

## CURRICULUM VITAE OF DR. D. ANAND

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Tamilnadu, India.

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### **PRESENT POSITION**

- \* Lecturer in Plant Biology and Plant Biotechnology, Dept.of Plant Biology and Plant Biotechnology, RKM Vivekananda College, Chennai - 600 004. (Jan, 2008 – Till date)

### **WORK EXPERIENCES**

- \* Lecturer in Microbiology at Department of Microbiology, Hindustan College of Arts & Science, Padur, Chennai - 603 103. (June, 2004 – April, 2007).
- \* Lecturer in Microbiology at P.G & Research Dept. of Microbiology, Presidency College, Chennai - 600 005. (June, 2001- May, 2002).

### **EDUCATION IN DETAILS**

S.No.	Degree	Subject	Percentage	Year	University/ Institution
1.	Ph.D	Microbiology (Interdisciplinary)	Highly Commended	October 2004	University of Madras Chennai, India
2.	M.Sc	Botany	64.25	1998	University of Madras Chennai, India
3.	B.Sc	Botany (Allied-Chemistry & Zoology)	57.61	1996	University of Madras Chennai, India
4	Microsoft Office	MS: Word, Excel, Access & PowerPoint	‘A’Grade	1998	Datamatics Corporation Chennai, India

### **TITLE OF THE Ph.D., THESIS**

- \* "Studies on the estimation of *in vitro* safety & *in vitro* antiviral activities of few potential organic components, isolated from the seeds of Indian medicinal plant for *Herpes simplex virus-1*(HSV-1), *Herpes simplex virus-2* (HSV-2) & *Varicella-zoster virus* (VZV) and chemical characterization of the antiviral components".

## PROJECT GUIDANCE

- \* Guided eight postgraduate student projects in Microbiology

## MEMBERSHIPS

- \* Life member in Indian Association of Biomedical Scientists (IABMS)
- \* Member, Board of studies in the P.G & Research Dept. of Microbiology, Presidency College, Chennai, India.

**FELLOWSHIP AWARD** : **MABMS** award from IABMS.

## RESEARCH PAPERS PUBLISHED IN THE NATIONAL JOURNAL'S

### **1) INDIAN JOURNAL OF APPLIED MICROBIOLOGY, (2002);2(1):59-61**

Rajarajan.S, Kavitha.K, **Anand.D**, Sathyapalan Mayuran, Thyagarajan.S.P, Subramanian.S

*In vitro* antibacterial and antifungal properties in the aqueous leaf extract of Henna (*Lawsonia inermis* L.)

### **2) BIOMEDICINE, 2002;22(1&2):83-86**

Rajarajan.S, Balasubramanian.R, Priyadarshini.M, **Anand.D**, Thyagarajan.S.P, Subramanian.S

*In vitro* antibacterial properties in the leaf extract of two varieties of Country boarge (*Plectranthus ambonicus* (Lour) Spreng).

### **3) INDIAN JOURNAL OF APPLIED MICROBIOLOGY, (2003);3(1): 67-91**

Rajarajan S, Shanbhag Gayathri N , **Anand D**, Thyagarajan S.P, Subramanian S

A study on the *in vitro* antifungal properties in the aqueous extracts of unripe fruits of *Terminalia catappa* Linn.

### **4) INDIAN JOURNAL OF APPLIED MICROBIOLOGY, (2003);3(1): 71-74**

Rajarajan S, Sukumaran K, Jayakiruba J, **Anand D**, Thyagarajan SP, Subramanian S

*In vitro* antibacterial properties of root-bark and leaf extracts from *Cassia auriculata* Linn. For certain gastroenteritic bacteria.

### **5) BIOMEDICINE, 2003; 23(3&4): 76-79.**

Rajarajan S, Subashree R, **Anand D**, Varalakshmi Sivalingam, Thyagarajan S.P, Subramanian S.

A study on the *in vitro* antifungal properties in the aqueous root-bark extract of *Decalepis hamiltonii* Wright & Arn.

**6) INDIAN JOURNAL OF APPLIED MICROBIOLOGY, (2004);4(1): 5-7.**

Rajarajan S, Yashoth kumar N, **Anand D**, Rathina Kumar SS, Thyagarajan S.P, Subramanian S.

A study on the *in vitro* antibacterial activities in the leaf extracts of *Ocimum americanum* Linn. for Gastroenteric bacteria.

**7) INDIAN JOURNAL OF APPLIED MICROBIOLOGY, (2006);6(1): 26-28.**

Rajarajan S, Sangeetha Vani G, Geetha T, **Anand D**, Subramanian S.

A study on isolation of *Streptococcus mutans* and its *in vitro* susceptibility to extracts from *Ficus bengalensis* Linn, *Terminalia chebula* Reitz, *Terminalia bellirica* Roxb, *Piper betel* and *Schizigum aromaticum* Linn.

**8) INDIAN JOURNAL OF APPLIED MICROBIOLOGY, (2006);6(1): 38-41.**

Palaniswamy KS, Jayaradha J, **Anand D**, Rajarajan S, Subramanian S.

*In vitro* antibacterial properties of the leaves and root bark of extracts of *Aegle marmelos* Cornea

**RESEARCH PAPERS PRESENTED IN THE NATIONAL  
CONFERENCES**

- 1) IV NATIONAL CONFERENCE OF THE SOCIETY FOR INDIAN HUMAN AND ANIMAL MYCOLOGISTS (SIHAM) AND INTERNATIONAL SYMPOSIUM ON MYCOTIC INFECTION IN THE 21<sup>ST</sup> CENTURY.

DEPT. OF MICROBIOLOGY, RAJAMUTHIAH MEDICAL COLLEGE,  
CHIDAMBARAM.18-20 JAN. 2002 .P.110 AB N0:67.

**D.Anand**, S.Vinod Kanna, S.S.Rathina Kumar, S.Rajarajan, S.P.Thyagarajan  
A study on the *in vitro* antifungal properties in the aqueous leaves extracts (Seitz filtered) of Sweet basil (*Ocimum bacilicum* Linn.) and Hoary basil (*Ocimum canum* Sim).

- 2) II ANNUAL CONFERENCE OF INDIAN ASSOCIATION OF APPLIED MICROBIOLOGISTS. DEPARTMENT OF MICROBIOLOGY, PRESIDENCY COLLEGE, CHENNAI – 5. DEC. 2002. P.19.

3)

**D.Anand**, N.Yasoth kumar, K.S.Palaniswamy, S.S.Rathinakumar, S.Rajarajan,  
A study on the *in vitro* antibacterial activities in the leaf extracts of *Ocimum canum* Sims and *Ocimum tenuiflorum* Linn for gastroenteritic bacteria. **(Prize paper)**

## RESEARCH PAPERS CONTRIBUTED IN THE NATIONAL CONFERENCES

XXIV NATIONAL CONGRESS OF INDIAN ASSOCIATION OF MEDICAL  
MICROBIOLOGISTS, JAWAHARLAL NEHRU MEDICAL COLLEGE, BELGAUM.-  
NOV.2000 AB NO:68,69.

1. S.Samundeeswari, J.Vikram, M.Chandramohan **D.Anand**, Rathinakumar, S.Rajaraman, S.P.Thyagarajan, S.Subramanian.  
A study on the *in vitro* antibacterial properties of *Ocimum basilicum* Linn.Var. *thyriflorum* leaf extract (aqueous) for gastroenteritic and pyogenic bacteria.
2. M.Yoganandam, Jim Robin, **D.Anand**, S.Rajaraman, S.P.Thyagarajan S.Subramanian.  
A study on the *in vitro* antibacterial properties of *Wedelia calendulaceae* Less. leaf extract(aqueous) for gastroenteritic and pyogenic bacteria.

XXII ANNUAL CONFERENCE OF INDIAN ASSOCIATION BIOMEDICAL  
SCIENTISTS, OCT – 2001.  
DEPT. OF MICROBIOLOGY, PRESIDENCY COLLEGE, CHENNAI – 5, P.17-18.

3. R.Banumathy, S.Rajaraman, Jim robin, **D.Anand**, S.P.Thyagarajan S.Subramanian.  
Evaluation of antibacterial properties of seeds of *Pongamia glabra* Linn.
4. S.S.Rathinakumar, J.Vikram, S.Samundeeswari, **D.Anand**, S.Rajaraman, S.P.Thyagarajan,  
A study on *in vitro* antibacterial properties of *Ocimum basilicum*(Leaf extract) for Gastro enteritic organisms.
5. K.Sukumaran, R.Padma Priya, L.Shankar, **D.Anand**, S.Rajaraman, S.Subramanian  
*In vitro* antibacterial properties of flower buds and seeds from *Cassia auriculata* Linn for gastroenteritic and pyogenic infections.
6. K.S.Palaniswamy, Jim robin, **D.Anand**, S.Rajaraman, S.Subramanian.  
*In vitro* Antibacterial properties in the unripe fruit pulp of wild var from *Aegle marmelos* Corr.

XXV ANNUAL CONGRESS OF INDIAN ASSOCIATION OF MEDICAL  
MICROBIOLOGISTS  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES –NEW DELHI , NOV-2001.  
P 82, 152,169.

7. S.Rajaraman, G.Ramadevi, **D.Anand**, S.P.Thyagarajan, S.Subramanian.  
*In vitro* antibacterial properties in the rhizome extract of *Alpinia officinarum* for gastroenteritic & wound infections,
8. Jim robin, R.Lakshmi, **D.Anand**, S.Rajaraman, S.P.Thyagarajan, S.Subramanian.

- In vitro* antibacterial properties in the dried fruits of *Piper cubeba*.
9. S.Kavitha, K.Thamaraiselvi, **D.Anand**, S.Rajajaran, S.P.Thyagarajan, S.Subramanian.  
*In vitro* antibacterial properties in the rhizome extract *Maranta arundinaceae* for gastroenteritic infections.
10. M.Niraja, M.Viswanath, Balakrishnan, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
*In vitro* antibacterial properties in the rhizome extract of *Acorus calamus* for gastroenteritic and pyogenic infections.
11. M.Vidhyanandam, R.Lakshmi Bala Deepa, **D.Anand**, S.Rajajaran, S.P.Thyagarajan, S.Subramanian.  
*In vitro* antibacterial properties in the dried fruits of *Piper longum*.

IV NATIONAL CONFERENCE OF THE SOCIETY FOR INDIAN HUMAN AND ANIMAL MYCOLOGISTS (SIHAM) AND INTERNATIONAL SYMPOSIUM ON MYCOTIC INFECTION IN THE 21<sup>ST</sup> CENTURY.

DEPT. OF MICROBIOLOGY, RAJAMUTHIAH MEDICAL COLLEGE,  
ANNAMALAI NAGAR, ANNAMALAI UNIVERSITY , CHIDAMBARAM.  
18-20 JANUARY 2002.P.110 AB N0: 68.

12. R.Padma priya, L.Sankar, **D.Anand**, K.Sukumaran, S.Rajajaran, S.Subramanian.  
*In vitro* antifungal properties in the aqueous extracts (Seitz filtered) of flower buds and seeds from Tanner's cassia (*Cassia auriculata* Linn.).

XXIII ANNUAL CONFERENCE OF INDIAN ASSOCIATION BIOMEDICAL SCIENTISTS, DEPARTMENT OF PHYSIOLOGY, JIPMER- PONDICHERRY.  
OCT- 2002.P.62-64.

13. B.Mahalakshmi, D.P.Zyju, **D.Anand**, S.Rajajaran, S.P.Thyagarajan, S.Subramanian.  
*In vitro* antibacterial properties of leaf extract and unripe fruit extracts of *Solanum nigrum* Linn.
14. Arun Prakash.D. Sarulatha.M., **D.Anand**, S.Rajajaran, S.P.Thyagarajan,  
*In vitro* antibacterial properties of leaf extracts of *Cyanodon dactylon* Pers & *Phyllanthus fraternus* Webster.
15. K.S.Palaniswamy, **D.Anand**, S.Rajajaran, S.Subramanian.  
*In vitro* antibacterial properties in the ripe fruit pulps from three varieties of *Aegle marmelos* Correa.
16. H.Latha Lakshmi, M.Priyadharshini, **D.Anand**, S.Rajajaran, S.Subramanian.  
*In vitro* antibacterial properties on the leaf extracts of *Coleus ambonicus* Lour var.; Green and *Coleus ambonicus* var. Varigatus.

17. Pravina.K, Niraja.M, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
*In vitro* antibacterial properties of leaf extract and unripe fruit extract of *Solanum trilobatum* Linn.
  18. T.Gokila, G.Geethmaliga, **D.Anand**, S.Rajajaran, S.Subramanian.  
*In vitro* antibacterial properties of root and fruit extract in the *Phyllanthus fraternus*, Webster.
  19. E.Gayathri, S.Kavitha, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
*In vitro* antibacterial properties in the aqueous extracts of bark and seeds from the *Thespesia populnea* (L) Sol.
- XXVI ANNUAL CONGRESS OF INDIAN ASSOCIATION OF MEDICAL  
MICROBIOLOGISTS  
NIMHANS CONVENTION CENTER, BANGALORE. NOV.2002.  
P.110, 111, 196, 222.
20. S.Rajajaran, K.Kavitha, Sathyabalanmayuran, **D.Anand**, S.P.Thyagarajan,  
S.Subramanian.  
*In vitro* antibacterial and antifungal properties in the leaf-extract of Henna.
  21. Asha.L, Jim robin, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
*In vitro* antibacterial properties in leaves of *Wedelia calendulacea* Less for surgical wound infections.
  22. Jothi.J, J.Jayakiriba, K.Sukumaran, **D.Anand**, S.Rajajaran, S.Subramanian.  
*In vitro* antibacterial properties of leaf and root extract from *Cassia auriculata* Linn. for certain gastroenteritic infections.
  23. Hemapriya J, **D.Anand**, S.Rajajaran, S.P.Thyagarajan, .  
*In vitro* antibacterial properties in the stem extract and leaf sheath extract of Banana .(*Musa sapientum* var. paradisiaca cultivar. monthan).
  24. H.Shanaz behum , S.H.M.Mohammed, **D.Anand**, S.Rajajaran, S.Subramanian,.  
*In vitro* antibacterial properties of fresh rhizome extract and dried rhizome extract from Ginger (*Zingiber officinale*).
  25. Vidhya.T. Vidhyanandan.M, **Anand.D**, Subramanian.S.S.Rajajaran.S.  
*In vitro* antibacterial properties of dried rhizome extracts from *Curcuma aromatica* Salisb and *Curcuma longa* Linn.
  26. Shiyamala.J, S.Vinodkanna, S.S.Rathinakumar, **D.Anand**, S,Rajajaran,  
S.P.Thyagarajan.  
*In vitro* antifungal properties of Sweet basil leaf extract (*Ocimum basilicum* Linn var. *thyrisflorum*)

27. T.Malathi, S.Vinodkanna, **D.Anand**, S.Rajajaran, S.P.Thyagarajan, S.Subramanian.

*In vitro* antifungal properties of Hoary basil (*Ocimum canum* Sim) leaf extracts.

II ANNUAL CONFERENCE OF INDIAN ASSOCIATION OF APPLIED MICROBIOLOGISTS .DEPARTMENT OF MICROBIOLOGY, PRESIDENCY COLLEGE, CHENNAI – 5. DEC. 2002. P.20, 31,32,49, 50.

28. R.Subhashree, **D.Anand**, Varalakshmi Sivalingam, S.Rajajaran.

A study on the *in vitro* antifungal properties in the aqueous root-extracts of *Decalepis hamiltonii* Wright and Arn.

29. K.S.Palaniswamy, J.Jayaradha, **D.Anand**, S.Rajajaran, S.Subramanian.

*In vitro* antibacterial properties of the leaves from three varieties of *Aegle marmelos* Correa.

30. S.S.Rathinakumar, B.Vidhya, **D.Anand**, S.Rajajaran, S.Subramanian.

*In vitro* antibacterial properties of leaf extract and root extract of *Parthenium hysterophorus* Linn.

31. K.S.Palani Swamy, **D.Anand**, S.Rajajaran, S.Subramanian.

*In vitro* antibacterial properties in the root of *Aegle marmelos* Correa.

32. R.Subashree, **D.Anand**, Varalakshmi sivalingam, S.Rajajaran.

A study on the *in vitro* antifungal properties in the aqueous root extract of *Hemidesmus indisus* (L) R.Br.

33. Shanbag gayathri narayan, Mahalakshmi.M, **D.Anand**, S.Rajajaran, S.Subramanian.

*In vitro* antibacterial properties of leaf extract from *Mentha arvensis* Linn for gastroenteritic organisms.

34. Hemalatha.B, Mahalakshmi.M, **D.Anand**, S.Rajajaran, S.P.Thiyagarajan.

*In vitro* antibacterial activity of leaf extract of *Centella asiatica* Linn.

XXIV ANNUAL CONFERENCE OF INDIAN ASSOCIATION OF BIOMEDICAL SCIENTISTS, INSTITUTE OF NUCLEAR MEDICINE & ALLIED SCIENCES, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION, DELHI. Nov- 2003. AB No:18-27.

35. Marysheela.J, T.Malathi, **D.Anand**, S.Rajajaran, S.P.Thyagarajan

A study on antibacterial activities in the aqueous extract (Seitz filtered) from seed of *Madhuca indica*.

36. M.Bhavani, J.Jothi, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.

- A study on *in vitro* antifungal activities in the aqueous (Seitz filtered) extract of dried fruits of *Terminalia bellirica*.
37. Kalaiselvi.V, B.Hemalatha, **D.Anand**, S.Rajajaran, S.Subramanian.  
A study on *in vitro* antibacterial properties in the crude extracts (Seitz filtered) of the rhizome of *Curcuma amada roxb*.
38. Sasikala.M.S, Shayamala.J, **Anand.D**, Rajajaran.S, Thyagarajan.S.P  
A study on the *in vitro* antibacterial activities in the aqueous extracts (Seitz filtered) of the root barks from *Decalepis hamiltoni* wright & Arn.
39. Naveenkumar.Y, M.Sivagami, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
*In vitro* anti fungal properties in the leaf extract of *Artemisia nilagirica* clarke.
40. Pugazhendhi.A, Shyamala.J, **Anand.D**, S.Rajajaran, S.P.Thyagarajan.  
A study on the *in vitro* antibacterial activities in the aqueous extracts (seitz filtered) of the root-bark from *Hemidesmus indicus* R. Br.
41. Menaga.G.P, M.Sivagami, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
*In vitro* antibacterial properties in the leaf extract of *Artemisia nilagirica*
42. S.Hema, L.Asha, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
A study on the *in vitro* antibacterial activity of leaf extract of *Mangifera indica* (L.) for gastroenteritic and wound infection causing bacteria.
43. S.K.Lavanya, L.Balaji, **D.Anand**, S.Rajajaran, S.Subramanian  
A study on the *in vitro* antifungal activities in the stem-bark extract (aqueous) of *Thespesia populnea* sol.
44. Vineetha K.Jose, H.ShahanazBegum, **D.Anand**, S.Rajajaran, S.P.Thyagarajan.  
A study on the *in vitro* antibacterial activity in the aqueous extract from stem-bark of *Bauhinia tomentosa* Linn.
- XXVII NATIONAL CONFERENCE OF INDIAN ASSOCIATION OF MEDICAL MICROBIOLOGISTS, GRANT MEDICAL COLLEGE & SIR J.J. HOSPITAL, MUMBAI.  
5<sup>th</sup> - 9<sup>th</sup> NOV-2003. PF24,27,28,29,106.
45. Arun Prakash.D, Shanbhag. Gayathri.N, **Anand. D**, Rajajaran.S, Subramanian. S .  
A study on the *in vitro* antifungal properties of the aqueous extract of unripe fruits from *Terminalia catappa* Linn.
46. Gokila.T,Malathi.T, **D.Anand**, Rajajaran.S, Thyagarajan.S.P  
*In vitro* antifungal activity of the aqueous extract of seeds of *Madhuca indica*.

47. Pravina.K, Kamal Surfraz Nawaz.A, **Anand.D**, Rajarajan.S, S.Subramanian, S.S Rathnakumar  
A study on the *in vitro* antifungal activity in the aqueous extract of leaves from *Ocimum gratissimum*.
48. Gomathi.C, Hemalatha.B, **Anand.D**, Rajarajan.S, S.P.Thiyagarajan  
A study on the *in vitro* antibacterial properties in the fresh rhizome extract of the *Curcuma longa* linn.
49. Rajarajan.S, Jothi, **Anand.D**, Thiyagarajan.S.P, Subramanian.S.  
A study on the *in vitro* antibacterial activities in the aqueous extract of dried fruits of *Terminalia bellirica* roxb.

NATIONAL SYMPOSIUM ON EMERGING AND RE-EMERGING VIRAL DISEASES, DEPT. OF MICROBIOLOGY, ASAN MEMORIAL COLLEGE OF ARTS AND SCIENCE, CHENNAI – 601 302  
12<sup>th</sup> OCT 2006, P1 to P5

50. Jayashree.S, Dyana Rose. A, **Anand.D**  
Study and isolation of drug resistance *E.coli* plasmid from insulin dependent and non-insulin dependent diabetic patients.
51. Maiyappan.S, Subir Das, **Anand.D**  
Studies on the antiseptic property of a chemical formulation and assessment of skin preservation by biochemical, Microbiological and histological method.
52. Sankar.S, Jayesh Gopal, **Anand.D**  
A study on *in vitro* antimicrobial activity of *Garcinia mangostana* and *Punica grantum* and its synergistic effects.
53. Subhashree Bhattacharya, Rabeel Ibrahim, **Anand.D**  
Isolation of beta haemolytic *Streptococcus* from throat and wound infection.
54. Ayana Ghosh, Subrangshu Paul, **Anand.D**  
Effect of temperature-time relationship on inducer milk quality

## **International / National / Conferences / Seminars Etc. Attended**

### **International Conferences:**

- International Conference on Bioterrorism and Public safety at the Dept. of Microbiology, Dr.ALM Post Graduate Institute of Basic Medical Sciences, University of Madras, Chennai, on 17<sup>th</sup> & 18<sup>th</sup> February 2006
- IV National Conference of the Society For Indian Human and Animal Mycologists (SIHAM) and International Symposium on Mycotic Infection in the 21<sup>st</sup> Century. Organized by Dept. of Microbiology, Rajamuthiah Medical College, Annamalai Nagar, Annamalai University, and Chidambaram on 18<sup>th</sup> –20<sup>th</sup> January 2002.

### **National Conferences:**

- XXV Annual Conference of Indian Association Biomedical Scientists (IABMS), held at Triple Helix Auditorium, Center for Leather research Institute and Dr.ALM Postgraduate Institute of Basic Medical Sciences, Chennai from 7<sup>th</sup> to 10<sup>th</sup> October 2004.
- II Annual Conference of the Indian Association of Applied Microbiologists (IAAM) at Department of Microbiology, Presidency College, Chennai - 5 on 21<sup>st</sup> & 22<sup>nd</sup> Dec, 2002.
- XXII Annual Conference of Indian Association Biomedical Scientists (IABMS), on 12<sup>th</sup>, 13<sup>th</sup>&14<sup>th</sup> Oct, 2001 at Department of Microbiology, Presidency College, Chennai – 5.

### **Seminars:**

- ‘National Symposium on Emerging and Re-emerging Viral diseases’ held on 12<sup>th</sup> Oct 2006 at Asan Memorial College of Arts and Science, Chennai – 601 302 in association with Indian Association of Biomedical Scientists (IABMS).
- State Level Seminar –“Molecular Diagnosis in Microbiology” held at Dept. of Microbiology, Prof. Dhanapalan College of Arts & Science, Kelambakkam-603103 on 19<sup>th</sup> August 2004.
- Trends in Molecular Biology and Biotechnology – 1999 held at the Dept. of Zoology, University of Madras, Guindy Campus, Chennai – 25. Sponsored by British Deputy High Commission, South India, Chennai on 20<sup>th</sup> August 1999.