

Name :Dr. RadhaPalaniswamy
Designation :Assistant Professor
Department :Biotechnology
Qualification :M.Sc., PGDND, Ph.D (NET)
Experience :Teaching: 7.5 Years
Industry:6 Years
Research: 3



Area of Specialization(s) :Cancer biology
Email (Official ID) :radhapalaniswamy@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Biotechnology	Avinashilingam University for Women, Coimbatore	2012
PG Diploma	Nutrition and Dietetics	Institute for Health Care Sciences, Chennai	2006
PG	Biotechnology	Avinashilingam University for Women, Coimbatore	2005
UG	Biochemistry with Nutrition	Avinashilingam University for Women, Coimbatore	1999

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certificate	Active Listening Skills for Students	Infosys Springboard	2023
Online Certificate	Work life Balance	Infosys Springboard	2023
Online Certificate	Soft Skill Development	NPTEL	2021
NET	Environmental Science	UGC	2019
Online Certificate	Introduction to Research	NPTEL	2019
Online Certificate	Stress Management	NPTEL	2018

Online Certificate	Introduction to Professional Scientific Communication	NPTEL	2018
Online Certificate	Introduction to Scientific writing	NPTEL	2017

Grants Received

Event Title	Agency	Amount	Date
National Workshop on Data Analytics and its Applications in Biotechnology	DBT – CTEP, New Delhi	Rs. 75,000	31-Oct-18
Seed Money for Lab On Project entitled – Natural dye extraction and its utilization on different fibres	Dr. NGP Arts and Science College, Coimbatore	Rs. 5,000	25-10-21
Seed money Grant “ Partial Replacement of OPC Using Ash of Agricultural Wastes – Eco Friendly Approach”	Dr. NGP Arts and Science College, Coimbatore	Rs. 27,000	30-03-23

Projects

Completed

Project Title	Agency	Amount	Duration
"A study on the responses of MajoranaHortensis leaves evoked due to Hydrogen peroxide induced cell death in Hep2 cancer cells.”	DSTWoS-A	16,00,000	2009-2012

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	Nil	3

Publications: International / National Journals

1. Palaniswamy, R. and Padma, P.R., **Antioxidant effect of Majorana hortensis leaves**, International Journal of Research in Ayurveda and Pharmacy, Vol. 2, Issue 4, pp. 1365-1367, August 2011 . ISSN: 2229-3566 (Indexed in UGC).

2. Palaniswamy, R. and Padma, P.R., **Effect of Majorana hortensis leaves against lipid peroxidation**, Asian Journal of Bioscience, Vol. 6, Issue. 1, pp. 87-89, April 2011. ISSN: 0973-4899 (Indexed in UGC).
3. Palaniswamy, R. and Padma, P.R., **Antioxidant activity of Majorana hortensis leaves subjected to oxidative stress in an in vitro system**, International Research Journal of Pharmacy, Vol. 2, Issue. 6, pp. 153-157, June 2011. ISSN:2230-8407.
4. Palaniswamy, R. and Padma, P.R., **Effect of Majorana hortensis leaf extracts on the apoptotic events in Saccharomyces cerevisiae cells subjected to oxidative stress**, Biotechnology, Bioinformatics & Bioengineering, Vol. 1, Issue. 1, pp. 119- 124, November 2011. ISSN:0006-3592.
5. Palaniswamy, R. and Padma, P.R., **Free Radical Scavenging Activity of Majoranahortensis leaves**, Ancient Science of Life, Vol. 30, Issue. 4, pp. 96-99, April – June 2011. ISSN:0257-7941. (PubMed indexed).
6. Palaniswamy, R. and Padma, P.R., **Comparison of Three Herbal Plants for Best Free Radical Scavenging Activity**, International Journal of Current Pharmaceutical Research, Vol. 9, Issue. 3, pp. 62-64, March 2017, ISSN: 0975-7066.
7. Palaniswamy, R. and Veluchamy, C., **Removal of Chromium from effluent by biosorption using Spirulina platensis**, International Journal of Recent Advances in Multidisciplinary Research, Vol. 4, Issue. 8, pp. 2712-2714, August 2017, ISSN: 2350-0743.
8. Palaniswamy, R. and Veluchamy, C., **Bioabsorption of heavy metal by spirulina platensis from electroplating industrial effluent**, Environemntal Science Indian Journal, Vol. 13, Issue. 4, pp. 1-3, July 2017, ISSN: 0974-7451. (UGC Indexed).
9. Palaniswamy, R. and Veluchamy, C., **Bioabsorption of copper by Spirulina platensis from industrial effluent**, European Journal of Biomedical and Pharmaceutical Science, Vol. 4, Issue. 7, pp. 806-806, July 2017, ISSN:2349-8870(UGC indexed).
10. Palaniswamy, R. and Veluchamy, C., **Spirulina – A Review on Nutritional Perspective**, International Journal of Recent Scientific Research, Vol. 8, Issue. 9, pp. 19825-19827, September 2017, ISSN: 0976-3031.
11. Palaniswamy, R. and Veluchamy, C., **Therapeutic Uses of Spirulina: A Review**, International Journal of Current Innovations and Research, Vol. 4, Issue. 1, pp. 975-979, January 2018, ISSN:2395-5775. (UGC Indexed).
12. Palaniswamy, R. and Padma, P.R. **Histopathology Study to Prove the Protective Effect of Majoranahortensis against oxidative stress**, World Journal of Pharmaceutical and Medical Research, Vol. 4, Issue. 4, pp. 151-153, March 2018, ISSN No. 2455-3301. (UGC indexed).

13. Palaniswamy, R. and Padma, P.R. ,**Phytochemical Analysis of Majoranahortensis leaves**, Journal of Pharma Research, Vol. 7, Issue. 5, pp. 70-72, May 2018, ISSN No: 2319-5622(UGC indexed).
14. PalaniswamyRadha, **Time Dependent Effect of Bioadsorption of Dyes by fruit and vegetable peel**, International Journal of Recent Engineering Research and Development, Vol. 03, Issue.05, pp. 106-108. May 2018, ISSN No: 2455-8761.
15. PalaniswamyRadha, **Bioadsorption of dyes using vegetable and fruit peels**, Research Journal of Chemical and Environmental Sciences, Vol. 6, Issue. 3, pp. 17-19, July 2018, ISSN No. 2321-1040
16. Murugesan, T and PalaniswamyRadha, **Isolation and screening of protease producing bacteria from different market soils**, International Journal of Research in Bioscience, Vol. 7, Issue. 3, pp. 35-40, July 2018, ISSN No. 2319-2844.
17. Murugesan, T and PalaniswamyRadha, **Isolation and screening of amylase producing bacteria from different market soils**, Biotechnology International, Vol. 11, Issue. 1, pp. 21-27, July 2018, ISSN No. 0974-1453.
18. Palaniswamy, Radha, **Understanding the basics of Ayurveda: A Review**, International Journal of Research and Ayurveda Pharmacy, Vol. 9, Issue. 4, September 2018, ISSN No. 2229-3566.
19. Palaniswamy, R., Selvaraj, D and Renganathan, S, **Comparison of 8 different Boiled tropical fruits**, Internal Journal of Current Pharmaceutical Research, Vol. 11, Issue. 1, pp. 21-23, 2019, ISSN No. 0975-7066.
20. Palaniswamy, R. and Padma P.R., **Molecular Docking studies of Derivatives of Majoranahortensis leaves against anti apoptotic targets**, International Journal of ChemTech Research, Vol. 12, Issue. 1, pp. 302-306, 2019, ISSN No. 0974-4290.
21. Palaniswamy, R., Sandhiya R and Dhanyasri N, **New Generation of Nanoparticles: A Review**, International Journal of ChemTech Review, Vol. 12, Issue. 2, pp. 292-398. 2019. ISSN: 2455-9555.
22. Palaniswamy, R. **Endophytes: A Review**, European Journal of Bioscience and Pharmaceutical Sciences, Vol. 6, Issue. 3, pp. 152-159. 2019. ISSN No: 2349-2370.
23. Palaniswamy, R. and Sandhiya, R. **Green synthesis of silver nanoparticles from OrganumMajoram leaf extract**, Journal of Emerging Technologies and Innovative Research, Vol. 6, Issue. 4, pp. 220-229. 2019. ISSN No. 2349-2362.
24. Palaniswamy R. and Padma, P.R. **Spectral Analysis of Majoranahortensis leaves**, Recent Trends in Pharmaceutical Science, Vol. 1, Issue. 2, pp. 11-16. 2019.

25. Uma Bharathi,K., Vignesh, V.N. and RadhaPalaniswamy, **A Review on Titanium Dioxide Nanoparticles in Food Packaging**, International Journal of Research and Analytical Review. Vol 6, Issue. 2, pp. 785-796. 2019. E-ISSN: 2348-1269.
26. Swathisri. S., Naganandhini, K. and RadhaPalaniswamy, **Review on Nano based herbal face wash power**, International Journal of Green and Herbal Chemistry. Vol. 9, Issue.1, pp.1-15.2019. E-ISSN:2278-3229.
27. Palaniswamy, R and Dhanyasri, **Application of Endophytic bacteria in Plant Growth Enhancement**, Journal of Pharmacy and Biological Sciences, Vol. 9, Issue 3, pp. 457-461. ISSN:2321-3272.
28. Mohammed Suhaib, M and Palaniswamy, R, **Antibacterial Activity of Zinc Oxide nanoparticles produced from *Kappaphycusalvarezii***, JETIR, Vol. 6, Issue 6, pp. 247-252. ISSN:2349-5162.
29. Palaniswamy, R and Dhanyasri, S., **Enzyme Production from Endophytic Bacteria Isolated from Medicinal Plants**, International Journal of Pharmacy and Technology, Vol 11, Issue 1, pp. 31672-31682. ISSN:0975-766X.
30. Sandhiya, R and Palaniswamy, Radha. **Antibacterial Effect of Silver Nanoparticles from Origanummajorana Leaf Extract in First-Aid Bandage**, International Journal of Pharmacy and Biological Sciences. Vol. 9, Issue.4,pp. 115-121.Dec 2019. ISSN: 2321-3272.
31. Harshini, V. and Palaniswamy, R **Hazards of Plastic: A Review**,.Scrutiny International Research Journal of Biological and Environmental Science. Vol.6. Issue: 12. Pp. 1-8. 2019.ISSN: 2348-5787(UGC Indexed).
32. Vignesh, V.N. and Palaniswamy, R. **Synthesis of Oil Based Cost Effective Herbal Soap**, International Journal of Research and Analytical Reviews, Vol 7, Issue 2.Pp. 389-397. May 2020. ISSN: 2349-5138 (UGC Indexed).
33. Veluchamy, C and Palaniswamy, R. **A Review on Marine Algae and its Applications**, Asian Journal of Pharmaceutical and Clinical Research, Vol 13, Issue 3, pp. 21-27. Jan 2020. ISSN: 2455-3891.
34. Uma Bharathi,K. and Palaniswamy, R. **Prevention of Microbial Infection in Broiler Chicken using Green Synthesis of Titanium dioxide nanoparticles**, Journal of Emerging Technologies in Innovative Research, Vol 7, Issue 5, pp 70-79. May 2020. ISSN:23495162 (UGC Indexed).
35. Uma Bharathi,K. and Palaniswamy, R. **Titanium Dioxide Nanoparticles and their Characteristics: A Review**, Vol 2, Issue 1, pp. 48-54, Feb 2020. ISSN:282-4457.

36. Swathisri and RadhaPalaniswamy, **Synthesis of Nano-based herbal face pack**, International Journal of All Research Education and Scientific Methods, Vol 8, Issue 7, pp. 27-37. July 2020. ISSN:2455-6211.
37. RenugadeviS. and RadhaPalaniswamy, **Microflora in Leguminous plants**, IJRAJR, Vol. 7, Issue 3, pp. 83-93. July 2020. ISSN:2340-5138.
38. Vignesh, V.N., Umabharathi, K. and Palaniswamy, R. **A Review on Herbal Soap**, International Journal of Research and Analytical Reviews, Vol. 7, Issue 3, pp. 480-486. July 2020. ISSN: 2349-5138.
39. Harsini V. and RadhaPalaniswamy, **Bioplastic World: A review**, Journal of Advanced Scientific Research, Vol 11, Issue 3, pp. 43-53. Aug 2020. ISSN: 0976-9595.
40. Naganandhini K and RadhaPalaniswamy, **Synthesis of Natural Food Colors from Carotenoids Using Flower Petals**, International Journal for Modern Trends in Science and Technology, Vol 6, Issue 6, pp .June 2020. pp 151-160. ISSN: 2455-3778.
41. Naganandhini K, Swathisri S and RadhaPalaniswamy, **Carotenoids: Source of Food Color and its Benefits**, International Journal for Modern Trends in Science and Technology, Vol 6, Issue 7, pp 42-51. ISSN: 2455-3778.
42. RadhaPalaniswamy, **Comparison of Carbohydrate, Protein and Vitamin C from raw and boiled vegetable samples**, Journal of Pharmaceutical Quality Assurance and Quality Control, Vol. 3, Issue 1, pp. 9 -15.Jan 2021.
43. Harsini Venkatachalam and RadhaPalaniswamy, **Synthesis of Bioplastic from *Tridaxprocumbens***, International Journal of Creative Research Thoughts, Vol 9, Issue 3, pp. 4173-79, Mar 2021. ISSN: 2320-2882.
44. GowriSivasamy, DhanyaaSenthil, Gopinath Ramachandran and RadhaPalaniswamy, **Review on Characteristics of *JusticiaTranquebariensis***, International Journal of Creative Research Thoughts Vol. 9, Issue 3, pp. 339-344,Mar 2021. ISSN:2320-2882.
45. Gopinath Ramachandran, GowriSivasamy, DhanyaaSenthil and RadhaPalaniswamy, **AReview on Production of Biofuel Using Browning Oil**, International Journal of Environmental and Ecology Research, Vol. 3, Issue: 1, pp. 28-33. Mar 2021. ISSN: 2664-7109.
46. DhanyaaSenthil and RadhaPalaniswamy, **Determination of Antioxidant, Antibacterial and Anticoagulant Activity of *Artemesianilagirica*Root and Stem**, International Journal of Creative Research Thoughts, Vol 9, Issue 4, pp 1157-1168. Apr 2021. ISSN: 2320-2882.
47. GowriSivasamy, DhanyaaSenthil, Gopinath Ramachandran and RadhaPalaniswamy, **Evaluation of *in vitro*Antioxidant, Antibacterial and Anticoagulant Activity of**

Justicatranquebariensis, International Journal of All Research Education and Scientific Methods, Vol 9, Issue 4, pp 1238-1249. Apr 2021. ISSN:2455-6211.

48. Gopinath Ramachandran, GowriSivasamy,DhanyaaSenthiland RadhaPalaniswamy, **Production of Biodiesel from Browning Oil Coupled with an Emulsification Technique Using Milk whey**, International Journal of Research and Analytical Reviews, Vol 8, Issue 2, pp. 892-903.Apr 2021. ISSN: 2349-5138.

49. DhanyaaSenthil, Gowri Shiva, Gopinath Ramachandran and RadhaPalaniswamy, **A Review on *Artemisia nilagirica***, International Journal of All Research and Education and Scientific Methods, Vol 9, Issue 6, pp. 1528-1534. June 2021. ISSN: 2455-6211

50. LavanyaKannan, Gokulprasath M, RagulGurusamy, RanjithkumarSelvam and RadhaPalaniswamy.**Analysis of Heavy Metals Contamination in Water: A Review**.International Journal of Research and Analytical Review.Vol. 8, Issue 4, pp 201-213. Dec 2021. E-ISSN: 2348-1269.

51. Gokulprasath M, Lavanya Kannan, RagulGurusamy, RanjithkumarSelvam and RadhaPalaniswamy.**Characteristics of *Euphorbia hirta*: A Review**. Journal of Emerging Trends and Innovative Research, Vol 8,Issue12. pp a664-a673. Dec 2021. ISSN: 2349-5162.

52. Selvakumar, S., Dhanapal AR., Palaniswamy, R et al. **Biodegradation of Endosulfan – a chlorinated cyclodiene pesticide by indigenous *Pseudomonas* sp. MSCSA BT01**, Applied Biochemistry and Biotechnology, Feb 2022. doi.org/10.1007/s12010-022-03869-w

53. RagulGurusamy, RanjithSelvam, Golulprasath M, Lavanya Kannan and RadhaPalaniswamy. **Review on Green Synthesis of Silver Nanoparticles**. Journal of Emerging Technologies and Innovative Research, Vol 9, Issue 3. pp d106 - d120. Mar 2022. ISSN: 2349-5162.

54. RanjithSelvam, Gokulprasath M., Lavanya Kannan, RagulGurusamy and RadhaPalaniswamy, **Probiotics in Fruit Juices: A Review**.International Journal of Research and Analytical Review, Vol 9, Issue 1, pp 977-988. Mar 2022, E-ISSN:2348-1269.

55. Mangesh, VL, Tamizhdurai, P, Umashankar, S, Palaniswamy, R et al. **Hydroprocessing mixed waste plastics to obtain clean transport fuel**, Journal of Cleaner Production, Vol 358, Issue 14, pp 131951, April 2022.

56. Ragul, G, Ranjithkumar S,Golulprasath M, Lavanya K and Palaniswamy, R. **Formulation of Media For Enhancingth mycelia Growth of *Pleurotus ostreatus***, Gravidia Review Journal, Vol 8, Issue 7, pp 1293-1301, June 2022. ISSN:0363-8057 (Scopus indexed)

57. Deepak VMM and Palaniswamy, R, **Methods of Treatment for Acute Lymphoblastic Leukemia**, International Journal of Biology, Pharmacy and Allied Sciences, Vol 11, issue 8, 3777-3790. Aug 2022. ISSN- 2277-4998. (UGC CARE)

58. Janani, N., Kalaivani, K., Kaveya Dharsheni, S., Kowsalya P and Palaniswamy, R. **Natural Dye Extraction from Combination of *Camellia sinensis*, *Portulaca grandiflorum*, *Macrotyloma uniflorum*, *Vigna radiate*, *Punica granatum* & *Mentha piperita***, Journal of University of Shanghai for Science & Technology, Vol. 24, Issue 10, pp 84-92, Oct 2022. ISSN 1007-6735 (UGC CARE).
59. Harini, T., Hasan Sharukh, Kala Nandhini, S., Lavanya, R. & Palaniswamy, R. **Estimation of Nutrient Content in Different Forms of *Ananas comosus***, GIS Science Journal, Vol. 9, Issue 7, pp.20024-2011. July 2022. ISSN: 1869-9391.
60. Harshni, V.P., Jeevanandham, S, Aksaran, N, Muthupriya, P. and Palaniswamy R. **Partial Replacement of OPC by the Ash of Agricultural Wastes**, Int. J. Res. Edu. Sci Method (IJRESM), Vol.10, Issue 12, pp. 242-247, Dec 2022. ISSN:2455-6211.
61. Sneha S., Nanditha, K and Palaniswamy, R., **General Attributes of Biopesticides: A Review**, J. Emerg. Technol. Innov. Res., Vol.10, Issue 1, pp b162 – b165. Jan 2023. ISSN234-5162
62. Gowtham, G and Palaniswamy, R, **Effects of Zanthoxylum Plants against the bacteria causing dental carries – review**, Int.J. Res. Analyt.Reviews, Jan 2023. EISSN: 2348-1269 Vol.10, Issue: 1, pp. 480-487.
63. Meena, V. and Palaniswamy, R. **Formulation and Evaluation of Anti-dandruff Herbal Shampoo**, Int. J. Enhanced Res. Sci. vol. 12, Issue: 1, pp17- 27, Jan 2023. ISSN:2319-7463.
- 64 Anushamary, A and Palaniswamy, R. **In vitro culture of plants under different conditions**, Int. J. Res. Edn Sci Meth (IJARESM), Vol 11, Issue:1, pp. 377-381. Jan 2023. ISSN: 2455-6211.
- 65 Harsini, V, Chidambara Rajan, P, Palaniswamy, R. **Formulation and evaluation of herbal lipstick from pigment of *Nyctus arbor tistis***, Ind. J Natural Prod Resources, Vol 13, Issue:4, pp574-578. Feb 2023.
66. Navaneetha B., Harishini VP, Palaniswamy, R. 2023, **Evaluation of White Molly (*Poecilia sphenops*) Fed with Azolla enriched *Daphnia magna***, Journal of Xidian University, Vol 17, Issue 4: pp. 193-99. Mar 2023. ISSN:1001-2400.
67. Gowtham, G, Palaniswamy R, Sneha S and Nanditha K. **Isolation of Antimicrobial Compounds from the Bark Extract of *Zanthoxylum tetraspermum* Against oral bacteria**, Journal of Emerging Technologies and Innovative Research, Vol.10, Issue 5: May 2023. ISSN:239-5162.
68. Sneha S, Nanditha K, Anusha A, Gowtham G, Meena V, Palaniswamy, R. **Formulation of Bioinsecticide using *Pseudomonas fluorescens* to study the mortality rate against *Aedes Aegypti***. International Journal for Modern Trends in Science and Technology, vol 9, Issue:5, pp 589-594. May 2023. ISSN:2455-3778.

69. Anushamary, A., V.M.M. Deepak, Palaniswamy R. **Isolation of L-aspraraginease producing bacteria from soil.** International Journal of Creative Research Thoughts, Vol. 11, Issue:5, pp-h935-h945. May 2023. ISSN:2320-2882.

70. Nanditha K, Sneha S, Gowtham G, Palaniswamy, R. **Formulation of Bacterial Biopesticide Using Pseudomonas Aeruginosa.** International Journal of All Research Education and Scientific Methods, Vol. 11, Issue: 5, pp 2359-2363. May 2023. ISSN: 2455-6211

71. Meena, V. and Palaniswamy, R. **Formulation and Evaluation of Anti Dandruff Shampoo from the Methanol Extract of *Delonix Regia (Bojer Ex Hook) Raf. Leaves.*** World Journal of Pharmaceutical Research. Vol. 12, Issue: 9, pp 1257-1268. May 2023. ISSN:2277-7105.

72. Harishni VP, Jeevanandham, S, Muthupriya P and Palaniswamy, R. **Partial Replacement of OPC by Sugarcane Bagasse and Groundnut shell.** Journal of Xidian University. Vol. 17, Issue:5, pp 897-908. May 2023. ISSN: 1001-2400.

Publications in Books & Book Chapters

1. RadhaPalaniswamy, **Fundamentals of Ethnobotany: A World Perspective**, Ethnobotany and Biochemistry of Medicinal Plants, Discovery Publishing India House, New Delhi, 2019, pp.1-18. ISBN:978-93-88854-29-0.
2. RadhaPalaniswamy, **Glimpses in Ayurveda, Advances in Ayush**, Akinik Publications, New Delhi, pp 95-111.2019. E-book ISBN: 978-93-5335-206-6
3. Mangesh VL, Chandra Veluchamy, RadhaPalaniswamy, **Cyanobacteria: Role of cyanobacteria in Biotechnology**, Kindle Direct Publishers, June 2021, ISBN (paperback): 979-85222-89522.
4. RadhaPalaniswamy and Nithya Devi S, **Joy of Public Speaking**, Lambert Publications, Germany, 2021. ISBN 978-620-3-92545-6.
5. HarsiniV, Radha Palaniswamy and Mangesh, VL, **Insight into Bioplastics – A simple guide to bioplastics**, Bluerose Publications, New Delhi, 2021. ISBN: 978-93-5472-086-4.
6. Palaniswamy, R and Kiruthiga, N, **Story of Antioxidants and Pharmacognosy**, Bluerose Publications, New Delhi, 2021. ISBN: 9789356111523.
7. Palaniswamy, R and Kathiravan, M.N. **Plant and Animal Biotechnology-Lab Manual**, Raasi Enterprises, Coimbatore. ISBN: 978-81- 960021-4-5.
8. Palaniswamy, R and Kumar, N, **Are you a 21st century teacher ?**, Proceedings of NAAC sponsored National Conference on Institutional Values and Best Practices, March 2023, VHN Senthikumara Nadar College. pp 86-92. ISBN: 978-81-952746-4-5.

Patents Published

For the work entitled “**A Process for the Preparation of Natural Dyes from *Musa acuminata***” patent was published under application number 202241051788 during September 2022 under the field of invention as Textiles.

For the work entitled “**Synthesis of Emulgel from *Euphria hirta* and *Coccinia grandis* leaves**” patent was published under application number 202341003608 during January 18, 2023 under the field of invention in life science.

For the work entitled “**Bioplastic synthesis from *Tridax procumbens* leave extract**” patent was published under application number 202341010286 during February 16, 2023 under the field of invention in biological science.

Presentations in Conference

1. **Effect of Majoranahortensis leaf extract on the apoptotic events in *Saccharomyces cerevisiae* cells subjected to oxidative stress.** National Symposium -Theta '11 held at SASTRA University, SRC, Kumbakonam, 18-20 Feb-2011. Won I prize for oral presentation.

2. **Majoranahortensis – a potent antioxidant in goat liver slices when challenged with H₂O₂,** National conference of Zoology, Raja Serfoji Govt. College, Thanjavur. 12-Apr-2011. Won III prize for oral presentation.

3. **Response of stress induced Hep2 cell lines to *M. hortensis* leaf extract treatment.** Current Trends In Advanced Biomedical Technology (CTAB 2011), Nehru arts & Science College, Coimbatore,20-Sep-2011. Won I prize for poster presentation.

4. **Protective effect of Majoranahortensis leaves against oxidative stress induced HepG2 cells.** IV Louis Pasteur Memorial symposium, Dr. NGP arts and Science College, Coimbatore, 4-Aug-2011. Won III prize for oral presentation.

5. **Differential effect of Majoranahortensis leaf extract on etoposide-induced apoptosis in Primary chick embryo fibroblasts and HepG2 cells,** Annual Meeting of the Society for Biotechnologists (India) & National Conference on 'Current Scenario in Biotechnology' 27-Sep-2012. Won Narasimiah Award for Best Paper Presentation in Cancer Biology

6. **In vitro effect of Majoranahortensis on H₂O₂ induced oxidative stress,** International Conference on Emerging Trends in Free Radicals, SFRR – Kolkata,3-Jan-2012.

7. **Inhibitory effect of Majoranahortensis leaf extract against oxidative biomolecular damage,** International conference on Indo Korean Medicinal Plant Research, Avinashilingam University,5-Feb-2012.

08. **Biomolecular protection rendered by Majoranahortensis leaves against oxidative stress**, International conference on Innovations in Free Radical Research & therapeutics, Karunya University, Coimbatore, 21-Dec-2011.

09. **Transitional and Translational Scenarios in Biotechnology**, Dr. NGP Arts and Science College, Coimbatore, 10-Sep-2016.

10. **Bioabsorption of Zn from industrial effluent by spirulina**, Vivekananda College of Arts and science for Women, 8-Mar-2017.

11. **Challenges of Animal Tissue Culture**, KSCSTE sponsored National Seminar on Current Trends in Biotechnology, St. Joseph's College, Thiruvalla, 15-Dec-2017.

12. **Biodegradation of heavy metals by electroplating using spirulina**, International Conference on Frontiers in Biotechnology, Nanda Arts and Science College, Erode, 3-Feb-2017

13. **Forest Resource Management**, State Level Seminar held at Viruthungar Hindu Nadars' Senthikumara Nadar College, Viruthunagar, 16-Feb-2018.

14. **Xylanase Production using Agricultural wastes**, Challenges and Advances in Microbiology, Annamalai University, 1-Feb to 2-Feb -2018.

16. ***Tridax procumbens* leaves as a source of bioplastic**, 8th International Conference on Recent Advances in Bioscience, KSG College of Arts and Science, Coimbatore, 28-Nov-2022.

17. **Are you a 21st Century teacher?** National Level Conference on Institutional Best Practices, Viruthungar Hindu Nadars' Senthikumara Nadar College, Viruthunagar, 24-Mar-2023.

18. **Antibacterial activity of *Ocimum basilicum* XIV Louis Pasteur International Conference**, DrNGP Arts and Science College, Coimbatore, 9-Mar-2023.

Participation in Conference/Seminars

National

National Conference – Changing Disease Profile, KMCH, Coimbatore, 6-Oct-2016.

National Conference – Rural Health and Non communicable disease, KMCRET, Coimbatore, 6-Apr-2018.

Participation in Workshop

1. Technical workshop on IPR, Sri Ramakrishna College of Arts and Science, Coimbatore, 15-Nov-2017.
2. Field Emission Scanning Electron Microscope, Avinashilingam University, Coimbatore, 16-Jun-2018.

3. Workshop on Scientific Writing, Karpagam University, Coimbatore, 24-Jun-2018 to 25-Jun-2018.
4. Workshop on Recent Advances in Biochemistry, National Science Academy, Dr. NGP Arts and science College, Coimbatore, 11-Aug-2018.
5. Workshop on Health Risk Assessment using Nano particles, Dr. NGP Arts and Science College, 5-Dec to 7-Dec-2019
6. Workshop on Animal Tissue Culture Techniques, Dr. NGP Arts and Science College, 30-Mar-2019.
7. Workshop on X-Ray Crystallography, Avinashilingam University, Coimbatore, 7-Feb-2020.
8. Workshop on 3D Bioprinting for Organ Replacement using Biogenerative Engineering, PSG Institute of Advanced Studies, Coimbatore, 25-Nov- 2022

Participation in Orientation Programme / Short Term Courses

- National workshop on Statistical mathematical modeling, AIMSCS, Hyderabad, Oct-2012
- Online Workshop on Manufacturing Technologies for Tissue Engineering and Drug Delivery, Dr. BR Ambedkar National Institute for Technology, Jalandhar, 3-Oct-2020 to 7-Oct-2020.
- Orientation Program on National Institutional Ranking Framework, Bharathiar University, Coimbatore, 29-Dec-2022.
- Orientation on innovation Ambassador by MHRD, MoE, Govt. of India, 30-Jun to 30-July 2021.

Participation in Faculty Development Programme

1. Faculty Development Program, National Level Entrepreneurship –Initiate and Ignite, Avinashilingam University, 17-Sep-2018 to 29-Sep-2018.
2. Faculty Development Program on Quality Measures in Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec 2018 to 9-Dec-2018
3. Faculty Development Program on Outcome Based Education, Dr. NGP Arts and Science College, Coimbatore, 29-May-2019 to 3-Jun-2019.
4. Faculty Development Program on Institution's Innovation Council by MHRD, New Delhi, online course, 28-Apr-2020 to 22-May-2020

5. Faculty Development Program on Nanomaterial synthesis, Process, Characterization and its Functional Applications by Hindustan College of Engineering and Technology, Coimbatore, 6-Jul-2020 to 11-Jul-2020.
6. Faculty Development Program on IPRs for Professional Innovators, AVIT & Vinayaka Mission Research Foundation, 16-June-2020 to 20-June 2020.
7. Faculty Development Program on Outcome Based Education, KITS Guntur and IIT Kharagpur, 08-July 2020 to 10-July 2020.
8. Faculty Development Program on Responsibilities of Microbiologists in combating Pandemic Diseases, 08-July 2020 to 10-July 2020.
9. Faculty Development Program on Research Methodology and Pedagogy for Tertiary Education, Dr. NGP Arts and Science College, Coimbatore, 15-Jun-2021 to 21-Jun-2021.
10. Faculty Development Program on Introduction to Computers, Dr. NGP Arts and Science College with IIT Bombay, 04-Aug-2021 to 29-Dec-2021.
11. Faculty Development Program on Drug Engineering through Bioprospecting, AICTE sponsored, Dr. NGP Arts and Science College, 12-Jul to 16-Jul-2021.
12. Professional Development Program on Implementation of NEP 2020 for University and College Teachers, Indira Gandhi Open University, New Delhi, 07-Nov-2022 to 16-Nov 2022.

Conference / Seminar / Workshop Organized

1. Organizing Committee Member, Marina 2016, Dr. NGP Arts and Science College, Coimbatore, 21-Dec-2016 to 22-Dec-2016.
2. Organizing Committee Member, Marina 2017, Dr. NGP Arts and Science College, Coimbatore, 5-Dec-2017 to 6-Dec-2017.
3. Convener, National Workshop on Data Analytics and its Applications in Biotechnology, Dr. NGP Arts and Science College, Coimbatore, 14-Feb-2019.
4. Organizing Committee Member, Marina 2019, Dr. NGP Art and Science College, Coimbatore, 6-Sep-2019.
5. Organizer, Workshop on Scientific writing, Dr. NGP Art and Science College, Coimbatore, 1-Feb-2020.
6. Organizer, Workshop on Cost effective mushroom cultivation, Dr. NGP Arts and Science College, Coimbatore, 3-Feb-2020.
7. Organizer, Workshop on Phytochemical Extraction from Medicinal Plants, Dr. NGP Arts and Science College, Coimbatore, 22-Feb-2021.

8. Organizer, Workshop on Nanophotometer, Dr. NGP Arts and Science College, Coimbatore, 5-Mar-2021.
9. Organizer, Workshop on Spectroscope, Dr. NGP Arts and Science College, Coimbatore, 6-Mar-2021.
10. Organizer, Webinar Series of Biotechnology Dept, Dr. NGP Arts and Science College, Coimbatore, 08-Jun-2021
11. Organizer, DBT workshop on Nanophotometer, Dept, Dr. NGP Arts and Science College, Coimbatore, 30-Mar -2022
12. Organizing Committee Member, National Symposium on Graduate Research, Dr. NGP Arts and Science College, 21-22 Feb-28

Invited Speaker / Session Chair- Conference / Seminar / Workshop

1. Invited speaker, Animal Tissue Culture in Biozenith Association at NGP College of Arts and Science, Coimbatore, 7-Jul-14.
2. Invited speaker, "Challenges in Thesis Writing and Reviewing Articles", ThassimBeevi Abdul Kader College for Women, Kilakarai, 23-Jan15.
3. Invited Speak, 7th Annual Meet on Ethanopharmacology, Avinashilingam University, Coimbatore, 1-Mar-18.
4. Invited speaker, Conference on Animal Tissue Culture and Techniques, St. Joseph's College, Thrissur,4-Nov-17.
5. Invited speaker, Bioethics and Patenting, Avinashilingam University, Coimbatore, 1-Feb-18.
6. Invited speaker, Avogardo Association, Dr. NGP Arts and Science College, Coimbatore, 14-Mar-19.
7. Invited speaker, English Association Inauguration, Dr. NGP Arts and Science College, Coimbatore, 18-Jul-19.
8. Invited Speaker, Clinical Lab Technology, Dr. NGP Arts and Science College, Coimbatore, 22-Jul-19
9. Invited speaker, Inauguration of Catering Science Association, Dr. NGP Arts and Science College, Coimbatore, 26-Aug-19.
10. Invited speaker, Department of Commerce with Banking and Insurance Association Inauguration, Dr. N.G.P. Arts and Science College, 12-Sep-19.
11. Judge, Science Fusion celebrations, AVP Matriculation School, Tirupur, 4-Nov-19.
12. Resource person, Awareness on Health and Hygiene, Kannapiran Mills, Sowripalayam, Coimbatore, 08-Feb-20. .
13. Resource person, Awareness on healthy food and successful living, Srinivasa Mills, Then Thirupathi, Coimbatore,17-Feb-20.
14. Resource person, De-addiction to tobacco and alcohol, KG Fabriks, SIPCOT, Perundurai, Erode, 24-Feb-20.

15. Chaired a session for Big Data Analytics in Clinical Research, Dr. NGP Arts and Science College, Coimbatore. 19-Mar-2021.
16. Resource Person, Insight into Animal Tissue Culture, Selvamm College of Arts and Science, Namakkal, 12-Jun-2021.
17. Resource Person, Glimpses of Covid 19, Sri Ramalinga Sowdambikai College of Arts and Commerce, Coimbatore, 14-Jun-2021.
18. Resource Person, Cancer biology, Hindustan College of Arts and Science, Coimbatore, 14-Dec 2021.
19. Resource Person, Manifestations of Cancer and HIV, Avinashilingam Institute for Home Science and higher Education for Women, Coimbatore, 25-Feb 2022.
20. Resource Person, 3D Bioprinting and Tissue Engineering, Department of Clinical Laboratory Technology, Dr. NGP Arts and Science College, Coimbatore, 11- Mar 2023
21. Resource Person, Ignite the Innovation in You, Dept of Computer Science, Dr.NGP Arts and Science College, Coimbatore, 13-Mar 2023.
22. Resource Person, Entrepreneurship Leads the World, Dept of BCom BPS, Dr. NGP Arts and Science College, Coimbatore, 20-Mar 2023.

Awards / Honors

S.No.	Awards / Honors	Agency / Institute	Year of Award
1	Proficiency holder (French)	Avinashilingam University for Women, Coimbatore	1998
2	Gold medalist (Biotechnology)	Avinashilingam University for Women, Coimbatore	2005
3	Using Best ICT tools in teaching	Dr NGP Arts and Science College, Coimbatore	2019
4	Best Mentor Award	Dr NGP Arts and Science College, Coimbatore	2020
5	Best Faculty Award	Dr NGP Arts and Science College, Coimbatore	2020
6	Womens' Day Achiever	Pensioner's Association, TNAU, Coimbatore	2020
7	Women's Day Venturous Award	Dr, NGP Arts and Science College, Coimbatore	2022
8	Best Faculty Award	Dr, NGP Arts and Science College, Coimbatore	2022
9	Best Mentor Award	Dr, NGP Arts and Science College, Coimbatore	2022