



பெரியார் பல்கலைக்கழகம்
PERIYAR UNIVERSITY

NAAC A++ Grade- State University - NIRF Rank 59, NIRF Innovation Band of 11-50
SALEM - 636 011, TAMILNADU.

Registrar

Date: 10.08.2023

PU/R/CDC -9/Principal Approval/011136/2023

Sir/Madam,

Sub: Periyar University, Salem -Permission Granted - Qualification approval for Principal - Reg.

Ref: 1. Your letter dated: 15.06.2023.

2. Vice Chancellor order dated: 08.08.2023

3. Higher Education (H1) Department G.O M.S. No.325, Dated: 18.08.2003.

4. Periyar University, Salem, 113th Syndicate Meeting heldon:18.05.2023.
Minutes No: 113T(2)

With reference to the above, I am by direction to inform that Qualification approval is hereby granted for **Dr J. Caroline Rose**, St. Joseph's College of Arts and Science for Women, Krishnagiri - 635 126. Further, it is informed that the Principal will be permitted to work up to 64 years of age.

Kindly acknowledge the same.

Note: This order will be invalid, if the transfer/resignation of the principal is not informed to the University on time.

K. Nyal
Registrar
11.8.23

To

✓ The Secretary

St. Joseph's College of Arts and Science for Women

Mookandapalli 'SIPCOT' Hosur Post

Krishnagiri - 635 126.

Copy to:

1. Dr J.Caroline Rose

Principal

St. Joseph's College of Arts and Science for women,

Mookandapalli, 'SIPCOT' Hosur Post

Krishnagiri Dist - 635 126.

2. The Controller of Examinations, Periyar University, Salem - 11

3. R-2 Senate Section (Enclosure: 10th Mark Sheet Xerox)

At Present working as a Principal in St.Joseph's College of Arts and Science for Women, Hosur from 2024 to till date.

Academic Qualification

1. Completed Doctor of Philosophy under Periyar University, Salem. (Title – Biochemical and Immunological aspects of dengue fever in Salem)
2. Completed Master of Philosophy under Bharathidasan University, Trichy in 2004 (76%).
3. Completed PGDEE (Equivalent to M.Sc) in Indian Institute of Ecology and Environment in 2000
3. Postgraduate Degree in Biochemistry from VVV College, Virudhunagar, Madurai Kamaraj University in 1995 (70%)
4. Undergraduate Degree in Biochemistry from M.G.R College, Hosur, University of Madras in 1992 (70%)
5. Completed a diploma in medical lab technology in 1993
6. Completed B.A English Literature ,Annamalai University (dual degree scheme)
7. Completed PGDCA

Teaching Experience

1. Worked as Head and Assistant professor in Biotechnology , Arignar Anna College(Art &Science) Krishnagiri from 2014 to 2024.
2. Worked as **Assistant Professor , Department of Biosciences** in AMC College, Bangalore from 2010 to 2013
3. Worked as **Assistant Professor and Head, Department of Biochemistry** in M.G.R College, Hosur from 1996 to 2009 and during this period I have taught for Biomedical engineering students of Adhiyamaan engineering college also.
4. Worked as **Lecturer in Biochemistry** in AVS College Salem from May 1996 to Aug 1996
5. **Worked as Consultant Biochemist and lecturer** in Jaya Paramedical college, Karungal Tamil Nadu (8 months).
6. **Worked as Consultant Biochemist and lecturer** in Vivek Diagnostic and Research Centre, Nagercoil, Tamil Nadu (4 months)

Research Experience

1. Worked on “Biochemical and Immunological aspects of Dengue in Salem,Tamilnadu
2. Worked on Role of plant growth hormones in regeneration of *Stevia rebaudiana*

Papers Published

1. A study of serum liver enzymes and lipid level in patients with salmonella typhi, *IUP Journal of biotechnology*, Vol V No.1 2011
2. Alteration in liver enzymes in Dengue patients ,Salem ,Tamilnadu, *Journal of Global Biosciences* Volume 4,Number 6 ,2015 , 1497-1507
3. Vermicomposting Parthenium hysterophorus by Eudrilus eugeniae and effect of compost on *lycopersicum esculentum* *IUP Journal of biotechnology*, Vol V No.2 2011
4. Study of lipoprotein level changes in Dengue infected patients in Salem, Tamilnadu. *International Journal of Biotechnology and Biochemistry*-Vol 7 ,351-361
5. Invitro antimicrobial and antioxidant activity of *Momordica charantia* leaves – *Pharmacophore* , Vol.2, Issue-4; July-August 2011.
6. A comparative study of glycosylated Hb and lipid profile in insulin dependent and non insulin dependent diabetes mellitus- *International Journal of Biomedical and Health Care Science*-Aug 2011
7. Invitro Anti-Inflammatory Activity Of *Momordica charantia* By Inhibition of Lipoxygenase Enzyme, *International Journal of Pharmacy and Pharmaceutical Sciences*, Vol 4, Suppl 1, 2012
8. Statistical Optimization of Monocrotophos Biodegradation Using *Staphylococcus* Species, \ *International Journal of Science and Research* Vol 7 Issue 1, January 2018
9. Antimicrobial studies of perularia *daemia* against human pathogenic organisms, *pharmacophore* 2016, vol. 7 (4), 265-268
10. Electrolyte disturbance in Dengue infected patients in Salem,Tamilnadu. *IJAPBC* – Vol. 3(4), Oct - Dec, 2014
11. Molecular Docking Studies Of *Wattakaka Volubilis* Flavonoids As Insulin Receptor Tyrosine Kinase Activator as Cure For Diabetes Mellitus, *Pharmacophore* 2014, Vol. 5 (4), 509-516

12. Alteration Of Circulating Antioxidant In Dengue Patients In Salem District, Tamilnadu
int.J.Inv.Pharm.Sci.,3(1)2015;958-960
13. Molecular Docking Studies Of *Pergularia Daemia* Bioactive Compounds With Therapeutic Targets Of Arthritis, EJBPS, 2016, Volume 3, Issue 9, 413-416.
14. Comparative evaluation of phytochemical constituents of various extracts of leaves and roots of *pergularia daemia* .WJPPS. Vol 5, issue 9, 2016.
15. Changes of haematological parameters in dengue infected patients, Tamilnadu, MCAS
journal of research vol – 1
16. Alteration Of Circulating Antioxidant In Dengue Patients In Salem District, Tamilnadu,
Int.J.Inv.Pharm.Sci.,3(1)2015;958-960
17. Biodegradation of organophosphorus pesticide using immobilized Esterase and Toxicity assessment , Journal of Global Biosciences, Vol 7 No-1 2018, pp 5331-5341
18. Bioelectricity Production through PMFC using *Bryophyllum Pinnatum* in Association with Microbes, International Journal of Science and Research (IJSR), Volume 11 Issue 7, July 2022, 410-415
19. Isolation, Characterization of Chitosan Polymer from Mulberry Cocoons for Enzyme Immobilization, International Journal of Science and Research (IJSR) , Volume 11 Issue 9, September 2022, 1000-1006
20. Biodegradation of Tannic Acid, Chromium and Cadmium Present in Leather Industrial Effluents Using Microorganisms Isolated from Leather Industrial Sludge, International Journal of Research and Review, Vol.8; Issue: 12; December 2021, 503-512.
21. Isolation ,Identification and characterization of polyphenol degrading bacteria from leather Industrial Sludge, IJEP ,41 (11) 2021, 1256-1260
22. Screening and Evaluation of Potential Antifungal Plant Extracts against Skin Infecting Fungus *Trichophyton rubrum*, Pharmacogn. Res., 2023; 15(2):328-337
23. Identification and In Silico Analysis of Interaction of Active Compounds in *Pimpinella anisum* with *Trichophyton rubrum* Aspartate-B-Semialdehyde Dehydrogenase and Sialidase, Indian J Pharm Sci 2024;86(3):872-881
24. Evaluation of Acute Toxicity and Histopathological Examination of the Freshwater Fish *Labeo rohita* IJEP 43(9): 858-864 : Vol. 43 Issue. 9 (September 2023)

Papers Presented in Conferences

1. Role of plant growth hormones in regeneration of *Stevia rebaudiana* .UGC sponsored national conference, M.G.R college ,Hosur
2. Microbiological assay of water purity in Krishnagiri Dt.,4th National conference in emerging trends in biotechnology M.G.R college ,Hosur
3. Effect of Tomato and Banana stem juice on Renal Calculi. National conference of IAAM in emerging trends in Bioscience M.G.R college ,Hosur
4. Degradation of PAH using microbes isolated from soil near vehicle wash stations in Krishnagiri District , Thiruvalluvar university, Vellore.
5. Fatty acid composition in commercial and virgin oil of coconut (*Cocos nucifera*) and Groundnut (*Arachis hypogaea*)- A Comparative study- Thiruvalluvar university, Vellore.
6. Formulation of *Carica Papaya* leaf juice using natural sweetening agent- Thiruvalluvar university,Vellore.
7. Effect of Lycopersicon, Citrus and Dionil on renal calculi National conference , Muthyammal college, Rasipuram
8. Production of bioethanol from fruit peels by saccharification and fermentation, M.G.R college , Hosur
9. Gene therapy , National seminar Gonzaka college ,Krishnagiri
10. Screening and identification of potential antifungal plants, Dayananda Sagar University, Bangalore,
11. A study on toxicity of Cadmium, Chromium and Tannic acid on germination of groundnut seeds and isolation of microorganisms to degrade Cadmium, Chromium and Tannic acid from leather industrial sludge, Oxford College .Bangalore
12. Optimization And Biodegradation Of Chromium Present In Leather Industrial Effluents Using Indigenous Microorganisms Isolated From Leather Industrial Sludge, Jain University Bangalore
13. Optimization Of Tannin Biodegradation Using Individual And Combined Cultures Of Microorganisms Isolated From Leather Industrial Sludge , MGR College .Hosur
14. Biodegradation of Cr (VI) using microorganisms and plant Extract“Millets: Genomic and Biotechnological Approaches: Impact on Health and Nutraceuticals”,Garden City University in association with Karnataka State Higher Education Council.

15. Isolation of Microorganism from Leather industrial sludge for the Biodegradation of Tannin
Futuristic trends in Biological Sciences for sustainable Development(NCFTBS2K25), Vivekananda
Arts and Science College for Women ,Sankagiri.

Workshop & Seminars Organized

1. One Day International Seminar On Current Trends & Developments In Biomedical Sciences
Arignar Anna College (Arts & Science)Krishnagiri
2. Indo-US Workshop on Molecular Techniques in AMC College Bangalore
3. workshop on Basic Biochemical technique in AMC College ,Bangalore
4. Three days' workshop on Molecular Biology and genetic engineering techniques organized
in M.G.R College in association with Medox Biotech Pvt Ltd
5. one day International Lecture workshop in Genetic Disorders in Arignar Anna College ,
Krishnagiri
6. Two days Workshop in Plant tissue culture and Gene transfer
7. Organised Scientia Carnival Disorders in Arignar Anna College , Krishnagiri.

Other Programs organized

1. Cochaired the session on Plant and Agricultural Science in National seminar on current
trends in biological sciences in Avinashlingam deemed university
2. Quiz competition in National level seminar conducted in AMC College Bangalore
3. Biofilm on Life in AMC College, Bangalore
4. Biofare in MGR College, Hosur
5. Quiz in National Science day conducted by Karnataka science and technology in AMC
College.
6. Food & nutrition expo In Arignar Anna College (Arts & Science) Krishnagiri
7. Food festival 2018 In Arignar Anna College (Arts & Science) Krishnagiri
8. BITEAS 19 In Arignar Anna College (Arts & Science) Krishnagiri
9. food festival 2019 In Arignar Anna College (Arts & Science) Krishnagiri
10. BITEAS 20 in Arignar Anna College (Arts & Science) Krishnagiri

Workshop & Seminars Attended

1. DST-SERB sponsored 3rd National conference on emerging trends and new challenges in Biotechnology- Bioenergy – A step towards sustainable future , MGR College , Hosur
2. National conference on Application of plant metabolites and Vaccine production , Selvam Arts and Science college ,Salem
3. One day international workshop on Nanoscience and Technology ,AAC Krishnagiri
4. One day training programme in URKUND : Plagiarism detection software for research supervisors
5. International Seminar on Nanobiotechnology in Cancer research in Periyar university
6. Global Challenges in Marketing in AAC , Krishnagiri
7. DST-SERB sponsored 3rd National conference on emerging trends and new challenges in Biotechnology in MGR College , Hosur
8. National Seminar in Cancer Biology – Drug Discovery and Novel Therapeutics , Saiva Bhanu Kshatriya college, Aruppikotai
9. BIOSUMMIT 2014 and Prof K.J Endowment lecture series ,VIT Vellore
10. 12th National level biological congress in Muthayammal College Rasipuram
11. NAAC Workshop on Quality Assesment and Accrediation in AMC College
12. Indo-Australian conference on Biotechnology in Medicine in IISc, Bangalore
13. Workshop on PCR and ELISA in AMC College
14. Designinig and Ethics of Research in Muthayammal College Rasipuram
15. Workshop on Biotechnological aspects of Environmental Degradation and protection in Oxford college of Science ,Bangalore
16. National Science Day 2012 on Clean energy options and Nuclear Safety in AMC College organized by AMC College and Karnataka Science and Technology Academy
17. UGC sponsored refresher course in Biochemistry in Avinashlingam Deemed University
18. National level seminar on current trends in Biological science in Avinashlingam Deemed University
19. Workshop on Application of spectroscopy in industry and medicine in Workshop on Application of spectroscopy in industry and medicine
20. National level seminar on trends and needs on green manure in National level seminar on trends and needs on green manure
21. State level seminar on molecular basis of disease in Biochemistry in Prof.Dhanabalan college, Chennai
22. Biotechnology in Genomic era in Adhiyamann college of Engineering, Hosur.

23. Workshop on Latex in St.Joseph college, Trichy
24. 4th National Conference of IAAM on Emerging trends in Biosciences organized by M.G.R. College & IAAM
25. Workshop on recent techniques in molecular biology organised by M.G.R. College & Genei Pvt Ltd. Bangalore

RESOURCE PERSON

1. 2013 –Biochemical Aspects of Dengue fever , KGF College of Dental Sciences
2. 2013- Dengue Fever – A threat to human race , Jain college , KGF
3. 2013 – Innovations in Biotechnology – Arignar Anna college
4. 2016- Environment and Pollution – TNSCST, AAC, Krishnagiri
5. 2017- Azolla ans Biofertiliser – TNSCST, AAC, Krishnagiri
6. 2018-Bioluminescence – A wonder –St.Josephs college , Hosur
7. 2018 – Wonders of Under water AAC Krishnagiri
8. 2018 – Biochemistry and Nutrition, Jain college , KGF
9. 2019- Pollution and Spirulina cultivation - TNSCST, AAC, Krishnagiri
10. 2021- Multidisciplinary research , Jain college , KGF

PAPERS HANDLED

1. Biochemistry and Toxicology
2. Clinical Biochemistry and haematology (Theory and Practical)
3. Clinical Pathology and Histopathology
4. Microbiology (Theory and Practical)
5. Human Physiology, Anatomy and Nutrition
6. Biomolecules (Theory and Practical)
7. Biomedical Instrumentation
8. Analytical Biochemistry
9. Molecular Biology
10. Metabolism
11. Cell Biology and Immunology
12. Enzymology
13. Hormones and Endocrinology

EXAMINERSHIP – Past 10 years

1. Periyar University
2. Sathyabama university
3. Pondicherry University
4. Selvam College
5. NGP College

BOOK PUBLISHED

1. Plant Science **ISBN 978-613-9-88963-1**, LAP LAMBERT Academic Publishing, July 2019.
2. A Text Book of Biotechnology **ISBN-13: 978-93-6260-150-6**, Charulatha Publications, April 2024.

SELF ISBN BOOK PUBLISHED

1. MCQ on Bio-Chemistry **ISBN NO: 978-93-3402-862-1**
2. Molecular Biology **ISBN NO: 978-93-6128-704-6**

Other Details

1. Chairman in **PG Biochemistry and Medical Biochemistry** Department Valuation Board in Periyar University till September 2009.
2. Chairman in **PG Biochemistry and Medical Biochemistry** Board of studies in Periyar University from 2007 to 2009.
3. Member and Adhoc Chairman UG Board of studies in periyar university from 2007 to 2009
4. Guided M.Phil Students of Periyar University and Bharathidasan University.
5. Currently 3 students –are Pursuing Ph.D. under my guidance.



**NOVEL
RESEARCH
ACADEMY**



NATIONAL FACULTY AWARD 2024 - 2025

NOVEL RESEARCH ACADEMY

Puducherry, India

ISO 9001: 2015 Certified

(A Division of New Swertia Publications)

UDYAM REGD. NO.: PY-03-0003542

(A Registered Enterprise under the Govt. of India)

Ref: NRA/LAA/0113359/2024-2025

Certificate of Merit



This is to certify that

Dr. J. CAROLINE ROSE

PRINCIPAL

St. Joseph's College of Arts and Science for Women

Hosur, Tamil Nadu, India

has been honoured with

LIFETIME ACHIEVEMENT AWARD

The Academy congratulates Dr. J. Caroline Rose on the remarkable academic achievement in administration and management, along with the significant contributions as Principal of the College. These accomplishments have been recognized and adjudicated by the Novel Research Academy, Puducherry, India. The Academy extends its best wishes for continued success and many more laurels in the future, which will undoubtedly contribute to the promotion of higher education in India.

Date & Place: 26th September, 2024, Puducherry, India



Dr. D. Mohandass, M.Sc., Ph.D., PPF (Abroad)

Young Scientist Fellowship (Abroad)

Assistant Professor (Abroad)

Founder & Director

Novel Research Academy

<http://www.newswertia.com/certificates/certificate/dr-j-caroline-rose/>