

PROFILE



NAME & QUALIFICATION : K.Chitra devi M.Sc.,M.Phil.,(Ph.D.,)

DESIGNATION : Assistant Professor

DEPARTMENT : Microbiology

Email Id : chitradevik@yahoo.com

Official Id : chitradevik@sigc.edu

Subject Specialization : Medical Microbiology

CAREER OBJECTIVE:

“I am seeking an opportunity to merge my initiative, enthusiasm with 15+ **Years** of proficiency to add value, both to the organization and myself. To aim at expanding my horizons and developing skills in the field of “ **Educational Administration**” and to work in a dynamic environment that provides opportunities for my growth.”

SKILL SUMMARY:

- ☑ Communication Communicate Precise Information, Defining, Explaining, Ideas, Teaching/Training, Listening, Negotiating, Presenting & effective clientmanagement.
- ☑ Managerial Analyzing, Assigning, Coordinating, Decision Making, Delegating, Flexibility, Implementing, Inspecting, Instructing, Motivating, Organizing, Problem Solving, Scheduling, Staff Development, Resource Management, Accounting & Finance and Project Control.
- ☑ Leadership Ability to learn, Adaptable, Ambition Drive, Assertive, Confident, Self-Motivated, Tactful, Team Leader, Listening, Reflective, Resourceful and Problem Solving.

EDUCATIONAL QUALIFICATION :

EDUCATION CREDENTIAL DEGREE	INSTITUTION	YEAR
M.Phil [Microbiology]	Bharathidasan University, Trichy	2007
M.Sc [Microbiology]	Shrimati Indira Gandhi College, Trichy	2006
B.Sc [Microbiology]	Shrimati Indira Gandhi College, Trichy	2004
Class XII	Noyes Matric Hr. Sec. School, Madurai	2001
Class X	Chidambaram Chettiar Girls Hr. Sec. School, Karaikudi	1999

CERTIFICATIONS

COURSE NAME	INSTITUTION	YEAR
PG Diploma [Bioinformatics]	Shrimati Indira Gandhi College, Trichy	2004-2005
Diploma [Medical Lab Technician]	New Delhi Board	2001-2002

WORK EXPERIENCE

1. **Shrimati Indira Gandhi College, Trichy**
Designation: Asst Professor **2015 to till date**
2. **Shrimati Indira Gandhi College, Trichy**
Designation: Asst Professor **June 2006 to May 2013**

SYNOPSIS

- Having 15+ Years of experience in Educational Lecturing Field and doing Ph.D.,
- Organizing secretary in all committees and extra-curricular activities.
- Knowledge in new educational trends and also guide the students in a proper way.
- I had arranged many Industrial visits and Placement.
- Criteria V Champion. Worked in 4th Cycle of NAAC.
- Join secretary in College Alumnae
- **IPR Co-Ordinator activity in Institution's Innovation Council.**
- Participated in **International NAAC Awareness program** conducted by Primax Foundation at Bangalore
- I have done the online course through **Udemy in Fundamentals of Advanced Biological Techniques –Part-I**
- Completed certificate course for **Nano Diploma in Medical Science** with a credit score of 7.5 points through **edapt** learning
- Successfully attended and **completed 60 No of Webinar programmes.**
- Participated in International NAAC Awareness program conducted by Primax Foundation at Bangalore
- I had acted as a Deputy warden in the year of 2007-2008.

FUND RECEIVED

- Received student project fund Rs.10,000 for M.Sc., project from **Tamilnadu state council for Science and Technology** during the year 2021 in the Title Potential inhibitor of COVID-19 from spices compounds-Molecular docking study.
- Received Rs.20,000 fund at Start up mela 5.0 conducted by St. Joseph's of Management on 6th March 2023, Product: Vegan Leather.
- Received Rs.50,000 fund for Study on the status of Health, Personal mensural hygiene Management, spreading menstrual education of women & adolescent girls in Sangarapuram Karaikudi from KR FUELS, Trichy during the year 31.03.2020.

RESOURCE PERSON DETAILS

- I had acted as a **One month Online Course Co-Ordinator & resource person** associated with Microbiologists Society, India
- I had acted as a **Resource person in Online Faculty Development programme on Cancer Immunology for PG Assistant Biology School Teacher**, Tamilnadu Chapter, MBSI.
- Department of Microbiology and Bio chemistry organized one day workshop on Mushroom cultivation on 27/09/2023 at M.I.E.T College, Trichy.

MEMBERSHIP DETAILS

- Lifetime member in **INSC**(Institute of Scholars,Bengaluru)
- **Lifetime member in Microbiologists Society,India**
- **Book Editor in IIP** (Interactive International Publisher)
- Question paper setter to many college more than 10 Years

Award received

- Received “**Sathanai Penmani Award**” for creation of educational awarenessby Ajanta Fine Arts,Chennai.
- Received “**Young scientist Award** “for VD Good professionals
- Recieved “**Best Teacher Award**”for **INSC**(Institute of Scholars,Bengaluru)
- Received “**Leading Educationist of India Award**” for Friendship forum, New-Delhi
- Received” **Bharat Excellence Award for overall Excellence** (Friendship forum, New-Delhi)
- Received “**Rising Women of India Award**” (Friendship forum, New-Delhi)

BOOK PUBLISHED DETAILS

- I had one book published as well as INFLIBNET also.
Book Name:Fundamentals of Environmental Science
ISBN NO:978-93-95331-18-0
- I had Act as a Book editor in IIP (Interactive International publisher)
Book series : Futuristic trends in medical science & completed the book chapter.
Book Name: Futuristic Trends in Medical sciences
ISBN NO: 978-93-95632-92-8
Chapter 9: topic : History of medicine

CONFERENCE PROCEEDINGS

- Organized By : Primax Foundation, Bangalore in Association with Aaarya Business College
Singapore Presentation Venue : **Singapore**
Title : Green Marketing
Chapter : Current trends, Challenges and future scope of Green Marketing
Book : Suraj Punj Journal of Multidisciplinary Research
Publisher Code : ISSN No : 2394-2886, Impact Factor 6.1, UGC S No: 64786, ISO : 7021-2008
- Organized By : Primax foundation, Bangalore in Association with Gulf American University, Dubai
Presentation venue : **Dubai**
Title : Phytoremediation and Bio-remediation-combined effect on Dairy effluent treatment with Cyanobacteria and Pseudomonas sp

Journal name : An Annual Interdisciplinary journal of History (UGC Care listed journal)
Publisher code : ISSN: 0976-075X, Impact factor 5.60 Volume-06 Issue-2 April 2020

- Organised By:Department of Biochemistry,Shrimati Indira Gandhi College,Trichy
Organizes One day National Seminar(11.10.2023) Sponsored by ICSSR & MHRD,
Govt.of.India
Title :Study on Anti-arthritic and antimicrobial activity of leaves of Mukia mederspatana
Book Name:Impact of Non-Communicable diseases in India
ISBN No:978-93-5980-288-6

PATENT PUBLISHED DETAILS

- Patent published “A Machine learning based approach to plot Graphs based on StatisticalData Analysis of patients Suffering from Cancer due to Smoking”received April 8.
- Patent Published “Artificial Intelligence based technique to analyze the Antibacterial Properties of Silver Nanoparticals” received May 5th
- Patent Published” Machine learning based approach to Analyse the Protein Sequences in Diabetic Patient and Efficient Segregation of Types of Diabetes” received May 13th.
- Patent Published”Medical plant leaf extracts that are used to treat plant diseases were put up against each other in a physico chemical test”Received July 7th
- I had published **Patent in College name**”Extraction and identification of Anti bacterial and Anti viral compounds from poly herbal extract with spices-An in-vitro and in-Silico Analysis”received Aug 18th.
- I had published design patent”Bio-chemical Analyzer”received December 2022
- Patent published”Production of Eco-friendly bio plastic cups from Agro wastes”received march 2023.
- Patent filed “Portable device for measuring sugar level through Saliva”Nov 2023

PAPER PUBLICATIONS(SCI INDEXED JOURNALS)

- Enhancement of pigments production in the green microalgae *Dunaliella salina*(PSBDU05)under optimized culture condition published by **Bioresource Technology Reports**,March4,2021
- In vitro study of antioxidant,antidiabetic and antiurolithiatic activity of synthesized silver nanoparticles using stem bark extracts of *Hybanthus enneaspermus* published by **Biocatalysis and Agricultural Biotechnology**,November 2021
- Antibacterial attributes of various Mushroom Mycelium extracts against Anti-Infection safe *Aeromonas hydrophila* **journal of Xi'an Shiyou University,Natural Science Edition** volume 18 issue10 october2022.
- Case studies on the therapeutics use of herbal plant among cancer patients, journal of European chemical Bulletin,Volume 12(3) 162-176,June 2023.

WEB OF SCIENCE JOURNALS

- Pharmacognostic and Phytochemical Features of *Cleome gynandra* Whole Plant and its Powder.(2022)International Journal of Life science and Pharma Research12(6)ppL36 -46.
- Effect of *Andrographis echioides*(L)Nees Plant Extracts as an Antiulcer and Antioxidant Agent(2022)Research Journal of Agricultural Science13(4)ISSN:0976 -1675. July2022.
- Antiulcer and Antioxidant potentials of *Cleome gynandra* whole plant extracts (2022)Published by International Journal of Biology,Pharmacy and Allied Sciences11(11)ISSN:2277:4998.NOV2022.
- Pharmacognostic and phytochemical features of *Andrographis echioides* whole plant powder (2022) international of journal of life science and pharma research 12(5) ISSN 2250- 0480 SEP 2022.

LIST OF JOURNALS

- Optimization of Lipase production using *Bacillus subtilis* by response surface Methodology International Journal of Biological, Veterinary, Agricultural & Food Engineering Vol:6No:9,2012.
- Biosynthesis of Silver Nanoparticles from Endophytic Bacteria, Antibacterial activity and Molecular characterization of *Bacillus subtilis*, International Journal of Advanced Research, Impact factor 4.5, ISSN NO- 2320-5407,4(3),Pg1291-1297, Mar-16.
- Isolation , Identification & Control of Bacteria & Fungal microorganisms from contaminated currency notes, International Journal of Advanced Research, 4.5, 2320-5407,4(3),Pg467-472 , Mar-16.
- Screening and Production of Biodegradable plastics from Marine *Bacillus* spp. International Journal of Current Research, 6.3, 0975-833x,8(4),Pg 29224-29229, Apr-16.
- Studies on Spices Mycobiota and Mycotoxin available in Trichy Market , International Journal of Pharmacy and Integrated life sciences, 2.8, 2320-0782,4(10)Pg1- 18, Aug-16
- Isolation &Molecular characterization of histamine producing Bacteria isolated from fish, International Journal of Pharmaceutical research & Bioscience, 5.567, 2277-8713,5(6),Pg45-54, Dec-1
- Effect of Clove & cinnamon oil against *E.coli* isolated from meat, International Journal of Biology Research, 5.22, 2455-6548,2(1),pg5- 8, Feb-17.
- Calcium precipitating bacteria on biomimetic coating material, International Journal of Pharmaceutical research & Bioscience, 5.567, 2277-8713,6(2),Pg14-24, Apr-5th.
- Comparative Study of Developed PHB Nanoparticles with *Plectranthus Amboinicus* on Cotton Gauze for Biomedical Applications, Journal of Emerging Technologies and Innovative Research, IF: 5.87 ISSN:2349-5162, Vol 6, Issue 4, Page No: 569-579, April 2019.
- Biocontrol of aflatoxigenic *Aspergillus flavus* in the feed maize by various plant essential oil International journal of life science pharma research ISSN 2250- 0480, special issue 14.
- Current trends and future scope of Green Marketing,Suraj punjab of Multidisciplinary Research,Publisher code ISSN No : 2394-2886, Impact Factor 6.1, UGC S No: 64786, ISO : 7021- 2008.

- Phytoremediation and Bio-remediation-combined effect on Dairy effluent treatment with Cyanobacteria and *Pseudomonas sp*, An annual Interdisciplinary journal of History:ISSN 0976-075X, Impact factor 5.60, Volume-06 Issue-2 April 2020.
- Biocompatible synthesis of TiO₂ Nanoparticles using Aloe vera extract and its application for textile dye degradation. *Juni Khyat*, 10(5):259-275.

DIRECT PAPER PRESENTATIONS

- **Paper presented in Singapore** organized by Primax foundation in Association with Aaarya Business College, Singapore in the topic Current trends and future scope of Green Marketing on June 4th, 2019.
- **Paper presented in Dubai** organized by Primax foundation in Association with Gulf American University, Dubai in the topic Phytoremediation and Bio-remediation-combined effect on Dairy effluent treatment with Cyanobacteria and *Pseudomonas sp* on 17th Feb 2019.
- **Paper presented in STET Mannargudi** Organized by PG & Research Department of Bio chemistry in association with IQAC in the topic Transcriptional Regulatory protein Com A Inhibition properties of *Moringa sps* on Feb 10th, 2023
- **Paper presented in STET Mannargudi** Organized by PG & Research Department of Bio chemistry in association with IQAC in the topic Study on Antifreeze protein profile of Bacteria isolated from frozen in the Dairy products on Feb 15th 2023.
- **Paper presented in Jammal Mohammed College(Autonomous), Trichy** Organized by PG & Research Department of Bio chemistry in association with Microbiologists Society, India in the topic Future challenges of Microbes in Environment on Feb 23rd 2023.

WORKSHOP/SEMINAR/SYMPOSIUM ATTENDED

- Paper presented in the National Seminar on “Frontiers in Bio-mimicry Medicine (FBM 2019)” Organized by PG and Research Department of Microbiology, Srinivasan College of Arts and Science, Perambalur held on Feb 1st.
- National level seminar on “Emerging trends in biological sciences” organized by Dept. of Microbiology & Biochemistry on 9-10 October 2006 at Shrimati Indira Gandhi college, Trichy.
- National Seminar on “Future Prospects in Biological Research” organized by Dept. of Microbiology & Biochemistry on 6-7 October at St. Joseph’s College, Cuddalore.
- Isolation and identification of bacterial pathogens from wound sample and analysis antibacterial activity medicinal plants against wound infections.
- International Conference on “Clinical Research” organized by Dept. of Biochemistry on 25 January 2016 at Shrimati Indira Gandhi College, Trichy.
- One day National Seminar on “Communicable Diseases and Environmental Determinants in Health” sponsored by Indian Council of Social Science Research (ICSSR), Ministry of Human Resource Development (MHRD), Government of India held on 30.03.2022.
- State level seminar on “Recent trends in Bio-sciences on 24 August 2011, organized by Dept. of Microbiology, at Shrimati Indira Gandhi college, Trichy.
- National conference on Microbiological research in 21st century on 27-28, February, organized by Dept. of microbiology at Bharathidasan university, Trichy .
- Workshop on preparation of vermicompost on 19.9.15 organized by Dept. of microbiology, at Shrimati Indira Gandhi college, Trichy.
- Hands on training programme of “Recycling of campus waste through eco-friendly vermicomposting” on 19.12.15 organized by Dept. of microbiology, at Shrimati Indira Gandhi college, Trichy.
- A State level Workshop on “Production and Formulation of Bioinoculants” Organized by P.G. and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Trichy in association with Internal Quality Assurance Cell (IQAC) held on 31st March, 2022.

- National Workshop on Molecular Methods in Taxonomy to Biotechnology of Actinobacteria and Cyanobacteria(MoMeTBAC-22)Organised by the Department of Microbiology, Bharathidasan University,Trichy,held on March 8-10th,2022.
- National workshop on “Recent trends in Spirulina and cultivation methods”on January2016, organized by Dept.of.microbiology,Selvam Arts and science college,Namakkal.

Innovation Ambassador for Institutions Innovation Council (IIC)

Attended training programme

- Under gone Innovation Ambassador training Advanced level conducted in online mode by MOE’S Innovation cell &AICTE DURING THE IIC CALENDAR (2021- 2022) Date of issue : 20/01/2023 (15 sessions, 30hrs)
- Under gone Innovation Ambassador training FOUNDATION level conducted in online mode by MOE’S Innovation cell & AICTE DURING THE IIC CALENDAR (2021- 2022) Date of issue : 28/12/2023 (15 sessions, 30hrs)

EDUCATIONAL AMBASSADOR:

I Had certifying as “INTERNATIONAL EDUCATIONAL AMBASSADOR”,received from “Bestow Edutrex International”Date of Issue:Nov 27,2022.

SUMMER COURSE

- One day summer course on Mushroom cultivation and vermicomposting,30.04.2012 organised by Dept.of.microbiology, at Shrimati Indira Gandhi college,Trichy.
- Summer course cum awareness on “Herbs As Nutraceuticals” organised by Dept.of.biochemistry,at Sri Jeyandra Matriculation School,Trichy
- Summer course cum hands on training on vermicomposting to create awareness among students on environmental protection 27.04.2015 organised by Dept.of.microbiology, at Shrimati Indira Gandhi college, Trichy.
- Summer course on Spirulina cultivation on 11.04.2016 organised by Dept.of. Biochemistry, at Shrimati Indira Gandhi college.

- Summer course on Composting of coir on 13.04.2016 organised by Dept.of. Microbiology, at Shrimati Indira Gandhi college

FACULTY DEVELOPMENT PROGRAMME

- One day summer course on Mushroom cultivation and vermicomposting,30.04.2012 organized by Dept.of.microbiology, at Shrimati Indira Gandhi college,Trichy.
- Summer course cum awareness on “Herbs As Nutraceuticals” organized by Dept.of.biochemistry,at Sri Jeyandra Matriculation School,Trichy
- Summer course cum hands on training on vermicomposting to create awareness among students on environmental protection 27.04.2015 organized by Dept.of.microbiology, at Shrimati Indira Gandhi college, Trichy.
- Summer course on Spirulina cultivation on 11.04.2016 organized by Dept.of. Biochemistry, at Shrimati Indira Gandhi college.
- Summer course on Composting of coir on 13.04.2016 organized by Dept.of. Microbiology, at Shrimati Indira Gandhi college.
- Attended a FDP on “SPSS package” on 16.04.2010-17.04.2010 at SIGC,Trichy.
- “Naturopathy & diet management and mobile ration rings in cancer”on 2.2.14 at Shrimati Indira Gandhi College,Trichy
- “Effect of physiotherapy in pain relief management on 5.10.2015 at SIGC, Trichy.
- The demonstration on the use of IEEE all society periodical package on 11.8.15 at Shrimati Indira Gandhi College,Trichy
- Evaluation of bone density & haemoglobin level on 10.10.15 at Shrimati Indira Gandhi College,Trichy.
- Participated National workshop on Molecular methods in Taxonomy to Biotechnology of Actinobacteria and cyanobacteria, Bharathidasan University,Trichy,2021.
- Participated One day National Seminar on “Communicable Diseases and Environmental Determinants in Health”,Srimad Andavan arts and science College,Trichy, 2021.

- I **IPR Co-Ordinator of SIGC**,Conducted the intellectual property Awareness program under National Intellectual property Awareness Mission on April 26,2023 organized by Intellectual property office,**Government of India**.
- Five Days International Virtual Faculty Development programme on Recent trends in Biological Sciences from 16/10/2023-20/10/2023 at SRC College,Trichy-2
- Six Days Virtual Faculty Development programme on Biotechnology for Entrepreneurship and startup from 20/11/2023-25/11/2023 at Bon Socers College for Women, Thanjavur.
- Five Days Virtual Faculty Development programme on Recent Advance in Chemical Sciences from 27/11/202-01/12/2023 at K.S.R College of arts and Science for Women,Tiruchengode.

DECLARATION:

I here by declare that the above information given by me is true to the best of my knowledge.

Place: Trichy

Yours Sincerely,

Date:

(K. Chitra devi)