

Name: M. Andrew Pradeep

Designation: Head (UG) & Assistant Professor

Department: Postgraduate Department of Microbiology

Date of Joining: 14th December 2005

Phone with Extn. No: 9894905798

Email: micpradeep@gmail.com



Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
Ph.D.- Microbiology	Microbiology	Madurai Kamaraj University	2021
M.Phil., Microbiology	Microbiology	Periyar University, Salem	2007
M.Sc., Immunology & Microbiology	Microbiology	The American College, Madurai	2005
B.Sc., Microbiology (spl) Immunology	Microbiology	The American College, Madurai	2003

Ph.D. Thesis Title:

SCREENING FOR ANTIMICROBIAL AND ANTITUMOR PROPERTIES OF CHOSEN SEaweEDS AGAINST MICROBIAL CONSORTIUM AND CANCER CELL LINES

Specialisation in Teaching:

- Immunology of Infectious Disease
- Medical Microbiology
- Vaccinology
- Immunotechnology
- Cell culture

Specialisation in Research:

- Medical Microbiology
- Cancer Biology

Research Interests:

- Anticancer studies
- Medical microbiology

Administrative /Academic Position/s (held / currently holding):

Positions held / currently holding	Year - From (month/year) To month/year)
Head of the Department, UG Microbiology	2015 onwards
Project leader- Service learning program (Village Ecology)	06/2018- Till date
Co-ordinator, Department of Aquaculture	2021 onwards

Membership in Professional Bodies:

- Member of European Association of Cancer Research (**EACR9989**)
- Member of European Cervical Cancer Association
- Member of American Association of Cancer Research
- Annual Member of Association of Microbiologist India
- Annual Member of Indian Immunology Society

Publications:

Books:

- Rubika, S., Sornapriya, S. and **Andrew Pradeep, M.** **Study on Phytochemical Analysis and Antioxidant Activity of Brown Seaweeds, Turbinaria conoides** National Conference on “Emerging Trends in Algae” NCETA – 2019” 28th & 29th November, 2019 (Page no: 36) ISBN 978-93-89084-02-3
- Iswareya Lakshimi, V., Sorna Priya, S. and **Andrew Pradeep, M.** **Study on Phytochemical Analysis and Anticancer Activity of Turbinaria conoides against Lung Cancer** National Conference on “Emerging Trends in Algae” NCETA – 2019” 28th & 29th November, 2019 (Page no: 40) ISBN 978-93-89084-02-3
- Kaviraj, M., **Andrew Pradeep, M.,** and Joseph Thatheyus, A. **SCREENING OF ANTICANCER ACTIVITY OF KAPPAPHYCUS ALVAREZII AGAINST HUMAN BREAST CANCER CELL LINE (MCF-7).** National Conference on “Emerging Trends in Algae” NCETA – 2019 28th & 29th November, 2019 (Page no: 53) ISBN 978-93-89084-02-3
- **Andrew Pradeep, M.** and Joseph Thatheyus, A. **SCREENING OF ANTICANCER ACTIVITY OF KAPPAPHYCUS ALVAREZII AGAINST HUMAN CERVICAL CANCER CELL LINE (HELA)** National Conference on “Emerging Trends in Algae” NCETA – 2019” 28th & 29th November, 2019 (Page no: 58) ISBN 978-93-89084-02-3
- R.SethuNagarajan, M. **Andrew Pradeep, A.** Joseph Thatheyus. **The Screening of Antimicrobial activity of the Marine brown seaweed, Padinagymnospora against chosen clinical isolates.** 3rd International conference of KAAS-2018 Conference Proceedings, September 28 & 29,2018 (Page:MB02) ISBN: 978-93-81658 24-6

- Sibi Joy Manohar, **Andrew Pradeep M**, R Sethu Nagarajan. **Quantification of RNi-Prognosis marker for renal dysfunctioning among Leprosy patients**. 2nd International Online Conference on Biological Sciences (IOCBS) Conference Proceedings, July 22, 2018 Rayder publication (Page:96-101)ISBN: 978-81-934141-1-8
- **M.Andrew Pradeep**, D. Ramya, R.S Nandhini & I.Kirubakaran **A study on Susceptibility to Dental Caries, & Probiotic Activity Against the isolates among the Leprosy Patients**, Perspectives of Biotechnology –Hitherto and Henceforth **Pg43-53 ,ISBN:978-81-90864-91-6**
- T.Harimurali Krishna, **M.Andrew Pradeep**, Mohamed Nayeem. **A Quorum Sensing Targeted approach for Controlling the Persistent of Dental Plaque 2nd International Conference on Recent Trends in Microbiology** organized by Department of Microbiology ,Alagappa University, Karaikudi on January 2018 in collaboration with National Academy of Biological Sciences, Chennai. **ISBN :978-93-87102-50-7** Publisher: SHANLAX Publication.
- A.Bebin ,**M.Andrew Pradeep** and S.Bavithra Devi , **Screening for Blood Bacteraemia and associated coinfection among the patient with leprosy ”**. National conference on Recent trends in Life Science: Research, Practices and Application for sustainable development organized by Bharathiar University, Coimbatore on 7th and 8th September, 2017 in collaboration with National Academy of Biological Sciences, Chennai. ISBN: 978-93870-0007-0. Publisher: MacMillan Publisher, New Delhi
- **M.Andrew Pradeep** and M.Santhosh Kumar ,**Applying Metagenomics for High – Throughput discovery of Biodegradative genepool .** National conference on Recent trends in Life Science: Research, Practices and Application for sustainable development organized by Bharathiar University, Coimbatore on 7th and 8th September, 2017 in collaboration with National Academy of Biological Sciences, Chennai. ISBN: 978-93870-0007-0. Publisher: MacMillan Publisher, New Delhi

- R.K.M Rajeshwar, **M.Andrew Pradeep** and H.Dhaslima Nasreen “**Screening For Oral Candidiasis among Leprosy patients**”. National conference on Recent trends in Life Science: Research, Practices and Application for sustainable development organized by Bharathiar University, Coimbatore on 7th and 8th September, 2017 in collaboration with National Academy of Biological Sciences, Chennai. ISBN: 978-93870-0007-0.(Full Length Paper) Publisher: MacMillan Publisher, New Delhi
- **M. Andrew Pradeep**, G. Dhivya, D.Ramya, R. Sethu Nagarajan “ A STUDY ON IMMUNOMODULATORY EFFECT OF *Justicia gendarussa* (Burm) and *Cardiospermum halicabum* (Linn), Proceedings of National Seminar on Marine Resources - NSMR’16 (MARINE SCIENCE PUBLICATIONS IN GLOBE–AN ANALYSIS OF SCHOLARY INFORMATION.), 3rd and 4th March 2016, **organized by** The M.D.J Hindu College, Tirnelveli in Collaboration with Seaweed Research and Utilization and Association , CAS in marine biology , Annamalai University, during 3rd - 4th March 2016. Pg no.234-240, ISBN: 978-81-931973-9 -4.

Articles Published in International Journals:

- Solomon Raj J, **Andrew Pradeep M**, Nandhini R S, Stella Mary J. **Determination of oxidative stress and functional role of C-Reactive protein in patient with Tuberculosis.**BMC Infectious diseases 2020 (Suppl 1):324 Meeting abstracts(2020)(Abstract from the international Science Symposium on HIV and Infectious Diseases Held between October 12-14 2019). Page no:43
- Monish I, **Andrew Pradeep M**, Nandhini R S, Stella Mary J. **immune effector role of Serum selenium among patients with Tuberculosis.** BMC Infectious diseases 2020 (Suppl 1):324 Meeting abstracts(2020)(Abstract from the international Science Symposium on HIV and Infectious Diseases Held between October 12-14 2019). Page no:69

- **M.Andrew Pradeep***, A.Joseph Thatheyus **Profiling of Phytochemical and Antioxidant Potentials of Red Seaweed *Kappaphycus alvarezii***. 2019 Journal of Emerging Technologies and Innovative Research (JETIR) February 2019, (ISSN-2349-5162) Volume 6, Issue 2 Page no: 999
- **M.Andrew Pradeep***, A.Joseph Thatheyus **Screening Phytochemical Constituency Profiling and Antimicrobial Activity of brown seaweed, *Padina gymnospora* extracts against chosen isolates**, 2019 Journal of Emerging Technologies and Innovative Research (JETIR) June 2019, (ISSN-2349-5162) Volume 6, Issue 6 Page no: 799
- Husain R S. Akram, Ramya D, **Pradeep M Andrew**, Govindaraju S, Ramakrishnan V. **Knowledge on human papillomavirus and cervical cancer awareness among women in South India**. Saudi Journal for Health Sciences (2019).
- PrabhaThiagarajan,Saumit Kumar Mitra, **Andrew pardeep M**,Sethu Nagarajan R. **Study on the Vaginal Infections among poor women coolies at palayanur village (Sivagangai district): A Case Study**. International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol.6, Issue 1, page no. pp170-173, January-2019
- R.Sethunagarajan, **M. Andrew Pradeep**, Sibi Joy Manohar, Prabha T.R. **Screening of Ocular candidiasis among Leprosy patients**. Special issue by International Journal of Life science and Pharma Research ISSN 2250-0480; SP– 05; “National Conference on Unearth the new frontiers in life sciences -2019” Page 61-64
- R. Sethu Nagarajan, **M. Andrew Pradeep**, A. Joseph Thatheyus. **Food Additives and its Carcinogenic effect: An Overview**. International Journal of Research and Analytical Reviews Volume 6, Issue 1, February-2019. E-ISSN 2348-1269, P-ISSN 2349-5138.

- N. Jennifer Michellin Kiruba, **M. Andrew Pradeep** and A. Joseph Thatheyus. (2018). **Discovering Promising Anti-cancer Drug Candidates from Marine Algae.** Science International, 6: 44-50. DOI: 10.17311/sciintl.2018.44.50 , ISSN: 2305-1884
- **M. Andrew Pradeep**, Indira G and Sethu Nagarajan R. (2017).**Role of Serum Iron and its Association with Anemic Prevalence among patients with different types of Cancer,** International Journal of Research –Granthaalayah 5: 37-41. DOI: <http://doi.org/10.5281/Zenodo.574861>, IF 4.321(Cosmos Impact Factor), 20532(I2OR), IBI Factor 3.86, ICV :71.21 , ISSN-2394-3629
- Jennifer Michellin Kiruba.N, **Andrew Pradeep .M,** Jemima Balaselvi Juliana.S, **Study on Phytoconstituents and antibacterial activity of Kappaphycus alvarezii,** International Journal of Current Microbiology and Applied Sciences Vol 4 No 5, 2015 , PP 1209-1217 ISSN 2319-7706
- **M. Andrew Pradeep** , M.Thiruvalluvan V.Nalini, J.Stella Mary, **Zinc Deficiency and T Cell Dysfunctioning among Human Immunodeficiency Virus Sero Positives,** American Medical Journal 1(2), 83-86, 2010 , ISSN 1949-0070 , Science Publication .
- **M. Andrew Pradeep** , M.Thiruvalluvan V.Dhamodharan **A Study on Erythrocytic Determination of Anemic Condition among Human Immunodeficiency Virus Sero Positives,** American Medical Journal 1(2), 54-57, 2010 , ISSN 1949-0070 , Science Publication.
- **M. Andrew Pradeep** , M.Thiruvalluvan K.Aarthy , J.Stella Mary , **Determination of Iron Deficiency among Human Immunodeficiency Virus Sero Positives** American Medical Journal 1(2), 51-53, 2010 , ISSN 1949-0070 , Science Publication.

Articles published in National Journals:

- **Andrew Pradeep M,** Rajeshwar RKM, Bebin A, Pandiarajan P and Sethu Nagarajan R (2017). **Screening for antimicrobial effect of probiotic organisms against the**

chosen clinical isolates of leprosy patients, Journal of Global Biosciences, Volume 6, Number 7, 2017, pp. 5144-5151 , ISSN 2320-1355

- **D.Ramya, Andrew Pradeep .M, Sreya Johnson Screening for Scalp infection and antifungal activity of commercially available Shampoos against the isolates among Leprosy Patients**, Journal of Acta Velit Vol3, Issue 2,Nov 2016,PP :50-55
ISSN: 2394-3092
- **Andrew Pradeep .M, Haseena P.V, Joseph Thatheyus.A and Akarm Husain.R.S Screening for AntiCancer activity of Lycopene in combination with Vitamin E against MCF-7 and HEP-2 Cancer Cell lines**,Journal of Global Biosciences Vol 4 No 1,2015 ,PP 1239-1244 ISSN 2320-1355
- **Andrew Pradeep .M, Geetha Devi.C,Stella Mary.J,Role of Reactive nitrogen species in cardiac associated complication among type II Diabetic Mellitus patients**,Journal of Global Biosciences Vol 4 No 2,2015 ,PP 1551-1557 ISSN 2320-1355
- **Andrew Pradeep .M, Haseena P.V, Joseph Thatheyus.A and Akarm Husain.R.S Screening for AntiCancer activity of Lycopene in combination with Vitamin E against MCF-7 and HEP-2 Cancer Cell lines**,Journal of Global Biosciences Vol 4 No 2,2015 ,PP 1239-1244 ISSN 2320-1355
- **Andrew Pradeep.M, D.Ramya A Study on Susceptibility to Dental caries,& Probiotic activity against the isolates among the Leprosy Patients**, Journal of Food Process Technology Vol 3 2012 Issue 10
Page145 ISSN : 2157-7110
- **Andrew Pradeep M., MuthuMariappan .M, Determination of Serum Lipid Profile in Cancer Patients**, Online Journal Of Bio Sciences and Informatics , Vol 1, issue 1,2012 p-ISSN: 2348-8816

- **Andrew M Pradeep, KJ, Arun Prakash , Elamaran Quantification of reactive nitrogenintermediate among patients with different forms of cancer** Journal of Carcinogenesis, Vol 10, 2011, S6
- **Andrew M Pradeep, K.Anand , Viknesh K Quantification of Reactive Oxygen species and its association with anemic prevalence among patients with different type of cancer** Journal of Carcinogenesis, Vol 10, 2011, S18
- **Andrew M Pradeep, Uma Mageswari1, M Muthumariappan Screening of Bloodborne Pathogens and Antimicrobial Susceptibility Testing Among Cancer Patients** Asian Pacific J Cancer Prevention, Vol 11, 2010, 1431-1433

Conference / Seminar Presentations:

- Participated and Presented paper in the National Seminar on Marine Resources organized by Department of Zoology , The M.D.J Hindu College, Tirnelveli in Collaboration with Seaweed Research and Utilization and Association , CAS in marine biology , Annamalai University, during 3rd- 4th March 2016
- Participated in the DBT Sponsored National Conference on Community Microbial Consortia and the Human Holobiont – Implication of Yet – Unculturable Microorganism in Systemic Health , Disease and Personalised Medicineorganized by Department of Immunology and Microbiology The American College, Madurai, during 7th- 8th December 2015
- Participated in the world Immunology Day Seminar on Immunology Today organized by Aravind Medical Research Foundation ,Madurai on April 29th 2015
- Participated and Presented paper on Stem Cell Therapy for Diabetes in the NCRM NICHE on Stem Cell &Regenerative Medicine Chennai on 11th October 2014
- Nano-sensors for cancer diagnosis

- Nanotechnology - potential therapeutics to inhibit HIV replication
- Nano-sensors for tuberculosis diagnosis
- Screening for antimicrobial activity of chosen endophytic fungi isolated from *Turbinaria conoides* (brown seaweed)
- Phytochemical profiling of *Turbinaria conoides* and its anti-oxidant Effects
- Retroviral mediated germline therapy – a promising tool to fight Retinoblastoma
- Screening for blood bacteremia among leprosy patients
- Screening For Oral-Candidiasis and Quantification of C-Reactive Proteins-An Inflammatory Marker in Patients with Leprosy
- Successful anti-coagulant to treat blood dyscrasia

At

At SERB –India and ISCA sponsored

International Conference on Impact of Innovations in Science and Technology for Societal Development (IISTSD– 2019) 19-21 September 2019

- Emerging Role of IgE as a potential Therapeutic Management Against Cancer
- Study on Oxidative Stress Associated Lipid Peroxidation Among Breast Cancer Patients.
- Impact of Chemotherapy on Renal Functioning in Different Types of Cancer

- Determination of Erythrocytic Indices and Hyperglycemia Condition Among Different Types of Cancer Patients Receiving Chemotherapy

AT

5th Congress of the Federation of immunological societies of Asia Oceania

Theme: Translational Immunology in Health and Disease

39th Annual Conference of the Indian Immunology Society

March 14 - 17, 2012 ,Hotel LeMeridien, New Delhi, India.

- Screening for Oxidative Stress among HIV Sero Positives
- Role of Serum Iron and its Association with Anemic prevalence among patients with Different types of Cancer
- Study on the functional role of Immunoglobulin E as Surrogate Marker for HIV/AIDS infection
- Role of Reactive nitrogen Species in Cardiac associated complication among Type II Diabetic Mellitus Patients.
- Screening for Invitro Cytotoxic effect of *Sargassum sp* against chosen celllines (MCF-7&HEP-2), MTT asay.

AT

International Conference on New Horizons in Biotechnology & 8th Annual Convention of The Biotech Research Society, India Organized and Hosted by National Institute for Interdisciplinary Sciences and Technology(NIIST),CSIR,Trivandrum Between November 21 and 24,2011

- **Effective Mechanism of Dendritic Cell Derived Exosomes against Tumor Associated STn Antigenic Molecules.** International Colloquium on Emerging Biotechnologies in Agriculture , Animal health & Productivity (ICEB'09) February

22-26 ,2009 , Organized by School of Biological Sciences Alagappa University, School of Biological Sciences , The Queen's University of Belfast Biological , UK & Agri – Food and Biosciences Institute , Northern Ireland, **M.Andrew Pradeep** , J. Stella Mary

- **Role of Iron in Different Forms of Cancer.** International Colloquium on Emerging Biotechnologies in Agriculture , Animal health & Productivity (ICEB'09) February 22-26 ,2009 , Organized by School of Biological Sciences Alagappa University, School of Biological Sciences , The Queen's University of Belfast Biological , UK & Agri – Food and Biosciences Institute , Northern Ireland, P.Suvetha **M.Andrew Pradeep** , G.Indra
- **Susceptibility to Dental Caries among Cancer Patients receiving chemotherapy.** International Colloquium on Emerging Biotechnologies in Agriculture , Animal health & Productivity (ICEB'09), Februray 22-26 ,2009 , Organized by School of Biological Sciences Alagappa University, School of Biological Sciences , The Queen's University of Belfast Biological , UK & Agri – Food and Biosciences Institute , Northern Ireland, **M.Andrew Pradeep** , Anand , M. Manjamalai & A.Janani
- **Role of Zinc in Different forms of cancer.** International Colloquium on Emerging Biotechnologies in Agriculture , Animal health & Productivity (ICEB'09) February 22-26 ,2009 , Organized by School of Biological Sciences Alagappa University, School of Biological Sciences , The Queen's University of Belfast Biological , UK & Agri – Food and Biosciences Institute , Northern Ireland, **M.Andrew Pradeep** , Indira. G, Manju Murali .K
- **NanoParticles a promising Tool for Cancer Therapeutic Management.** International Colloquium on Emerging Biotechnologies in Agriculture , Animal health & Productivity (ICEB'09) February 22-26 ,2009 , Organized by School of Biological Sciences Alagappa University, School of Biological Sciences , The

Queen's University of Belfast Biological , UK & Agri – Food and Biosciences Institute , Northern Ireland, G.SuryaKala **M.Andrew Pradeep** .

- **Host Micro Modulation for effective treatment of Cancer.** International conference on Nano Medicine & Advances in Ophthalmic Research , 3rd – 5th , September ,2008 at Kamallnayan Bajaj Institute for Research in Vision & Ophthalmology , Chennai India. **Andrew Pradeep M**, Uma Maheswari S.,Grace .M, kavitha .P
- **Determination of Erythrocytic Indices and Hyperglycaemic Condition in cancer Patient receiving Chemotherapy.** International conference on Nano Medicine & Advances in Ophthalmic Research , 3rd – 5th , September ,2008 at Kamallnayan Bajaj Institute for Research in Vision & Ophthalmology , Chennai India. **Andrew Pradeep M**, Janani D, Shanmugapriya R, Nivaida K.P
- **Role of Zinc in HIV Seropositives and their Associated Co-infection.** International Conference on Genetics And Molecular Diagnosis in Modern Medicine, 7th – 9th Januray,2008 at Kamineni Education Society, Hyderabad-01, India. **Andrew Pradeep M.**, Arun Kumar M., S. G. Karthikeyan R, Jeyakumar Williams, and Thiruvalluvan M.
- **Study on Prevalence of Oral Pathogens and therapeutic management in Leprosy Patients.** 48th Annual Conference, Association of Microbiologists of India (AMI) 18-21, December,2007 at Department of Biotechnology, India Institute of Technology Madras, Chennai- 600036. **Andrew Pradeep.M.**, Bharathi.P. Divya.V.V
- **Co-infection Pattern of Ocular pathogens and effect of Therapeutic Activity against the Isolates of Leprosy Patents.** 48th Annual Conference, Association of Microbiologists of India (AMI) 18-21, December,2007 at Department of Biotechnology, India Institute of Technology Madras, Chennai- 600036. **Andrew Pradeep.M**, Susi Parimala. A., Angel.J, Arul Saravanan.V

- **Co- Infection Pattern of Uropathogens among Leprosy Patients.** 48th Annual Conference, Association of Microbiologists of India (AMI) 18-21, December,2007 at Department of Biotechnology, India Institute of Technology Madras, Chennai-600036. **Andrew Pradeep.M,** Susi Parimala. A., Angel.J, ArulSaravanan.V
- **Therapeutic effect of Viruses against the Cytokine in Patients with *Mycobacterium tuberculosis*.** 48th Annual Conference, Association of Microbiologists of India (AMI) 18-21, December,2007 at Department of Biotechnology, India Institute of Technology Madras, Chennai- 600036. **Andrew Pradeep.M,** Muthumariappan.M, Susi Parimala.S, .J, Uma Mageswari. S.
- **Prevalence of Vaginitis among Rural Women.** 48th Annual Conference, Association of Microbiologists of India (AMI) 18-21, December,2007 at Department of Biotechnology, India Institute of Technology Madras, Chennai- 600036. **Andrew Pradeep.M,** Keerthana.M, Kavitha.T, Prabha. T.R.
- **Prevalence of Dermatophytic Superficial Scalp infection among college students in Madurai, India.** 48th Annual Conference, Association of Microbiologists of India (AMI) 18-21, December,2007 at Department of Biotechnology, India Institute of Technology Madras, Chennai- 600036.
- **Study on Prevalence of the Ocular Pathogens and to evaluate the activity of Antibiotics and Herbal Extracts against Ocular Pathogen among Leprosy Patients.** 31st National Congress of Indian Association of Medical Microbiologist (IAMM), Microcon 2007, November 16th – 18th, 2007 at Kasturba Medical College, Mangalore. **Andrew Pradeep.M.,** Indira.G. Arul Saravanan.V
- **The Prevalence of Uropathogens and the Assessment of Antibiotic Susceptibility and Herbal activity against the Isolate of Leprosy Patient.** 31st National Congress of Indian Association of Medical Microbiologist (IAMM), Microcon 2007, November 16th – 18th, 2007 at Kasturba Medical College, Mangalore. **Andrew Pradeep.M.,** Lidya Rathna .P. Saranya.

- **Effect of Magnesium deficiency on AIDS.** 29th conference of Indian Association of Medical Microbiology, Oct 19 – 23rd, 2005 at Ramachandra Medical College / Research Institute, Chennai. Vinayatha S., Damian Mary John Pradeep, **Andrew Pradeep M.**, Jeyakumar Williams, and Thiruvalluvan M.

Awards / Fellowships:

Name of the award	Awarding agency	Month & Year	Awarded at
Best faculty award	Novel Research academy	November 2019	Pondicherry
Best faculty award	Science father Research awards	11 th -12 th January 2020	1 st International research awards on science, Health and Engineering Chennai
Best Assistant Professor in Immunology & Microbiology	Pearl Foundation	15 th March 2020	SMART SUMMIT 2020(Science, Medicine, Agriculture, Research and Technology), Bangalore.

- Recipient of United Board for Christian Higher Education in India - Ph.D program (2016-2017)

UGC Sponsored Major Projects:

Title	Year of Award	Amount Awarded	Status of the project- Completed /Ongoing	Co-investigator, if any
Bioremediation of chromium, Nickel and Zinc using chosen bacterial strains	2011	12 lakhs	Completed	M Andrew pradeep

Other Activities / Academic Credentials:

NATIONAL ELIGIBILITY TEST

Qualified in ICAR NET-(II) – 2018 (Indian Council of Agricultural Research AGRICULTURAL SCIENTISTS RECRUITMENT BOARD Department of Agricultural Research and Education Ministry of Agriculture & Farmers' Welfare, Government of India)- Mutual Recognition of NET conducted by ICAR and UGC/UGC-CSIR – UGC FILE No.F.18-1/98(NET)Dated 2nd JULY,2003 & No.F 21-1/2007(Cir)/NET Dated 7th September 2007.

RESEARCH PROJECTS GUIDANCE- POST GRADUATE RESEARCH PROJECT

APRIL 2019 –

- Study on Phytochemical, Anti-microbial, Anti-oxidant and Anti-coagulant activity of Aqueous and Silver nanoparticle synthesized extract of Marine Brown seaweed, Dictyopteris delicatula - NIVETHA.K (17M1M13)
- Study on Phytochemical, Antioxidant and Anti-lung cancer (A549 cell line) property of brown seaweed, Turbinaria conoides - S.SORNA PRIYA (17MIM20)
- Screening for antimicrobial, antioxidant and antiangiogenesis activity of chosen endophytic fungi isolated from Turbinaria conoides (BROWN SEAWEED) - R. Raj sreemathi (17MIM16)
- Comparative Study on Anti-microbial, Anti-oxidant, Anti-inflammatory and Anti-colon cancer (HT-29) activity of the secondary metabolite isolated from the gut microbiome of Ruminant and Monogastric animal - 17MIM19 R. Sethu nagarajan

APRIL 2018

- Synthesis of Silver Nano particles from *Melia dubia* Leaf Extract and evaluating its Antibacterial (Chosen Clinical Isolates), Antioxidant and Invitro Anticancer Activity against HEPG2 Cell line – R K M Rajeshwar
- Green Synthesis and Characterization of Silver Nano particles from *Nigella sativa* and Evaluating its Antimicrobial, Antioxidant and Anticancer property against Human lung cancer (A549 Cell line) – S Mohamed Bilal
- Screening for Symbiotic Association of Epiphytic organism and Biosynthesis of Silver Nanoparticles of *Stoechospermum marginatum* and evaluating its Antimicrobial, Antioxidant and Antitumor Activity against Breast Cancer Cell line(MCF-7) – M Christy Joshi
- Biosynthesis and Characterization of Silver Nanoparticles from *Carica papaya* Leaf and Evaluating its Antibacterial, Antioxidant and Anticancer property against Human Colon cancer (HT 29 Cell line) – P Pandiarajan

APRIL- 2015

- Screening For Oral Candidiasis, Blood Borne infection, CRP associated Oxidative stress among the Leprosy Patient.
- Screening for Antimicrobial activity of Probiotic against chosen clinical isolate of Leprosy patients.

APRIL 2013

- Phytochemical Characterization ,Anti- Bacterial ,Anti-Oxidant & Anti-Tumor effect of *Kappaphycus Alvarezii* - N.Jennifer Michellin Kiruba.
- Screening for Phytochemicals, Anti Mycobacterial and Anti-Oxidant Property of Spirulina – Abdul Azeez Ahamed .M

APRIL 2012

- Role of Serum Iron and Zinc Micronutrients in Immune Effector Mechanism of Type 2 Diabetes Mellitus - Andrew Pradeep.M Haseena P.V
- Study on Oxidative Stress (ROS,MDA), Anti Oxidant Status (TAS) , Cardio Vascular Dysfunctioning (C-Reactive Protien) and Role of Micronutrients (Selenium, Magnesium) in Immune Effector Mechanism Among Patients with Type 2 Diabetes Mellitus - Andrew Pradeep.M Kirubakaran.I
- Screening for Antimicrobial Activity of Probiotic Producing Organism *Lactobacillus* sp against choosen isolates of UTI among patients with Tuberculosis. Immune Effector Mechanism of Type 2 Diabetes Mellitus - Andrew Pradeep.M ,Kartigai Priya .N

APRIL 2011

- Screening of Antitumor activity of Lycopene in Combination with Vitamin E against MCF-7 and Hep – 2 Cancer Cell lines – Andrew Pradeep.M Haseena P.V
- Screening for the Inhibitory effect of *Boerhaavia diffusa* against Calcium Oxalate monohydrate (Kidney Stone) based on spectroscopic analysis - Andrew Pradeep M. A.Saravanakumar
- Quantification of Serum Glutamic Pyruvic Transaminase. ROS, RNi , Lipid Profile analysis (HDL,LDL,TGL,VLDL) and Screening for Bacteremic & Candidemic conditions, Susceptability to Dental Caries among Breast and Cervical Cancer Patients. - Andrew Pradeep M. K.Aarthy
- Determiation of Liver ,Kidney and Cardiac Associated Dysfunctioning and Quantification of Reactive Nitrogen Intermediate ,Susceptability to Dental Caries among patients with Type II

- Determination of Lipid Peroxidation, Quantification of Reactive Oxygen and Screening for blood Bacterimic and Candidemic Conditions among Patients with Diabetic Mellitus.- Andrew Pradeep M. B.Meganathan

APRIL 2010

- Study on quantification of Reactive Oxygen Species , Reactive Nitrogen Intermediate, IgE level and Determination of Erythroid Indices & Assesment of Renal functioning among HIV Sero Positives . - Andrew Pradeep M. Dhamodharan.V
- Study on Quantification of Reactive Oxygen Species ,Anemic prevalence and Determining the emerging role of IgE among patient with different forms of Cancer. - Andrew Pradeep.M, Anand.K
- Study on Quantification of Reactive Nitrogen Intermediate and Susceptibility to Dental Cariers & Ocular Candidiasis among Patient with different forms of Cancer. – Andrew Pradeep.M, Arun Prakash K.J
- Study on Quantification of Reactive Oxygen Species ,Anemic prevalence and Determining the emerging role of IgE among Leprosy patient – Andrew Pradeep.M, Nalini .V
- Study on Quantification of Reactive Nitrogen Intermediate ,Assesment of Renal Functioning and Screening for Uro pathogens& Ocular Candidiasis among Leprosy Patients - Andrew Pradeep .M , Sibi Joy Manohar
- Study on Immunosuppressive effect of Medicinal Plants Justicia gendarussa(Burm) and Cardiospermum halicacabum (Linn) on T cell proliferation. – Andrew Pradeep.M , Dhivya .G

APRIL 2009

- A Study on Oral Candidiasis , Susceptibility to Dental Caries, Scalp Infection and Probiotic activity against the isolates among the leprosy patients – M.Andrew Pradeep, Ramya .D
- A Study on Erythrocytic Determination of Anemic Condition, Blood Borne Infection, Wound Infection and evaluating the antimicrobial activity of probiotics among leprosy patients - M.Andrew Pradeep, Kavitha .P
- Determination of Serum, Urine – Urea, Uric Acid, Creatinine for Renal functioning and Screening For Ocular Pathogenesis Among Leprosy Patient - M.Andrew Pradeep, Manjamalai .P

MARCH 2008

- Serum Zinc and Iron status & Prevalence of Oral candidiasis and its Therapeutic Management in Cancer Patient. – M. Andrew Pradeep., Ms.Indira.G
- A Study on Blood Borne Pathogens and Comparative effect of Herbal Activity against the Empirical Recommendation of Antibiotics among Cancer Patients receiving Chemotherapy. M. Andrew Pradeep., Ms. Uma Mageswari
- A Study on Anemic and Hyperglycemic condition and Susceptibility to Dental Caries in Cancer patients receiving Chemotherapy. M. Andrew Pradeep., Ms.Janani
- Impact of Chemotherapy on Renal functioning and Study on Uropathogenesis and its Therapeutic management in different types of Cancer. M. Andrew Pradeep., Ms.Lydia Rathna Sugunaraj

MARCH 2007

- Study on Prevalence of Oral Pathogens and Evaluation of Baseline Deficiency Based on Anthropometric Parameters in Leprosy Patients. - M. Andrew Pradeep., Ms. Divya

- Study on Prevalence of the Ocular Pathogens and to Evaluate the Activity of Antibiotics and Herbal Extract against Ocular Pathogen among Leprosy patients - M. Andrew Pradeep., Mr. Arul Saravanan
- Study on the Prevalence of Uropathogens and Evaluation of Empirical Recommendation of Antibiotics and Herbal Activity against the Isolates of Leprosy Patients - M. Andrew Pradeep., Ms. Saranya

Conference Organized (Organizing Secretary) :

International Virtual Conference:

- International Virtual Conference on COVID-19 Recent Updates and Current Advances between 3 and 4 June 2020

National Level:

- Emerging Trends in Microbiology on 12.03.2019
- Recent Trends in Modern Immunology on 23.01.2019
- Frontier Vistas in Modern Biotechnology

National Online E-Quiz

- Awareness on Diagnostics and therapeutics of COVID-19
- National Online E-Quiz (Immune Booster)- Convenor

Workshop Organised

- DNA Barcode
- Basics to Proteomics- Gel based
- Basics of Animal cell culture

Faculty Development Program

- UBCHEA Sponsored four day faculty development program on “Emerging Leaders of Service learning” from 13th to 16th February 2020.

Collaborative Project

- Department of Endocrinology Institute of Basic Medical Sciences, Chennai

- Govt. Rajaji Hospital Madurai
- Best Dental College, Madurai.
- Postgraduate and Research Department of Chemistry, The American College, Madurai.

School Projects

- Arrahmaan International School, Melur
- Mahatma School, Madurai

GenBank Submission

- *Aeromonas schubertii* strain SJ1 16S ribosomal RNA gene, partial sequence – *Acc. No:* MZ827465.1
- *Shewanella algae* strain SJ2 16S ribosomal RNA gene, partial sequence – *Acc. No:* MZ827466.
- *Shewanella chilikensis* strain SJ3 16S ribosomal RNA gene, partial sequence – *Acc. No:* MZ827467.1
- *Pseudomonas aeruginosa* Strain ACZ01 – *Acc. No:* KM434772
- *Pseudomonas aeruginosa* Strain ACZ02 – *Acc. No:* KJ667740
- *Providencia sp.* Strain ACZ03 – *Acc. No:* KJ139978
- *Pseudomonas aeruginosa* Strain ACZ04 – *Acc. No:* KJ667741
- *Morganella morganii* Strain ACZ05 – *Acc. No:* KJ830754
- BankIt2016190 Seq1 MF102274
- BankIt2016233 Seq2 MF102275
- BankIt2016237 Seq3 MF102276

Examination Board Member

- Sourastra College, Madurai.
- SVN College, Madurai
- Yadava College, Madurai.

Journal Editorial Board

- Online Journal of Biosciences and Informatics
- ❖ Served as member of NAAC criterion III in 2015

Online Certification Course

- Five days online Certification Course on “**Employability: An Essential skill for Professional Development**”. Conducted by Vishwabharati Research centre.

Quiz Participation

- Participated in COVID-19 Pandemic awareness quiz organized by the National Service Scheme, Arulmigu Palaniandavar College of Arts and Culture, Palani.
- Participated in COVID-19 Awareness quiz 2020 organized by Design Innovation center, University of Allahabad, Prayagraj.
- Participated in General awareness on COVID-19 quiz organized by the Department of biotechnology, Achariya Arts and Science college, Puducherry.
- Participated in National level Quiz on COVID-19, organized by Tamilnadu state council for science and technology, NCSTC & Faculty of science, Mohamed sathak college of arts and science Chennai.
- Participated in national online quiz on COVID-19, organized by DIT, faculty of pharmacy, uttarakhand.
- Participated in international COVID-19 Awareness quiz organized by Department of zoology and biotechnology, government girls pg college, MP.
- Participated in COVID-19 Awareness quiz organized by yashpal sikh mahavidyalaya.
- Participated in COVID-19 Awareness quiz organized by shri swamy Samarth institute of pharmacy, Ahmednagar.
- Participated in awareness on COVID-19 quiz, organized by Govt. Polytechnic College, Kallakurichi.
- Participated in general awareness quiz COVID-19, department of Computer science, R.K.S.D PG college, kaithal

Online Conference

- International Webinar on “Vedic Microbiology” organized by Eklavya University, Madhya Pradesh 21st March 2021
- International Online Conference on COVID-19, Biotechnology: A way Forward Organized by the Department of Biosciences, Manipal University, Jaipur.
- International virtual conference on “Immune Boosting Diet for COVID-19” Organized by the department of Food science and Nutrition. The American College, Madurai.
- Practical Bioinformatics on a wet lab set-up. Faculty development program & Student development program organized by Sathyabama institute of science and technology in association with Indian institute of applied Microbiology and Georgetown university, Washington DC, USA.
- participated in the National Webinar on Methods Accessing Research, Innovations & Extension in NAAC Accreditation organized by NAAC Criterion III, The American College (Autonomous), Madurai on 28.08.2020.
- Participated in Webinar on "Identifying Intellectual Property Component at Early Stage of Innovation" organised by Institution Innovation Council and IPR Cell, DIT University, Dehradun.
- Webinar on "Writing a scientific paper: Tips for getting started" on 29th October 2020, hosted by the Dept of Microbiology, SBDCH, Chennai-600100.
- Participated in the webinar entitled “**Research to Publication- An expert view**” Organized by the Centre for molecular and Nanomedical Sciences, Sathyabama Institute of Science and Technology, Chennai.
- Attended a National webinar on “Environment and COVID-19 Pandemic” Organized by G Venkataswamy Naidu College, Kovilpatti and Institute of Industrial and marine safety, Thoothukudi.
- Attended online conference on “Study on COVID-19” organized by Society for Environmental resources and biotechnology development, India & Electrohomeopathy research foundation, india.

Online Faculty Development Programme

- Participated in Virtual faculty development programme on “**Uncovering Piazza for effective Teaching**” Organized by Department of plant biology and plant Biotechnology, Presidency college, Chennai.