein Targets of Bmnpv Obtained from Modern Sequencing Technology against Plant Active Ingredients. *Der Pharma Chemica*. 5. 11-20. 10.4172/0975-413X.15.2.11-20.
19. Basavarajappa, Avinash & Rajashekhar, & SinchanaMurugaraj, & **Neelagund, Shivayogeeswar**. (2022). MICROWAVE ASSISTED SYNTHESIS OF VATERIA INDICA MEDIATED AgNPs; A STUDY ON ANTIBACTERIAL MECHANISM AND ANTIOXIDANT EFFICACY.
20. Tabasum, H., **Neelagund, S. E.**, Kotresh, K. R., Gowtham, M. D., & Sulochana, N. (2022). Estimation of chlorpyrifos distribution in forensic visceral samples and body fluids using LCMS method. *Journal of Forensic and Legal Medicine*, 91, 102423.
21. Rajashekhar, & Basavarajappa, Avinash & **Neelagund, Shivayogeeswar**. (2022). Immobilization of thermostable amylase on to magnetite nanoparticles: to enhance the sustainability.
22. Basavarajappa, Avinash & Rajashekhar, & **Neelagund, Shivayogeeswar**. (2022). Coconut's Bud Rot by *Phytophthora palmivora*: A Destructive Disease. *Open Access Journal of Mycology & Mycological Sciences*. 5. 1-6. 10.23880/oajmms-16000162.
23. Kr, Kotresh & **Neelagund, Shivayogeeswar** & Basavarajappa, Avinash. (2022). *Open Access Journal of Mycology & Mycological Sciences Committed to Create Value for Researchers Coconut's Bud Rot by Phytophthora palmivora: A Destructive Disease J Mycol Mycological Sci Coconut's Bud Rot by Phytophthora palmivora: A Destructive Disease.*
24. Tabasum, H., **Neelagund, S. E.**, Kotresh, K. R., Avinash, B., Gowtham, M. D., & Sulochana, N. (2022). Double deaths due to domestic carbon monoxide poisoning correlated with medicolegal autopsy and laboratory studies. *Biomedicine*, 42(2), 405-409.
25. Rajashekarappa, K. K., Mahadevan, G. D., **Neelagund, S. E.**, Sathynarayana, M., Vijaya, D., & Mulla, S. I. (2022). Decolorization of amaranth RI and fast red E azo dyes by thermophilic *Geobacillus thermoleovorans* KNG 112. *Journal of Chemical Technology & Biotechnology*, 97(2), 482-489.
26. Basavarajappa, Avinash & **Neelagund, Shivayogeeswar**. (2021). Isolation, Identification and Characterization of Fungus causing Coconut's Bud Rot Disease: Inhibition using Silkworm Fecal Matter Mediated Synthesized Nanoparticles. 04. 01-09.

27. Mycol, J & Sci, Mycological & **Neelagund, Shivayogeeswar**. (2021). Open Access Journal of Mycology & Mycological Sciences Committed to Create Value for Researchers Isolation, Identification and Characterization of Fungus causing Coconut's Bud Rot Disease: Inhibition using Silkworm Fecal Matter Mediated Synthesized Nanoparticles Isolation, Identification and Characterization of Fungus causing Coconut's Bud Rot Disease: Inhibition using Silkworm Fecal Matter Mediated Synthesized Nanoparticles.
28. Meti, Rajkumar & **Neelagund, Shivayogeeswar** & Mahadevan, Gurumurthy. (2020). Novel Thermophilic microorganisms And Their Industrial Applications.
29. Meti, Rajkumar & **Neelagund, Shivayogeeswar** & Nerli, Rajendra. (2020). Recent advances in hypospadias: epidemiology, diagnosis and treatment.
30. Cyanoxanthomycin, A bacterial antimicrobial compound extracted from thermophilic *geobacillus* sp. Iso 5. Dummi M Gurumurthy, T P Charanraj, Basheera begum Faniband, Preethi N thellur, Zabin K Bagevadi, **Shivayogeeswar E Neelagund**, Sikhander I Mulla. Jordarn journal of Biological Science 2020; 13(1): 725 – 729.
31. Antimicrobial and radical scavenging activity of *citrus latifolia* peels extract. Madhuri Sathyanarayana, **S. E. Neelagund**, Kajal Rai. *Journal of Pharmaceutical and Scientific Innovation* 2020; 9(3):71-76.
32. Srinivas, M., Sulochana, N., Ramesh, G., Rajegowda, H., Mahadevan, K., & **Neelagund, S.** (2020). Synthesis, Characterization, Photoluminescence Property of Al(III) Schiff Base Complexes and Their Applications in Forensic Fingerprint and Dye Sensitized Solar Cells. *Asian Journal of Chemistry*, 32(6), 1427–1432. <https://doi.org/10.14233/ajchem.2020.22576>.
33. **Neelagund, Shivayogeeswar**. (2020). Novel thermophilic microorganisms.
34. **Neelagund, Shivayogeeswar**. (2020). Novel nanoparticles from silk worm.
35. **Neelagund, Shivayogeeswar** & Meti, Rajkumar & Chikkanna, Mahesh. (2020). Novel Metal oxide Nanoparticles.
36. Anaerobic digestion process for the treatment of high brix distillary spentwash. Govind P Misale, **S. E. Neelgund**. *International Journal of Fermented Foods* 2019;8(2):79-83.
37. Lymphocele Complications Following Renal Transplantation. Rajendra B. Nerli, Deole Sushant1, Shridhar C. Ghagane, Sreeharsha Nutalpati, Shyam Mohan, Neeraj S. Dixit, **Shivayogeeswar Neelagund**, Murigendra B. Hiremath. An Official Publication of Indian Society of Organ Transplantation. *Indian J Transplant* 2019;13: 273-6.

38. Novel *Geobacillus Thermoleovarans* KNG 112 thermophilic bacteria from bandaru hot spring: a potential producer of thermostable enzymes. Kotresh K.R, **Shivayogeeswar Neelgund**, Gurumurthy D.M. *Asian Journal of Pharmaceuticals and Clinical Research* 2019.13;134-141.
39. Isolation and screening of yeast from sources such as grapes, corn, curd, water sample 1 & 2. Govind P Misale, **S.E. Neelgund**, Vijendra singh, S.V. Patil, *International Journal of Scientific Research and Reviews* 2019.8(2); 931-937.
40. Sathyanarayana, Madhuri & **Neelagund, Shivayogeeswar**. (2019). Anti-oxidant, anti-diabetic activity and DNA damage inhibition activity of carissa carandas fruit. *International Journal of Development Research*. 4. 75-82.
41. Recurrent vesicovaginal fistula: Our experience. R. B. Nerli, Abhijit Musale, Shridhar C. Ghagane, Sushant Deole, **Shivayogi E. Neelagund**, Murigendra B. Hiremath, Neeraj S. Dixit Recurrent vesicovaginal fistula: Our experience. *Indian J Health Sci Biomed Res* 2019.12; 75-8.
42. Green synthesis of Zinc oxide nanoparticles (ZnO NPs) and their biological activity. Mahesh Midatharahalli Chikkanna, **Shivayogeeswar E. Neelagund**, Kotresh K. Rajashekarappa, *SN Applied Sciences* 2019. 1;117.
43. Nerli, Rajendra & Sushant, Deole & Ghagane, Shridhar & Nutalapati, Sreeharsha & Mohan, Shyam & Dixit, Neeraj & **Neelagund, Shivayogeeswar** & Hiremath, Murigendra. (2019). Lymphocele complications following renal transplantation. *Indian Journal of Transplantation*. 13. 273. 10.4103/ijot.ijot\_33\_19.
44. Promotion of alcohol production using high gravity fed batch alcoholic fermentation through novel yeast strain. Govinda misale, **S. E. Neelgund**, S.V. Patil, vijendrasingh. *International journal of scientific research in biological sciences* 2018.5(6); 34-39.
45. Immobilization of Hyperthermostable  $\alpha$ -amylase using Magnetite( $\text{Fe}_3\text{O}_4$ ) nanoparticle to promote the properties for industrial applications, K R Kotresh, **S E Neelagund**, M C Mahesh & Avinash B, *Journal of Bionanoscience* 2018.12(01), 682- 688.



46. Biological synthesis, characterization and antibacterial activity of novel copper oxide nanoparticles (CuONPs). Mahesh Midatharahalli Chikkanna, **Shivayogeeswar Neelgund**, Murigendra B Hiremath. *Journal of bionanosciences* 2018.12; 1-8.
47. Effect of sheep and goat fecal mediated synthesis and characterization of silver nanoparticles (AgNPs) and their antibacterial effect. Mahesh Midatharahalli Chikkanna, **Shivayogeeswar Neelgund**, *Journal of Nanofluids* 2018.7(2); 1-7.
48. Anogenital distance in males attending assisted reproduction center. R.B.Nerli, Sridhar.C. Ghagane, Murigendra B. Hiremath, Neeraj.S.Dixit, **Shiyogeeswar Neelgund**.
49. An investigation on antibacterial and free radical scavenging efficacy of biosynthesized silver nanoparticles using silkworm fecal matter (*Bombyx mori-L*). Avinash B and **S E Neelagund**. *Journal of Bionanoscience* 2017.11; 592-598.
50. Impedimetric analysis of interaction between DNA and phytochemical constituents of *Calotropis procera* for pre-clinical evaluation. Seetharamaiah Nalini, Seetharamaiah Nandini, **Shivayogeeswar E. Neelagund**, Jose Savio Melo, Gurukar Shivappa Suresh. *Advanced materials letters* 2017.1484.
51. In vitro antioxidant and anticancer activity of *Leea indica* leaf extracts on human prostate cancer cell lines. Shridhar C. Ghagane, Sridevi I. Puranik, Vijay M. Kumbar, Rajendra B. Nerli, Sunil S. Jalalpure, Murigendra B. Hiremath, **Shivayogeeswar Neelagund**, Ravindranath Aladakatti. *Integrative Medicine Research* 2017.12; 01-08.
52. An Investigation on Antibacterial Efficacy of Biosynthesized Novel Copper nanoparticles using Silkworm fecal matter. Avinash Basavarajappa & **Shivayogeeswar E Neelagund**. *Imperial Journal of Interdisciplinary Research (IJIR)* 2016.2(12); 2454-1362.

53. CD36 Regulates Malaria-induced Immune Responses Primarily at Early Blood Stage Infection Contributing to Parasitemia Control and Resistance to Mortality.  
Ramesh P. Thylur, Xianzhu Wu, Nagaraj M. Gowda, Kishore Punmath, **Shivayogeeshwara E. Neelgund**, Maria Febbraio, and D. Channe Gowda. *Journal of biological chemistry* 2016. 32(01); 4081-4092.
54. A novel bioassay based gold nanoribbon biosensor to aid the preclinical evaluation of anticancer properties. Seetharamaiah Nalini, Seetharamaiah Nandini, M. B. Madhusudana Reddy, Gurukar Shivappa Suresh, Jose Savio Melo, **Shivayogeeshwar E. Neelagund**, Hunasepalya Nagaiah Naveen Kumar and Sangaraj Shanmugam. *RSC advances* 2016,1(6); 60693-60703.
55. An electrochemical perspective assay for anticancer activity of calotropisprocera against glioblastoma cell line (LN-18) using Carbon nanotubes-graphenenano-conglomerate as a podium. Seetharamaiah Nalini, Seetharamaiah Nandini, Gurukar Shivappa Suresh, Jose Savio Melo, **Shivayogeeshwar E Neelagund**, Hunasepalya Nagaiah Naveen Kumar, JakkidSanetuntikul, Sangaraju Shanmugam. *Advanced Materials Letters* 2016.7(12); 1003-1009.
56. Optimization of key process variables for enhanced rifamycin b production in solid state fermentation by amycolatopsismediterrane MTCC 14 using statistical methods, Jayatheertha S Lokapur, Basavaraj .M.Vastrad, **Shivayogeeshwar .E. Neelagund**, Anandkumar R Tengli. *International Journal of Advances in Biology* (IJAB), AIRCC Publishing Corporation 2015.2; 1-8.
57. Improved rifamycin B production by Nocardia mediterranei MTCC 14 under solid-state fermentation through process optimization, Venkatrao Kulkarni, Basavaraj M. Vastrad, **Shivayogeshwar E. Neelagund**, Sudhir R. Iiger, Ajeet M. Godbole. *Biochemistry Research International*, Hindawi Publishing Corporation 2014.28(03); 23-29.
58. Optimization of Medium Composition for the Production of Neomycin by *Streptomyces fradiae* NCIM 2418 in Solid State Fermentation. Vastrad B.M. and **Neelgund S.E.** *Hindawi Publishing Corporation Biotechnology Research International* 2014.03; 1-11.

59. Statistical based media Optimization and production of Clavulanic acid by solid state Fermentation in jackfruit seed Powder as novel substrate using *Streptomyces clavuligerus*mtcc 1142. Vastrad B.M. and **Neelgund S.E.** *Bioscience & Engineering: An International Journal* 2014. 1(1); 1-06.
  
60. Optimizing the medium conditions for production of tetracycline by solid state fermentation of *Streptomyces aureofaciens*NCIM 2417 using statistical experimental methods. Vastrad B.M. and **Neelgund S.E.** *Bioscience & Engineering: An International Journal* 2014.1(4);1-08.
  
61. Amperometric hydrogen peroxide and cholesterol biosensors designed by using hierarchical curtailed silver flowers functionalized graphene and enzymes deposits. Seetharamaiah Nalini, Seetharamaiah Nandini, Sangaraju Shanmugam, **Shivayogeeswar E Neelagund**, Jose SavioMelo, Gurukar Shivappa Suresh. *Journal of Solid State Electrochemistry*. Springer Berlin Heidelberg 2014.18/3(17); 685-701.
  
62. Thermostable lipase from *Geobacillus* sp. Iso5: Bioseparation, characterization and native structural studies. Gurusurthy D. Mahadevan and **Shivayogeeswara E. Neelagund**. *J. Basic. Microbiol* 2013. 9999(18); 1-11.
  
63. Immobilization of halophilic lipase from *Bacillus Cereus* MS6Bacteria and its characterization. Mohammed M. Abdu Al-ZaZae, **Neelgund S.E.**, and Rajeshwara
  
64. Electrochemical biosensor for the selective determination of hydrogen peroxide based on the codeposition of palladium, horseradish peroxidase on functionalized-graphene. Seetharamaiah nandini, seetharamaiah nalini, revanasiddappa manjunatha, sangaraju sanmugam, **Neelgund S. E**, Jose savior melo, gurukar shivappa suresh. *Jounal of elctro analytical chemistry* 2013. 689; 233-242.
  
65. Antioxidant Properties of the Peptides Isolated from *Ganoderma lucidum* Fruiting Body. Vinay G.U, **Neelagund S.E**, and Krishnappa M. *Int J Pept Res Ther*2012.18(4); 319-325.

66. Biochemical Characterization of Novel Bioactive Protein from Silkworm(*Bombyxmori* L) Fecal Matter. Raghavendra R and **Neelgund S.E.** *Appl Biochem Biotechnol* 2012;16(7); 1002–1014.
67. Molecular characterization of industrially viable extreme thermostable novel  $\alpha$ - amylase of *Geobacillus* sp Iso5 isolated from geothermal spring. Gurumurthy D.M and **Neelgund S E.** *J. Pure. Appl. Microbiol* 2012.6(4); 1759 –1773.
68. Optimization of Process Parameters for Rifamycin B Production Under Solid State fermentation from *Amycolatopsis Mediterranean* MTCC 14. Vastrad B.M. and **Neelgund S. E.** *International Journal of Current Pharmaceutical Research* 2012.4(2), 101-108.
69. Optimization and Production of Neomycin from Different Agro Industrial Wastes in Solid State Fermentation, Vastrad B.M. and **Neelgund S. E.** *International Journal of Pharmaceutical Sciences and Drug Research* 2011.3(2); 104-111.
70. Production and Optimization of Tetracycline by various strains of *Streptomyces* under solid state Fermentation using Pineapple peel as a novel substrate, Vastrad B.M. and **Neelgund S. E.** *Recent Research in Science and Technology* 2011.3(2); 01-08.
71. Biochemical Characterization of Antiviral Protein from Silk Worm Fecal Matter, *Bombyx Mori* (L) **Neelgund S. E.** and Hinchigeri S.B. *Recent Research in Science and Technology* 2011.3(2); 47-53.
72. Apple pomice and orange peel as support for solid state fermentation to produce tetracycline from *Streptomyces Remosus*ncim 2213, Vastrad B.M. and **Neelgund S.**
73. Immobilization of Halophilic $\alpha$ -Amylase from *Bacillus Cereus* MS6 Bacteria and its Characterization. Mohammed M. Abdu Al-ZaZae, **Neelgund S. E** and Rajeshwara A.N. *International Journal of Applied Biotechnology and Biochemistry* 2011.1(4); 361-374.

74. *Ganoderma lucidum*: A Source for Novel Bioactive Lectin. Vinay G.U, **Neelagund S. E**, and Krishnappa M. *Protein and Peptide letters* 2011.18(12); 1150-1157.
75. Identification, Characterization of Novel Halophilic *Bacillus Cereus Ms6*: a Source for Extra Cellular A-Amylase, Mohammed M. Abdu Al-ZaZae, **Neelgund S. E**, Gurumurthy D.M and Rajeshwara A.N. *Advances in Environmental Biology* 2011.5(5); 992-999.
76. Staged buccal mucosa urethroplasty in reoperative hypospadias. Nerli R. B, **Neelgund S. E**, Ajay Guntaka, Shivagouda Patil, Siddayya C. Hiremath, Sujata M. Jali, Ritesh Vernekar, Murigendr B. Hiremath. *Indian Journal of Urology* 2011. 27(2); 194-197.
77. Solitary urethrocutaneous fistula managed by patio repair, Nerli R.B, Metgud T, Bindu S., Guntaka A, Patil S, **Neelgund S. E**, and Hiremath M.B. *Journal of Pediatric Urology* 2011.7(07); 166-169.
78. Maternal Risk Factors Associated with Hypospadias. Nerli R.B, Bindu S, Guntaka A.K, Patil S.M, **Neelgund S E**, Hiremath M.B. *Recent Research in Science and Technology*. 2010.2(8); 30-34.
79. *Geobacillus* species Iso 5, a novel amylase-producing thermophile from thermal springs in Konkan region of southern India. Guru Murthy D.M. and **Neelgund S. E**. *Journal of earth science* 2010.21(01); 319-322.
80. Protective effect of partially purified 35 kDa protein from silk worm (*Bombyx mori*. L) Fecal matter on carbon tetrachloride induced hepatotoxicity and *in vitro* anti-viral properties. Raghavendra R., **Neelgund S. E**., Gouthamchandra Kuluvar, Veerakyathappa Bhanuprakash, and Yogisharadhya Revanaiah.. *Pharmaceutical Biology* 2010.48(12); 1–6.

81. Pesticide use in India: etiology of hypospadias. **Neelgund S. E.** and M.B Hiremath.  
19. R. B. Nerli. *KLESH Lifeline* 2010. 18; 15-21.
82. Partial purification and Biochemical characterization of antimicrobial and analgesic novel bioactive protein (substances) from silkworm (*Bombyx mori* Linn.) fecal matter. R Raghavendra and **S E Neelagund**, *Int J Biomed Pharm Sci* 2009. 3; 74-78.
83. Impact of Cypermethrin on enzyme activities in the freshwater fish *Cirrhinus mrigala* (Hamilton). MS Prashanth, **S E Neelagund**, *Caspian Journal of Environmental Sciences* 2008. 6 (2); 91-95.
84. Behavioural surveillance of Indian major carp *cirrhinus marigala* (Hamilton) exposed to free cyanide. MS Prashanth, **S E Neelagund**, *International journal of applied environmental sciences* 2008. 3(1); 31-36.
85. Free cyanide-induced biochemical changes in nitrogen metabolism of the Indian major carp *Cirrhinus mrigala*. M S Prashanth, **S E Neelagund**, *Journal of basic and clinical physiology and pharmacology*. 2007.18(4); 277-288.
86. Purification and characterization of antiviral protein from silkworm fecal matter. **S E Neelagund**, SS Ingallhalli, CJ Savanurmah, SB Hinchigeri, *Caspian Journal of Environmental Sciences* 2007. 5(2); 77-85.
87. **Neelagund, Shivayogeeswar & Vastrad**, Basavaraj. (2004). Optimizing the medium conditions for production of tetracycline by solid state fermentation of *Streptomyces aureofaciens* NCIM 2417 using statistical experimental methods. *Bioscience & Engineering: An International Journal*, BIOEJ. Vol.1.

### **Books/ Book chapters published**

1. “Novel nanoparticles from silk worm”, Shivayogeeswar Neelagund, Avinash B, Rajakumar Meti. LAMBERT academic publishing 17, 2019, 1- 131.
2. Novel thermophilic microorganism and their industrial applications, Shivayogeeswar Neelagund, Gurumurthy D. LAMBERT academic publishing 120, 2020, 1-177.
3. Recent advances in hypospadias” Shivayogeeswar Neelagund, Rajendra B Nerli, Rajakumar Meti. . LAMBERT academic publishing 17, 2020, 1-103.
4. Green synthesis of novel metal oxides nanoparticles and their biomedical and agrobio applications. Shivayogeeswar Neelagund, Mahesh M C, Rajakumar Meti. LAMBERT academic publishing. 2020.

### **List of Important Conferences participated/chaired/ paper presented**

1. Participated in 88th annual meeting of SBCI and conference on “Advances at the interface of biology and chemistry’ held during 31st October to November 3rd 2019. Organized by Bio-Science group, Bhabha Atomic Research Centre, Trombay, Mumbai.
2. Participated in conference on “emerging trends in forensic science” held during 10th and 11th January 2019. Organized by Directorate of Forensic Science Laboratories, NIMHANS Convention Centre, Bangalore.
3. Participated as invited speaker in national symposium on “recent advances in malarial research” held on 24th February 2018, organized by K.S.Hegde Medical Academy, Nitte, Deralakatte, Mangalore.
4. Participated as a chair In national conference on “advances and innovations in biotechnology” held during 15th and 16th November 2018, organized by School of Basic and Applied sciences, Dayananda Sagar University, Bangalore.
5. Oral presentation at International conference on “multidisciplinary approaches of Science; Nanotechnology – A boon for mankind” held on 18th and 19th September, 2018 at department of Life sciences, School of Sciences, Garden city University, Bangalore.
6. Poster presentation at national conference on “Recent advances in Chemical biology and material science for Industry and Society” held on 9th and 10th February, 2018 at Kuvempu University, Shankarghatta.

7. Participated as a chair in national conference on “Reaching the Unreached through Science and Technology: Recent Advances in Physical, Chemical, Mathematical and Biological Sciences for Energy, Health and Environment” held during 8-9<sup>th</sup> September 2017. Organized by Mangalore University and the Indian Science Congress Association. Mangala Auditorium, Mangalore University, Mangalore.
8. Participated in the work shop on “role of analytical techniques in quality assurance of pharmaceuticals” held on 17<sup>th</sup> January 2017, organized by KLEU’s Dr.Prabhakar Kore basic science research center[BSRC] Belagavi.
9. Participated in one week workshop on “Field techniques and scientific approach in wildlife studies” held during 13<sup>th</sup> -18<sup>th</sup> march 2017, organized by department of P.G.Studies and research in wildlife and management and nature conservation foundation, shankaraghatta, shivmoga.
10. Appreciation on raman fellowship 2015-16 award, held on 29<sup>th</sup> November 2016, organized by Kuvempu University Post Graduate Teacher’s Association, shankaraghatta, shivmoga.
11. Participated in DBT star college scheme sponsored “hands on training on science laboratory equipment and instrumentation” held during 5<sup>th</sup> and 6<sup>th</sup> September 2017, organized by Maharani’s Science College for Women, Palace road, Bangalore.
12. Participated in scintillating talk on “use of nano biosensors for detection of cancer cells” held on 16<sup>th</sup> march 2017, organized by sagara gangothri shikshan mahavidyalaya, ulluru, sagara
13. Participated in one day workshop on “Online Affiliation Process” held on 15<sup>th</sup> November 2017, organized by college development council (CDC) and association with UCCF, Jnanasahyadri, Shankaraghatta, Shivmoga.
14. Oral presentation at International conference on “Nanotechnology: the fruition of Science – 2017” held on 15<sup>th</sup> and 16<sup>th</sup>, February 2017 at NMCC, Tamilnadu.
15. Poster presentation at International conference on “Green Chemical and Nanotechnology opportunity and Challenges” held on February 27<sup>th</sup> and 28<sup>th</sup> at St. Allosius College, Mangalore.
16. Poster presentation at national conference on “Recent trends in applied Science and technology” held on 26<sup>th</sup> and 28<sup>th</sup> October 2017 at department of basic sciences, Alliance college of engineering and design, Bangalore.
17. Participated in the refresher course on “Soft Skill and Personality Development (Biochemistry), held during 17<sup>th</sup> February to 9<sup>th</sup> March 2017, organized by University Grant Commission, Human Resource Development Centre.
18. Oral presentation at “National Conference on Green Chemistry – need of Universe” held on 28, February, 2015 at Sree Shivalingeswara swamy govt. first Grade College and PG center, Chennagiri, Davangere, Karnataka.



19. Poster presentation at International conference on “Nanoscience, technology and advanced materials” held on 14th to 17th, 2015 at Geetham University, Vishakapatnam.
20. Poster presentation at International conference on “Nanomaterials and nanotechnology” held on 7th to 10th December 2015, KSR College technology, Tamilnadu.
21. Participated and chaired a session on “Biotechnology in Healthcare: Bench to Bedside” held during 27th and 28th September 2013, organized by Department of Biotechnology, Sahyadri Science College, Shivmoga.
22. Participated in national workshop on “Elements of Nanoscience and Nanotechnology” held during 12th and 13th October 2012, organized by M. Tech. in Nanoscience and Technology Department of Industrial Chemistry, Kuvempu University, Shankaraghatta.
23. Participated in the seminar on “VISION 2010 analytical techniques and instrumentation for industries” held on 25th November 2005, organised by CPRI Bangalore.
24. Participated in two days national seminar on “present scenario of microbial life” held during 28th and 29th march 2011, organized by Department of Microbiology, Kuvempu University, Shankaraghatta.
25. Participated in national conference on “Advances and Innovations in Biotechnology” Multidisciplinary Approaches to Food, Health, Environmental and Energy Issues, held during 15th and 16th November 2018, jointly organized by School of Basic and Applied Sciences, Dayananda Sagar University, Department of Biotechnology Dayananda Sagar College of Engineering, Society for Biotechnologists (India) and annual meeting of SBT(I), Bangalore.
26. Participated in scintillating talk on “Use of Biochemistry in Day Today life ” held on 14th march 2018, organized by Sagara Gangothri Shikshan Mahavidyalaya, Ulluru, Sagara.
27. Participated in international conference on “6th Bangalore India Nano” held during 4- 6th December 2013, organized by Karnataka Government, Lalit Ashok Hotel, Bangalore.
28. Participated in international conference on “7th Bangalore india nano” held during 4- 6th December 2014, organized by Karnataka Government, Lalit Ashok Hotel, Bangalore.
29. Participated in conference on “ IUSBC” held during 10th and 11th june 2011, jointly organized by VGST & Department of Chemistry and Biochemistry, Bangalore University, Bangalore.
30. Participated in international conference on “New Horizons in Biotechnology (NHBT 2011), held during 21-24th November 2011, and presented a paper entitled Biochemical Characterization of Novel Bioactive Proteins from Silkworm Fecal Matter, organized by NIISCT and CSIR, Trivendrum.
31. Participated in national seminar on “Advances in Stem Cell Research” held on 29<sup>th</sup>, March 2008, organized by Advances Research Institute, KLES Kidney Foundation, NIAS and ICMR, Bangalore.

32. Participated in 71th annual meeting society of biological chemists (india) and oral presented a paper entitled “Purification and Characterization of Antiviral Protein from Faeces of Silkworm” held during 14-16th November 2002, organized by Department of Chemistry and Biochemistry, Punjab Agricultural University, Ludhiana.
33. Participated in two days training programme on “Computer Concepts, Operating System and Internet” held during 3rd and 4th December 2009, organized by Instrumentation Maintenance Facility (IMF) Centre, Kuvempu University, Shankaraghatta.
34. Participated in refresher course on “Biodiversity Conservation and its Applications” held during 12th November to 2nd December 2009, organized by Department of P.G. Studies and Research in Wildlife and Management, Kuvempu University, Shankaraghatta.
35. Participated in orientation programme held during 3rd -30th January 2008, organized by UGC Academic Staff College, Mysore University.
36. Participated in national seminar on “Advances in Biochemistry, Biotechnology and Nanotechnology- Science for 21st Century” held during 13-14th November 2006, organized by department of biochemistry and biotechnology, Shivagangotri, Davanagere.
37. Participated in “35th annual meeting of the indian immunology society” held during 12-14 december 2008, organized by the institutes of life sciences, Bhubhaneswar.
38. Participated in “International Geobiology Conference” held during 3-6th june 2010, organized by China University of Geosciences, Wuhan.
39. Participated in 81st Annual Meeting of the SOCIETY of Biological Chemist (India) and symposium on “Chemistry and Biology: Two Weapons Against Diseases” held during 8-11th November 2012, at Science City , Kolkata.
40. Participated in “Health Sciences Research Day” held on 18th july 2014, organized by Department of Biochemistry, Kuvempu University, Shankaraghatta, Shivmoga.
41. Participated in “Kuvempu University Silver Jubilee Exhibition” held during 16-19th February 2012, organized by Committee for Popularization of Science Education, Kuvempu University, Shankaraghatta, Shivmoga.
42. Participated in two days training programme on “Computer Hardware, Open Office and Linux for research and networking” held during 26th & 27th july 2011, organizedby Instrumentation Maintenance Facility (IMF) Centre, Kuvempu University, Shankaraghatta.
43. Participated in national seminar on” Emerging Areas in Chemical and Biological Sciences” held during 23rd and 24th march 2007, organized by School of Chemical Sciences, Department of Chemistry and Industrial Chemistry, Kuvempu University, Shankaraghatta.
44. Participated in national conference on “Role of Traditional Medicines and Natural Products in Management of Neurodegenerative Disorders” held during 22-24th June 2008, Organized by Soniya Educational Trust’s College of Pharmacy, Dharwad, Karnataka.

45. Participated in SBC (India) on 78th annual meeting, held during 30th October- 1st November 2009, organized by National Centre for Cell Sciences, Pune.
46. Participated in discussion meeting on “Setting up a National Agenda towards Biosecurity” held during 23-24th November 2006, organized by National Institute of Advanced Studies, Bangalore.
47. Participated in “4th Foundation Course in Forensic Science” held during 7th June- 27th August 2004, organized by National Institute of Criminology and Forensic Science, Ministry of Home Affairs, Govt of India.
48. Participated in one day seminar on “Vacuum Technology” held on 22nd February 2005, organized by Department of Instrumentation IISC, Bangalore and Instrument Society of India IISC, Bangalore.