


Dr. T.R. BANUPRABHA



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 PERIYAKULAM

 87, SOUTH AGRAHARAM
THENKARAI
PERIYAKULAM
THENI DISTRICT.

HIGHLIGHTS

- ADAPTABILITY
- HARD AND FAST WORKER
- TEACHING CONCEPTS
- MANAGEMENT SKILLS
- GOOD ORGANISER
- RESEARCH WORK

RESUME

CAREER OBJECTIVE:

Apply knowledge, creativity and interest in my job, to implement the organizational goals at the higher level. By learning the latest with all my ability, sincerity and to attain personal and organizational needs.

EDUCATIONAL QUALIFICATION:

COURSE	INSTITUTION	YEAR OF PASSING	% OF MARKS
M.Sc (Chem)	Distance Education, Madurai Kamaraj university	2010	69%
Ph.D (Chem)	Part-time, Madurai Kamaraj university	2016-2022	completed

EXPERIENCE:

- As a Teacher in Santiniketan Matriculation School Theni (2 Years)
- As a Lecturer in Jayaraj Annapackiam college for women (1 Year)
- As a Teacher (Maternity leave post) in Edward Memorial school Periyakulam (6 months)
- As a Lecturer in Thiravium group of institutions (2 years)
- As a Principal in Thiravium college of Arts & Science (1 year)
- As a lecturer and HoD i/c in Department of Chemistry and PG Diploma in sanitary Inspector in Mary Matha College of Arts and Science till date.

RESEARCH EXPERIENCE:

PAPER PUBLISHED

- Published in Ionics, “Activated carbon from banyan prop root biomass and its application in pseudocapacitors: a strategy towards circular economy for energy”; P. Kalyani, T. R. Banuprabha & V. Velkannan; Ionics, 27, 1357–1368, Springer, IF: 2.817 (2020) <https://doi.org/10.1007/s11581-020-03874-1>
- Published in Indian Journal of Natural Sciences, “Grass-inspired active porous carbons for electrochemical capacitors: A comparative study”. T. R. Banuprabha, P. Kalyani and C. Sudharsana, IJONS, 12 (68) 34352-34370, TNSRO, IF: 1.733 (2021)
- Published in International Journal of Electrochemical Science, “Evaluation and application of phytomass derived activated carbons as electrodes for coin cell supercapacitors”. T. R. Banuprabha, A. Karthikeyani and P. Kalyani, Int. J. Electrochem. Sci, 16(2021) 211251, 1-21, IF: 1.765. <https://doi.org/10.20964/2021.12.21>
- Published in Indian Journal of Natural Sciences, “Efficacy in chemistry laboratory pedagogy vis-a-vis the academic achievement of under graduate students”. P. Kalyani, T.,R. Banuprabha, C. Sudharsana, T. Jeyagowri and M. Vasimalairaja, IJONS, 14 (78) 56544-56550, TNSRO, IF: 2.452 (2023)

BOOK CHAPTER

- Published in IntechOpen, “Phytomass-Derived Multifunctional Activated Carbon as a “Wonder-Material: A Paradigm Shift of Filth-to-Wealth”. Palanichamy Kalyani, Thakku Rangachari Banuprabha, Chinnamayan Sudharsana and Nazim Anvarsha, IntechOpen, Current Topics in Recycling (2021) 1-23, DOI:10.5772/intechopen.99448

PAPER PRESENTED

1. Presented a paper in National conference on “Recent advancements in materials science” on 10th February 2017 held at Jayaraj annapackiam College for women, Periyakulam. Paper Title: Soya chunks Carbon: A prospective electro active material for super capacitors.
2. Presented a paper in International conference on “Advanced Functional Materials for Energy, Environment and Biomedical Applications” AFMEEB – 11-12 December 2017 held at Madurai Kamaraj university, Madurai. Paper Title: Soot as a novel electrode material for super capacitors.
3. Presented a paper on 2nd International conference on Recent Trends in Analytical Chemistry (ICORTAC – 2018) on March 15-17, 2018. Paper Title: Evaluation of certain zero – cost biomass derived carbon materials for super capacitor electrodes with Co-authors P.Kalyani.
4. Presented paper in National Seminar on Water Quality & Treatment (WQT – 18) March 22- 23, 2018. Paper Title: Adsorptive Removal of crystal violet Dye – A Greener Approach to purify Industrial Effluent
5. Presented a paper on one day International Conference on Expanding Frontiers in Chemistry (EFC – 19) on September 13th 2019 held at PG Department of Chemistry, Arul Anandar College (Autonomous), Karumathur. Paper Title : “A study to evolve novel active biocarbon materials for supercapacitors”
6. Presented a paper on two days International Conference on Advanced Nanomaterials for Energy, Engineering, Biological and Medical Applications (ICAN – 2019) on December 12th & 13th 2019 held at Department of Science and Humanities, Chettinad College of Engineering & Technology, Karur. Paper Title: “Bio-wastes based activated carbons derived from broom grass as electrode materials for high performance supercapacitors”.
7. Presented a paper on 5th International Conference on Chemical and Environmental Research (ICCER-2020) on January 8th 2020 held at PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Trichy. Paper Title: “Waste Phytomass utilization for low-cost carbon in supercapacitors”.
8. Presented a paper on one day International Conference on Expanding Frontiers in Chemistry (EFC – 19) on February 15th & 16th 2023 held at PG Department of Chemistry, Arul Anandar College

(Autonomous), Karumathur. Paper Title : “A Novel phytomass-derived activated carbon – HAC/Ni-modified electrode and its prospects as glucose sensor”

9. Presented a paper in two day International Conference on Recent Trends in material science (RTMS–2023) on March 9th and 10th 2023 held at PG and Research Department of Physics, Arul Anandar College (Autonomous), Karumathur in collaboration with Loyola Institute of Frontier Energy (LIFE), Loyola College (Autonomous), Chennai. Paper Title: “Recycling of phytowaste as low-cost electro active carbon materials for fabricating supercapacitor electrode”.

FDP/Conferences attended

1. Participated in “National level American College Chemistry Webinar Series-III” organized by the department of chemistry on 5th June 2020.
2. Participated in “International Webinar on Recent Advances in Material Science & Nanotechnology” organized by the department of Physics, Bannariamman Institute of Technology, Sathyamangalam on June 4-6, 2020.
3. Participated in the Webinar on “Nano composite Ion-conducting Solid Polymer Electrolyte materials” organized by department of Basic science and Humanities, Vignan’s Institute of Management and Technology for women, Hyderabad on June 10th, 2020.
4. Participated in Webinar on “Molecular Spectroscopy and surface Analytical techniques” organized by PG & Research department of chemistry, R.V. Govt Arts college, Chengalpattu on June 12th 2020.
5. Participated in International Webinar on “Advanced Materials for Energy applications” organized by Aurora’s degree & PG college, Hyderabad on June 12th, 2020.
6. Participated in the Webinar on “Today’s opportunities in Digital World” organized by Narasu’s Sarathy Institute of Technology, Salem on June 13th 2020.
7. Participated in the National Webinar on “ Green materials for Environmental Sustainability” organized by St. Joseph’s college of Engineering, Chennai held on June 12th 2020.
8. Participated in the Webinar on “An overview of entrepreneurship in Ornamental fish culture organized by St. Antony’s college of arts & science for women, Dindigul on June 8th 2020.
9. Participated in the Webinar on “Trending technologies look beyond 2020” organized by Narasu’s Sarathy Institute of Technology, Salem on June 16th 2020.
10. Participated in the International webinar on “Materials for energy generation and storage” organized by Poompuhar college, (Autonomous), Melaiyur on June 10th 2020.
11. Participated in the International webinar on “Green energy and technology” organized by King’s Engineering college, Chennai on June 19th 2020.
12. Participated in Webinar on “Research in computational material science” organized by Aurora’s technological & research Institute, Hyderabad on June 19th, 2020.
13. Participated in Webinar on “Nano materials for environmental applications” organized by King’s Engineering college, Chennai on June 20th, 2020.
14. Participated in Webinar on “Periodic table and chemical periodicity-NET examination” organized by Dept of chemistry Govt Arts College, (Autonomous), Salem on June 20th, 2020.
15. Participated in the International webinar on “Designing of materials” organized by Department of chemistry Kamaraj college, Tuticorin on June 22nd 2020.
16. Participated in the International webinar on “Flexible Energy storage Devices” jointly organized by Centre of Nano science & technology, IST, JNTU, Hyderabad and Davalbagh Educational institute, Agra on June 20th 2020.
17. Participated in the webinar on “Material science in the topic of development of single crystals for frequency conversion application” organized by Mookambigai college of Engineering”, Pudukkottai on June 24th 2020.
18. Participated in the webinar on “Electrospun 1D-Nanomaterials and their applications” organized by Saveetha Engineering college, Chennai on June 23rd 2020.
19. Participated in the International virtual seminar on “Materials and their applications” organized by SSM Institute of Engineering and Technology, Dindigul on June 18th & 19th 2020.
20. Participated in the International webinar on “Recent Advances in Material science” organized by Department of Material science, School of Technology, Central University of Tamil Nadu, Thiruvarur & Abinnovus consulting Pvt. Ltd. on June 18th - June 22nd 2020.
21. Participated in the National webinar on “Recent trends in physics of materials” organized by Pachaiyappa’s college, Chennai on June 24th 2020.
22. Participated in the webinar on “Publishing in International journals of high repute: Do’s and Don’ts” organized by Saveetha Engineering college, Chennai on June 25th 2020.

23. Participated in the webinar on “Characterization techniques for nanomaterials” organized by The National Institute of Engineering, Mysuru, Karnataka on June 26th 2020.
24. Participated in the National Level webinar on “Metal – Ligand Multiple Bonded Compounds” organized by Ayya Nadar Janaki Ammal college, Sivakasi on June 25th 2020.
25. Participated in the Live webinar on “Emerging trends in chemistry” organized by Department of chemistry, Annamalai University, Chidhambaram on June 24th & 25th 2020.
26. Participated in the International web Conference on Smart Engineering Technologies 2020” organized by Ramco Institute of Technology, Rajapalayam on June 26th & 27th 2020.
27. Participated in the International Virtual Conference on “Advanced Materials for Energy and Environmental Applications (ICAMEEA -2020) organized by Internal relationship centre, Bharathidasan University, Tiruchirappalli on June 26th & 27th 2020.
28. Participated in the International webinar on “Interdisciplinary Research on Societal Applications: Challenges and Opportunities (ISRA – 2020)” organized by Department of Chemistry Bharathiar University, Coimbatore on June 26th & 27th 2020.
29. Participated in the Webinar on “Women in Science : Women Empowerment(WSWE 2020)”organized by Poompuhar College (Autonomous), Department of Chemistry, Melaiyur on June 30th 2020.
- 30. Attended in the Three days Faculty Development Programme on “Advanced Materials for Energy, Environment & Healthcare Applications” organized by Sethu Institute of Technology, Chennai on June 29th & 30th & July 1st 2020.**
31. Participated in the “Virtual Symposium on Multifunctional Materials” organized by SRM Institute of Science and Technology, Ramapuram Campus, Chennai on June 17th 2020.
32. Participated in the Two days Webinar – “Insight on proposal for funding agencies and Research writings” organized by Kongu Engineering College, Perundurai, Erode on June 30th & July 1st 2020.
33. Participated in the Webinar on “Mind achieves what it conceives” organized by G.T.N. Arts College, Dindigul on July 4th 2020.
34. Participated in the Three-day National webinar on “Chemistry in circular economy & sustainability (CHEMinar-20)” organized by Department of Chemistry, Directorate of Distance Education, Madurai Kamaraj University, Madurai on July 29th – 31st 2020.
35. Participated in the Indo-Korea Virtual Conference on Development of Advanced Materials for Future Technologies (DAMFT-2020) organized by Jeonbuk National University, Jeonju, South Korea & Vellore Institute of Technology, Chennai on July 9th & 10th 2020.
36. Participated in International Virtual Conference on “Supercapitors and Batteries for Future Avenues (ICSBFA- 2020)” conducted at Bharathidasan University, Tiruchirappalli on September 8th & 9th 2020.
37. Participated in International webinar entitled “Electrochemists: the future coders of Energy conversion science and Technology” at KMG college of arts and Science, Gudiyattam on 18.07.2021.
- 38. Attended in online faculty development programme on “Presentation skills” organized by Internal Quality Assurance Cell, Arignar Anna Government Arts College, Namakkal on 7th August 2021.**
39. Participated in National skill India Program on advanced Materials for Next Generation devices jointly organized by Department of physics, SRM Institute of Science and Technology, Ramapuram campus, Chennai and CSIR – Advanced Materials and Processes Research Insitute (AMPRI), Bhopal on 30.07.2021
40. Participated in UGC sponsored webinar on Research Ethics” on 11th September 2021.
41. National Training Workshop on “Research Article Writing and Plagiarism” organized by Zoology and Biotechnology Department and IQAC, Ujjain (M.P), on 18th September 2021.
42. Participated in the e-workshop titled “Phase identification of Polycrystalline Materials using XRD data in Softwares” organized by Panorama association, Department of physics, Dr. N.G.P. Arts and Science College, Coimbatore on 25th September 2021.
- 43. Attended two days FDP on “Cultivation of Research Excellence to Enhance Innovations and Professional Development” organized by the Department of physics, Panimalar Engineering College, Chennai on 01-02 November 2021.**
44. Participated in Three Day International E-Conference entitled “Electrochemical Techniques and their applications in the development of sensors (ETADS-2022)” organized by Natural products Chemistry,, School of chemistry, Madurai Kamaraj University, (MKU), under the financial support of RUSA-Phase II scheme, on 20-22 January, 2022.

45. Participated in the Indo-Norwegian International online Conference on Functional materials for energy, Environment and Biomedical applications (FARAON-2022) organized by University of Oslo (Vio), Norway & Madurai Kamaraj University (MKU) on February 02-04, 2022.
46. Participated in International seminar entitled “Advanced Energy Storage Materials and Biosensors” organized by Department of Chemistry, Mary Matha College of Arts and Science, Periyakulam east, on 23rd August 2022.
47. Participated in International webinar organised by PG and Research of chemistry, Jayaraj Annapackiam College for women, Autonomous, in collaboration with department of chemistry and Bio-chemistry, Jyoti Nivas college, Bangalore on 19th December 2022.
- 48. Attended seven days International FDP on “Advanced Functional Materials: Energy, Environment and sustainable development” organized by the Department of Physics, SRM TRP Engineering College, Tiruchirappalli, on 28th -09th February, March 2023.**
49. Participated in International virtual conference on Recent Trends in Physics (ICRTP – 2023) organized by PG and Research of physics, Jayaraj Annapackiam College for women, Autonomous, on 16th & 17th March 2023.
50. Participated in National Conference entitled “Emerging Trends in Biotechnology” organized by Department of Biotechnology, Mary Matha College of Arts and Science, Periyakulam east, on 17th March 2023.
- 51. Attended seven days Online FDP on “Skill development for effective Teaching, Learning, Evaluation and Research” organized by Mary Matha College of Arts and Science, Periyakulam, on 13th -19th April 2023.**
- 52. Attended seven days International FDP on “Research funding Opportunities” by Dr. Shivprasad, Scientist – R & D Infrastructure Division, Department of science and technology (DST), New Delhi, India organized by the Department of Physics, SRM TRP Engineering College, Tiruchirappalli, on held on 23rd June 2023.**
53. Participated in International webinar on Recent Trends in Chemistry (RTC-I-5) organised by PG and Research of chemistry, Jayaraj Annapackiam College for women, Autonomous, on 19th September 2023.
- 54. Attended 6 days Online FDP on “Teaching and Learning in the Digitalized Era” organized by Mary Matha College of Arts and Science, Periyakulam east, Theni (D.T) on 7th -14th July 2023.**

PERSONAL DETAILS:

NAME : BANUPRABHA T.R
HUSBAND’S NAME : VEKATESH J
DATE OF BIRTH : 24-04-1975
GENDER : FEMALE
RELIGION : HINDU
NATIONALITY : INDIAN
LANGUAGES KNOWN : TAMIL ENGLISH HINDI SOURASTRA
PAN CARD NUMBER : ATBPP0407A
REFERENCE : Dr. S. Nagarajan M.Sc., Ph.D (Postdoctoral Research Scholar)
 Institute of Nuclear Science & Technology, Sichuan University
 P R China
 Mobile:+86 17323040760 +918072268617
 Email: nagaraj84@gmail.com

DECLARATION:

This is to declare that the above furnished information is true to the best of my knowledge. If you give an opportunity, I shall work at your fullest satisfaction.

Yours Truly

T.R. Banuprabha

(BANUPRABHA. T. R)

DATE : 26.09.2023

PLACE: PERIYAKULAM