

RESUME



Dr. C. Ananda Vayaravel, M.Sc., M.B.A., PhD,

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<https://www.researchgate.net/profile/Ananda-Vayaravel-Cassinadane>

DATE OF BIRTH: 10-02-1976 NATIVITY: PONDICHERY FAMILY STATUS: MARRIED

PROFESSIONAL EXPERIENCE:

POST	INSTITUTION	PERIOD	EXPERIENCE
Prof & Principal	SVCPMS*	30-07-18 Till date	3 years + 6 mts
Asst. Professor	SVMCH&RC**	30/04/2014 – 29/07/18	4 years + 3 mts
Asst. Professor	ACS Medical College	18/06/2007 – 31/08/2013	6 years + 3 mts
Lecturer	MGMC&RI	06/03/2005 – 16/06/2007	5 years + 11 mts
Tutor		20/08/2001 – 05/03/2005	
Guest Lecturer	Pondicherry University	2000-2001	10 months
21 years of professionalism in handling various courses like MBBS, MDS, BDS, MLT, Nursing, BPT, & Various Allied Health Sciences			

* Sri Venkateshwaraa College of Paramedical Sciences, Ariyur, Puducherry- 605102.
(www.svcpms.ac.in)

** Sri Venkateshwaraa Medical College Hospital and Research Institute, Ariyur, Puducherry.

ACADEMIC PROFICIENCY:

DEGREE	DISCIPLINE	YEAR	INSTITUTION
B.Sc	Medical Laboratory Technology	1996	JIPMER
M.Sc	Medical Biochemistry	2000	JIPMER
M.B.A	Hospital Management	2018	Alagappa University
PhD	Medical Biochemistry	2020	SBV University

PATENT PUBLICATIONS:

1. Title: Artificial Intelligence based animal detection and identification system for protection of field crops

Application No: **202141018335 A**

Date of filing: 21/04/2021

Publication Date: 30/04/2021

Name of Inventor: 1) Dr.Aruna Kumari Nakkella Address of Applicant : Assistant Principal, Dr.BR Ambedkar University, Srikakulam, D.No: 20-14-13, Ramachandra Rao Peta, Near SBI, Kambal Tank Branch, Rajamahendravaram, East Godavari-533103, Andhra Pradesh, India. 2) Dr.V.Nagalakshmi 3) Dr.T.Vidhyavathi 4) Dr.S.Srilalitha 5) Prof. P.Srinivas Subbarao 6) Dr.Mohan Seelam 7) Srivastava. Pratima Kumari 8) Devendra Singh 9) Dr.Sandeep Rout 10) Dr.Kalyani Pradhan 11) Mr.Ajay Kumar Prusty 12) Dr.P.Sri Rama Murthy 13) Dr.M.Sulochana 14) **Dr. Ananda Vayaravel Cassinadane** 15) Mrs.Lipsa Dash

2. Title: Phyllanthus Niruri Extract Composition for Jaundice and Its Preparation Method Thereof

Application No: **202141025042 A**

Date of filing: 05/06/2021

Publication Date: 11/06/2021

Name of Inventor: 1) Dr.Aruna Kumari Nakkella, Address of Applicant : Assistant Principal, Dr.BR Ambedkar University, Srikakulam, D.No:20-14-13, Ramachandra Rao Peta, Near SBI, Kambal Tank Branch, Rajamahendravaram, East Godavari-533103, Andhra Pradesh, India Andhra Pradesh India 2) Dr.Nikhil Krishna Sairam Vannemreddy 3) Dr.P.Sri Rama Murthy 4) Dr.Surapaneni Krishna Mohan 5) **Dr. C. Ananda Vayaravel** 6) Sofia Khanam 7) Dr. Pooja Choubey 8) Dr. Kalai Selvi Rajendiran 9) Dr.Santosh Karajgi 10) Prof.K.Basavaiah 11) Dr.Dharmasoth.Rama Devi 12) Dr.M.Monisha 13) Dr.M.Neela 14) Dr.S.Srilalitha

3. Dioscorea villosa extract based herbal composition for wound healing and preparation method thereof

Application No: **2021410034471**

Date of filing: 30/07/2021

Publication Date: 06/08/2021

Name of the inventor: 1) Dr.Surapaneni Krishna Mohan, Address of Applicant: Departments of Biochemistry, Clinical Skills & Simulation and research, Panimalar Medical College Hospital & Research Institute, Varadharajapuram, Poonamallee, Chennai-600123, Tamil Nadu, India. Tamil Nadu India, 2) Dr.Aruna kumari Nakkella, 3) Dr.Nikhil Krishna Sairam Vannemreddy, 4) Dr.Tejaswi Pasam, 5) **Dr.C.Ananda Vayaravel**, 6) Dr.Santosh Karahgi, 7)Dr.Satish Babulal Jadhav, 8) Dr.S.R.Pratap, 9) Dr.S.Srilalitha, 10) Dr.R.R.Kumar, 11) M.Malinidevi, 12) Dr.Sandeep Rout, 13) Prof.K.Basavaiah

4. **Title: Model for predicting and suggesting the goods to deliver**

Application No: **202141036493 A**

Date of filing: 12/08/2021

Publication Date: 20/08/2021

Name of the inventor: 1. Dr. Aruna Kumari Nakkella 2. Dr. Nikhil Krishna Sairam Vannemreddy, 3. Dr. Yalla Venkateswarlu 4. Dr. S. Srilalitha 5. Dr. M. Neela, **6. Dr. C. Ananda Vayaravel** 7. Dr. Satish Babulal Jadhav, 8. Prakash Kumar Sahoo 9. Dr. Akshaya.S, 10. M. Malinidevi 11. Meehak Kaur 12. Rishikesh Prasad

5. **Artificial Intelligence with Internet of Medical Things (IOMT) to combat large scale Epidemic**

<http://pericles.ipaustralia.gov.au/ols/auspat/applicationDetails.do?applicationNo=2021104675>)

Application No: 2021104675

Date of filing: 28.07.2021

Publication Date: 28.07.2021

Name of the inventor: 1. R, Manu ; 2. Menon, Divya ; 3. Shamsheer, Salim ; 4. R. Swapana ; 5. D, Arpana ; 6. **Vayaravel, C** ; 7. Lenin ; 8. Kumar, R.

6. **Title: Colpomenia sinuosa based biosynthesized nanoparticle composition for Diabetes**

Application No:

Date of filing: 31.08.2021

Publication Date: 15.09.2021

Name of the inventor: 1. Vishnu Kiran Manam, 2. Puli Kalpana, 3. Dr. Aruna Kumari Nakkella, 4. Dr. Surapaneni Krishna Mohan, 5. Dr. C. Ananda Vayaravel, 6. Dr. D. Jayarajan, 7. Dr. Santosh Karajgi, 8. M. Malinidevi, 9. Dr. J. Kalaimathi, 10. Prakash Kumar Sahoo, 10. Dr. Jayashree.R, 11. Dr. Dh. Geetha, 12. 13. Dr. Sumanta Bhattacharya, 14. Dr. Arti Manish Chaudhari, 15. Dr. Bharti Shashank Anerao

Patent Filing in Progress:

7. Title: Vaccine Preparation for Leptospirosis and their Pathological, Immunological Study by Serum Electrophoresis

8. Title: Anti-tumor activity of biosynthesized silver nanoparticles

JOURNAL PUBLICATIONS

1. 'Nanotechnology to design pharmaceuticals to target specific organs or cells in the body such as cancer cells and enhance the effectiveness of therapy' accepted for publication in Materials today proceedings, Elsevier Publication.
2. Medical analysis on patients complaining of sciatic pain referred for surgery in Samarra city, accepted for publication in Journal of Physics: Conference Series.
3. Face to face education to virtual classroom in the health sector during covid pandemic, accepted for publication in Journal of Education Technology in Health Sciences.
4. Effect of Webinars in Teaching Learning Process in Medical and Allied Health Science Students during Covid-19 Pandemic-A Cross Sectional Study, accepted for publication in Journal of Education and Health Promotion.
5. Sekar, P., Ravitchandirane, R., Khanam, S., N. Muniraj & **AV Cassinadane**. Novel molecules as the emerging trends in cancer treatment: an update. *Med Oncol* **39**, 20 (2022).
6. Sridhar A, Mohan M, Rajendiran K S, Sekar P, Singh A S, Nambiar S, **Cassinadane A V**, Vitamin D nemesis of COVID-19. *Int J Clin Biochem Res* 2021;8(3):179-185
7. **Cassinadane AV**, Ramasamy R, Lenin M, Velu K, Hussain SA. Association of MTHFR (rs 1801133) gene polymorphism with biochemical markers of B12 deficiency in type 2 diabetes mellitus patients on metformin therapy. *Meta Gene*. 2021 Jun 16:100938.
8. **Cassinadane AV**, Thiruvalavan A. Erythematous Rash as a Feature of COVID-19: A Case Report of an Upcoming Entity. 2021; 4 (1):18-19.
9. Khanam S, **Vayaravel C A**, Medicinal plants effective against Alzheimer's disease: An update. *IP Int J Compr Adv Pharmacol* 2021;6(1):22-27
10. **Ananda Vayaravel Cassinadane**, Ramesh Ramasamy, Association of BHMT (rs 3733890) gene polymorphism with biochemical markers of B12 deficiency in T2DM patients on metformin therapy. *International Research Journal on Advanced Science Hub*, 2021; 3(Special Issue ICARD-2021 3S): 176-186.
11. Monisha. M, Swetha. R, **Ananda Vayaravel. C**, Ionized and total calcium in hypothyroid postmenopausal women. *European Journal of Molecular & Clinical Medicine*. 2020; 7(8):3346-51.
12. **Cassinadane A.V**, Sekar P, Rajendiran K.S, Mohan M, Psychological impact of quarantine during disease outbreaks, international journal for innovative engineering and management research. 2020; 9(12):629-36.

13. Hussain S.A, Rajendiran K.S, Mohan M, Venkatapathy K.V, Munisamy L, **Cassinadane AV**, Serum Zinc and Magnesium Levels in Type 2 Diabetes Mellitus Patients on Metformin Therapy. *European Journal of Molecular & Clinical Medicine*. 2020; 7(11): 609-616.
14. **Vayarvel CA**, Velu VK, Hussain SA, Ramesh R. Association of Insulin Resistance with Vitamin B12 Status in Type 2 Diabetes Mellitus Patients on Metformin Therapy. *J Basic Clin Appl Health Sci*. 2020;3(1):16–18.
15. **Cassinadane AV**, Ramaswamy R, Hussain SA, Govindarajan R, Srinivasan AR. Evaluation of Vitamin B12 status in type 2 Diabetes Mellitus Patients on Metformin therapy. *Asian Journal of Medical Sciences*. 2018 Mar 1;9(2):9-12.
16. **Cassinadane AV**, Ramaswamy R, Govindarajan R, Srinivasan AR. A genetic perspective of Metformin induced Vitamin B12 deficiency in Type 2 Diabetes mellitus patients. *Asian Journal of Medical Sciences*. 2018 Jan 1;9(1):11-4.

BOOK CHAPTER PUBLICATIONS:

1. Drx. Sofia Khanam & Dr. Ananda Vayaravel Cassinadane ‘**Emerging fungal disease of the citrus fruit**’, in *Fungal diseases of Horticultural Fruit Crops: Detection and Management Strategies* – Springer Publisher – to be published.
2. Dr. Kalaiselvi Rajendiran, Drx. Sofia Khanam & Dr. Ananda Vayaravel Cassinadane ‘**Block chain technology in health care**’, in *Blockchain technology in corporate governance: transforming business industries*, Scrivener Publishing – to be published
3. Dr. Akshaya Sridhar, Dr. Priyanka Sekar & Dr. Ananda Vayaravel Cassinadane ‘**Internet of Things in Medicine and Dentistry**’, in *Internet of Things – Functional Applications*, CRC Press (Taylor & Francis Group) – accepted for publication
4. L. Thulassi Raj & Dr. C. Ananda Vayaravel (July 2021) ‘**Post COVID Education Quandary among Health Care Professionals**’, in *Re-imagining post covid education*, Cheras Publishing House. Pp. 1-8
5. Dr. Ananda Vayaravel Cassinadane (May 2021) ‘**Paramedical Education 20-21 Lockdown Edition**’ in Dr. C. Subathra (ISBN : 978-81-942871-9-3) in *Indian Scenario of School and College Education in 2020 – 2021*. Kanyakumari. Cape Forum Publication, pp. 10-11.
6. Dr. Akshaya Sridhar & Dr. Ananda Vayaravel Cassinadane (May 2021) ‘**Preventive Strategies for the Public during Covid-19 Pandemic**’, in Dr. Aruna Kumari Nakella (ISBN: 978-93-5457-589-1) *Health, Hygiene, Sanitation and Environment at Pandemic times*. Vijayawada. Immortal Publications.
7. Gunasekaran & Dr. Ananda Vayaravel Cassinadane (April 2021). ‘**Marine Microbial infections**’, in Sofia Khanam (ISBN: 978-93-5457-895-3) *Hand book of Marine*

Microbes – the therapeutic prospective and applications. Vijayawada. Immortal Publications, pp. 72-80.

8. Dr. Priyanka Sekar & Dr. Ananda Vayaravel Cassinadane (Feb 2021). ‘**Microscopic Bio-engineering of Stem cells**’, in Dr. Aruna Kumari Nakella (ISBN: 978-93-5426-405-4) *NanoTechnology – A multi-diversified approach for smart materials*. Vijayawada. Immortal Publications, pp. 73-88.

ACADEMIC CREDENTIALS

1. Recognized and acknowledged by ‘The Knowledge Review’, an Educational leadership magazine that featured my interview.
(<https://magazine.theknowledgereview.com/The-10-Excellent-Schools-in-Australia-2021-May2021/#page=40>
<https://theknowledgereview.com/building-harmonious-and-long-lasting-relationships-with-students/>
<https://magazine.theknowledgereview.com/Indias-Elite-Stock-Market-Education-Providers-2021-November2021/#page=1>)
2. ‘**Best Educator Award 2021**’, organized by ISN Publication and Acharya World class Education.
3. ‘**Best Researcher Award 2021**’ – IASP’21, organized by VD good Publications.
4. ‘**Best Writer Award**’ for presenting a paper for the National Virtual Conference on “Indian Scenario of School and College Education in 2020-2021”, organized by Cape Forum – of, by and for you trust and Publication, on 18.04.2021
5. ‘**Certificate of Empowerment**’ from Young Minds Publishing House, towards helping more than 50 students to co-author in the Anthology, ‘*SCIENCE-Inviting your perception*’, (ISBN 978-81-949421-9-1) published in March 2021.
6. ‘**Best Academician Award 2020**’ – IJEMR-ELSEVIER SSRN Research Awards 2020.
7. ‘**Top 10 Principal of the year 2020**’ – Global Teaching Excellence Award – 2020.
<https://svcpms.ac.in/accolades-to-principal/>
8. **Best Poster presentation** award in CME “Translational medicine in the diagnosis and management of Diabetes mellitus, November 10th 2016, organized by the department of Biochemistry, MGMC&RI, Pondicherry.
9. **Best Post Graduate Symposia**, Post Graduate Alumni Prize 1998-2000 – JIPMER.

RESOURCE PERSON

1. Delivered a talk on “Stepping into the Health Care Professionalism” as **Chief Guest** in the induction program organized by the School of Paramedical Sciences, SAM global University on 20.10.2021.
2. Invited as a ‘**key note speaker**’ to give a leadership talk in a forum for awarding the researchers of Engineering Science and Medicine background organized by VD Good Technology Factory. (<https://photos.app.goo.gl/w7GetQbWfvYAiRfA8>)
3. Resource Person at the 2nd National Conference of Indian Confederation of Medical Laboratory Science, (**ICMLS**), held at **NIMHANS**, Bengaluru on 27th & 28th April 2019. Theme: “**The role of Information Technology in transforming Clinical Laboratory Practices**”.
4. Resource Person in the CME on “**Recent advances in Laboratory Medicine**” organized by the college of MLT, on April 2015, April 2016, April 2017, April 2018 & April 2019 at Mother Theresa Post Graduate & Research Institute of Health Sciences (**MTPGRIHS**), Puducherry, India.

EDITORIAL BOARD MEMBER

1. Scieng Publications (<http://sciengpublications.com/editorial-board-members/>)
2. Technoarete Transactions on Biochemistry and Pharmaceutical Medicine.
3. International Journal of Biochemistry, Biophysics & Molecular Biology

EDITOR

1. Editor of the book titled ‘**A Glimpse of Medical Sciences**’, by Immortal Publications. (ISBN No: ISBN: 978-93-5493-593-0)
2. Editor in Chief of the book titled ‘**Recent advances in Health Care**’, by Scieng Publications (Under publication)
3. Editor of the Journal ‘**Indian Journal of Medical Laboratory Sciences**’ a journal in making, published by Indian Confederation of Medical Laboratory Sciences (ICMLS).

PEER - REVIEWER

1. **‘International Journal of Clinical Biochemistry and Research’**, Innovative Publications Private Ltd.
2. **‘Journal of Education Technology in Health Science’**, Innovative Publications Private Ltd.
3. **‘Panacea Journal of Medical Sciences’**, Innovative Publications Private Ltd.
4. **‘Heliyon’**, **‘Science open’** & **‘Academia.edu’**.

WEBINAR PRESENTATIONS:

1. Presented a Webinar on **“ Cell Block Automation”**, in the Receptor – Virtual Talk Series – 2021, on 30.10.2021, organized by the Department of Biochemistry, Bharathidasan University, Tiruchirapalli, India
2. Presented a Webinar on **“The biochemical mechanisms of Regenerative Medicine”**, on the occasion of International Lab Technician day on 15-04-2021, organized by LNCT Paramedical College, Bhopal, India.
3. Presented a Webinar on **“The biochemical mechanisms of combating corona”**, on 24-06-2020, organized by Shri Venkateshwara College of Pharmacy, Ariyur, Puducherry, India.
4. Presented a Webinar on **“The role of Clinical Biochemistry in COVID-19 management”**, on 20-05-2020, as a part of Webinar series-I organized by ICMLS, New Delhi, India.

CONFERENCE PRESENTATIONS:

1. Presented **“Pharmaceutical Trends and Challenges during Covid-19 Pandemic”**, in the 8th World Conference on Pharmaceutical Science and Drug manufacturing, organized by Association of Pharmaceutical Research and Bioleagues, 17th-18th April 2021.
2. Presented **“Paramedical Education 20-21 Lockdown edition”**, in the National Conference on Indian Scenario of School and College education in 2020-21, organized by Cape Forum, on 18th April 2021.
3. Presented **“Association of BHMT (rs 3733890) gene polymorphism with biochemical markers of B12 deficiency in T2DM patients on metformin therapy”**, in the 2nd international conference on Advancements in Research and Development, 27th-28th February 2021.

4. Presented “**Single nucleotide polymorphisms in metformin induced vitamin B12 deficiency in T2DM patients**”, at the 45th Annual Conference of the Association of Clinical Biochemists of India - ACBICON 2018, held on 24th – 27th October 2018, Kala Academy, Goa.
5. Presented “**Vitamin B12 status in T2DM patients on metformin therapy**”, in the CME – ‘Translational medicine in the diagnosis and management of Diabetes mellitus’, organized by the department of Biochemistry, Mahatma Gandhi Medical College & Research Institute, Puducherry, on 10th November 2016.

NPTEL COURSES COMPLETED:

1. Health Research Fundamentals

CERTIFICATIONS / MENTORSHIP

1. **Certified Professional for Quality Implementation in Hospitals** (Basic), certified by Consortium of Accredited Healthcare Organizations (CAHO)
2. **Certified Internal Auditor** for quality training and accreditation.
3. **Mentor** of CAHO Student Research Committee (01.09.2020 – 31.08.2022), mentoring post graduate and doctoral allied health science students in their research activities.

MEMBERSHIP

1. Indian Confederation of Medical Laboratory Sciences (**ICMLS**)
2. Innovative Education and Scientific Research Foundation (**IESRF**)
3. Research India Foundation (**RIF**)
4. Society of Learning and Technical Education. (**SOLETE**)
5. **CAPE FORUM-YOU TRUST**, A Forum for Academician, Professionals and Researchers for the Personal Appraisal in Education and Research.
6. Consortium of Accredited Health Care Organization (**CAHO**)
7. VD Good professionals.

-Sd-

Dr. C. Ananda Vayaravel