

# **BIODATA**

## **NAME & DESIGNATION**

**Dr. D.M. Vasudevan, MBBS, MD, FRCPath, FAMS, FACBI**

Research Director, Jubilee Mission Medical College & Research Institute, Thrissur

Technical Director & Head of R&D - "Agappe Diagnostics Ltd", Pattimattom PO, Kochi

Head of PG & Research, Amrita Institute of Medical Sciences, Kochi

## **RESIDENTIAL ADDRESS**

13/865, "Sudharma", Near Appas Theator

Samoothamadham Road, West Nada, Guruvayur-680101

E-mail: dmvasudevan@yahoo.co.in

Mobile: 09349011312

## **DATE OF BIRTH**

06-06-1942

## **ACADEMIC QUALIFICATIONS**

1. **M.B.B.S.** (University of Kerala), 1968
2. **M.D. (Biochemistry)**, All India Institute of Medical Sciences, New Delhi, 1971
3. **Post-doctoral** Research at the Department of Immunology, Swiss Institute for Experimental Cancer Research, Lausanne, **Switzerland**, 1972-1974
4. **Advanced training** course in Immunology at the WHO Immunology Laboratory, Lausanne, Switzerland, 1974
6. Certificate course in Endocrinological Techniques and their Application, 1975
7. **Fellow of Royal College of Pathologists (FRC Path)**, 1994

## **AWARDS AND HONOURS**

### **International**

1. WHO Research Training Grant, 1972
2. Eleanor Roosevelt International Senior Cancer Fellowship by **International Union Against Cancer** (UICC), 1973
3. Short term visiting scientist at the Chester Beatty Cancer Research Institute, London, 1980
4. Short term visiting scientist at Uniformed University of Health Sciences, Bethesda, USA, 1985
5. Included in the 14<sup>th</sup> edition of 'Who is Who in the World', 1997
6. Included in the 1<sup>st</sup> edition of 'Who is Who in Medicine and Health Care', 1997
7. Included in 4<sup>th</sup> edition of 'Who is Who in Science and Engineering' published by Marquis, U.S.A, 1998
8. Included in 1<sup>st</sup> edition of 'Who is Who in Asia', 2006
9. "Product Innovation Award", Asian Health Care Leadership Awards - 2014 (as Technical Director and Head of R&D of Agappe Diagnostics Ltd)

### **National**

1. National Merit Scholarship, 1965
2. National Merit Scholarship, 1966
3. Sakuntala Amir Chand Prize by Indian Council of Medical Research for best paper

published, 1971

4. Fellow, College of Allergy and Applied Immunology (FCAI), 1978
5. Fellow, Indian Academy of Medical Specialities (FIAMS), 1982
6. Fellow, **National Academy of Medical Sciences**, (FAMS), 1992
7. **Dr. BC Roy Award for Eminent Medical Teacher** of Medical Council of India, 1992, received from the then President of India
8. Fellow, **National Academy of Medical Sciences** (FAMS), 1992 onwards
9. Dr. Jacob Zachariah Memorial Oration, Indian Dental Association, 1993
10. KL Gupta Memorial Oration (Association of Clinical Biochemists of India), 1995
11. Ati Visisht Chikitsa Medal, Association of College of Chest Physicians of India, 1995
12. Fellow, Association of Clinical Biochemists of India (FACBI), 2010
13. AJ Thakur Award for Life time achievement and significant contribution to the field of clinical biochemistry by Association of Clinical Biochemists of India, 2014
14. Awadhesh Saran Memorial Oration Award by Association of Clinical Biochemists of India, 2016

Awards shared as Technical Director and Head of R&D of Agappe Diagnostics Ltd:

15. Innovation Led Transformation Award”, All India Management Association, 2014
16. “Industrial Innovation Award”, Confederation of Indian Industries, New Delhi, 2014
17. Selected by ICMR for the exhibition “Innovations in Medical Science and Biotechnology” at Rashtrapathi Bhavan, 2015
18. “Medical equipment SME of the year“ for Mispa-i3, ASSOCHAM MEDCON 2016 Awards, Associated Chambers of Commerce India, New Delhi, 2016
19. National Award for successful commercialization of indigenous technology, by Technology Development Board, Dept of Science and Technology, Govt India, on 11 May 2018. Award received from the President of India.

### **State**

1. Best out going student, Guruvayurappan College, Calicut - 1961
2. **Best Doctor award in Medical Education Services**, received from Health Minister, Govt. of Kerala, 1995
3. **MM Ghani Award for Best Teacher** by University of Calicut, received from Chief Minister of Kerala, 1996
4. Vasudev Memorial Award for Best Project in Applied Science, Dept. Science & Technology, Govt. of Kerala - 1996

### **PATENTS**

Three Indian Patents received for the specific protein analyzer and the “unique channel shifting” technology of Agappe Diagnostics Ltd of which Dr.Vasudevan is the Technical Director & Head of R&D.

Title: No. 276126 (Cartridge based specific Protein analyzer)

No. 276127 (Cartridge based specific Protein analyzer)

No.276128 (Cartridge used in specific Protein analyzer)

### **LABORATORIES / INSTITUTIONS / COURSES STARTED**

1. Cancer Research Laboratory at Regional Cancer Centre, Trivandrum
2. Cancer Research Laboratory at Amala Cancer Research Centre, Thrissur
3. Jubilee Mission Medical College and Research Institute, Thrissur
4. Sikkim Manipal Institute of Medical Sciences, Gangtok
5. Amrita Institute of Medical Sciences, Kochi
6. Membership Course of the Indian Board of Clinical Chemistry

## **CAREER RECORD**

The career record of Dr. Vasudevan is given below.

2014 to date : Founder Director, Jubilee Centre for Medical Research, Jubilee Mission Medical College and Research Institute, Thrissur

2014 to date : Chief Editor, "Techagappe" - the International diagnostic news journal

2010 to date : Technical Director of the Agappe Diagnostics Ltd., Head R&D division

01.01.08 to date : Emeritus Professor of Biochemistry, Amrita Inst. Med Sciences

13.02.02 to 31.12.08 : Principal Amrita School of Medicine and Dean, Faculty of Medicine, Amrita Vishwa Vidyapeetham, Kochi

01.04.00 to 31.01.02 : Dean, Sikkim Manipal Institute of Medical Sciences, Gangtok

08.09.98 to 31.03.00 : Professor of Biochemistry, Kasturba Medical College, Manipal and in charge of Institute of Biological Sciences, Manipal

23.05.96 to 07.09.98 : Professor of Biochemistry, Kasturba Medical College, Mangalore

20.09.95 to 10.01.96

01.07.94 to 16.11.94 } Acting Principal, Govt. Medical College, Trichur

18.07.92 to 15.05.93

18.07.92 to 02.05.96 : Vice-Principal, Govt. Medical College, Trichur

16.05.89 to 02.05.96 : Professor and Head of Biochemistry, Govt. Medical College, Trichur

01.08.87 to 15.05.89 : Professor & Head of Biochemistry, Govt. Medical College, Kottayam

01.12.82 to 31.07.87 : Research Director, Amala Cancer Research Centre, Trichur

17.11.79 to 30.11.82 : Associate Professor of Biochemistry and Founder Head, Cancer Research Laboratory, Regional Cancer Centre, Trivandrum

02.05.78 to 16.11.79 : Asst. Professor of Biochemistry, Govt. Medical College, Trivandrum

04.02.74 to 24.04.78 : Asst. Professor of Biochemistry, Govt. Medical College, Calicut

21.02.72 to 29.01.74 : Post-doctoral Research Fellow at Institute of Cancer Research, Switzerland

02.08.71 to 18.02.72 : Asst. Professor of Biochemistry, Govt. Medical College, Calicut

04.06.71 to 01.08.71 : Tutor in Biochemistry, Govt. Medical College, Calicut

18.07.69 to 21.05.71 : Post graduate Fellow, AIIMS, New Delhi

23.02.68 to 15.07.69 : Tutor in Biochemistry, Govt. Medical College, Calicut

## **OFFICIAL POSITIONS HELD**

Chairman, Scientific Committee, Asia Pacific Conference of Clinical Biochemistry, Jaipur, India - 2019

Member, Education and Laboratory Management Committee, Asia Pacific Federation of Clinical Biochemistry - 2013-2016

Director, Indian Board of Clinical Biochemistry - 2012 to date

Member, Scientific Advisory Committee, National Centre for Disease Informatics and Research (ICMR), Bangalore - 2011-2018

President, Indian Association of Clinical Biochemists of India - 2010

Member, Executive Committee, Association of Clinical Biochemists of India - 2009 to date

Member, Project approval committee (PAC) under Technology Mission on Coconut (TMOc), Kera Bhavan, Kochi - 2009-2018

Member, Advisory Committee, National Institute of Occupational Health (ICMR) - 2007-2017

Member, Editorial Board, Indian Journal of Clinical Biochemistry - 2000-2002  
Member, Scientific Advisory Committee of the Institute for Cytology and Preventive Oncology (ICMR) - 1996-2002  
President, Kerala Chapter, Indian Society of Parenteral and Enteral Nutrition - 1996  
Special Officer to prepare Project Report to start the School of Medical Science, under Cochin University of Science and Technology - 1995-1996  
Member of Commission to Report to Government on the Residency Programmes in Medical Colleges in Kerala - 1995  
Member, Editorial Board, Journal of Experimental and Clinical Cancer Research, Italy - 1993-2002  
Expert member, State Board of Medical Research, Directorate of Medical Education, Kerala - 1993-1996  
Referee, The Cancer Journal, France - 1990-1995  
Referee, Indian Journal of Clinical Biochemistry - 1987 to date  
Vice President, Indian Immunology Society - 1986-1988  
Member, Monitoring Committee, Department of Science and Technology, Govt. of India - 1986-1988  
Member, Task Force of Life Sciences, Science Technology and Environment, Government of Kerala - 1985-1987  
Member, Governing Body of Amala Cancer Research Centre, Thrissur - 1984-1998  
Member, Project Advisory Committee, Immunology and Cancer (ICMR) - 1984-1987  
Member, Advisory Committee on Cancer Research (ICMR) - 1983-1987  
Referee to Scientific Projects on Cancer (DST) - 1982-1996  
Referee to Scientific Projects in Immunology (ICMR) - 1979-1990  
Member, Committee to organise the Dept. Of Life Sciences, University of Calicut -1976

#### **MEMBERSHIP IN ACADEMIC BODIES**

Member, Faculty of Health Sciences, University of Calicut - 2016-2019  
Member, Research Council, Kerala University of Health Sciences, Thrissur - 2015  
Member, Academic Council, Amrita Vishwa Vidyapeetham (Deemed Uty) - 2002-2008  
Member, Board of Studies, Faculty of Medicine (PG) Calicut University - 2002-2012  
Member, Board of Studies in Postgraduate Basic Medical Sciences, Sri Ramachandra Medical College and Research Institute (Deemed Uty) - 1999-2002  
Member, Board of Studies in Paramedical studies, University of Calicut - 1998-2000  
Member, Academic Senate of Manipal Academy of Higher Education (Deemed Uty) - 1997-2000  
Member, Board of Studies, Biochemistry, University of Calicut - 1997-2006  
Member, Board of Studies in Biotechnology, Cochin University of Science and Technology, Cochin - 1996-1999  
Member, Faculty of Science, M.G. University, Kottayam - 1996-2002  
Member, Academic Council of Biotechnology, M.G. University - 1996-2000  
Member, Board of Studies, Biotechnology, M G University - 1995-2000  
Member, Board of Studies, Faculty of Medicine (UG), Calicut University - 1992-1998  
Member, Board of Studies in Biochemistry, M G University, Kottayam - 1988-1992

#### **MEMBERSHIP IN SCIENTIFIC BODIES**

Member, Association of Cancer Research  
Member, American Association of Clinical Chemists  
Member, New York Academy of Sciences, U.S.A  
Life Member and Fellow, Association of Clinical Biochemists of India  
Fellow, Royal College of Pathologists, London  
Fellow, National Academy of Medical Sciences

Fellow, Indian Academy of Medical Specialities  
Life Member, Indian Immunology Society  
Fellow, College of Allergy & Applied Immunology  
Life member, Indian Medical Association  
Founder Fellow, Geriatric Society of India

### **EXAMINERSHIPS**

Ph.D., M.D. and MBBS examiner in Biochemistry and Immunology for  
University of Kerala  
University of Calicut  
M.G. University of Kottayam  
Madurai Kamaraj University  
University of Madras  
Manipal Academy of Higher Education, Manipal  
University of Bombay  
University of Poona  
University of Nagpur  
University of Calcutta  
University of Kalyani  
All India Institute of Medical Sciences, New Delhi  
Amrita University

### **RECOGNISED AS Ph.D GUIDE FOR**

University of Calicut  
University of Kerala  
Manipal University  
Amrita University  
Yenapoya University

### **CONFERENCES ORGANISED**

- Chairman, Scientific Committee and member of Organizing Committee of the Asia Pacific Conference of Clinical Biochemistry, Jaipur, India in 2019.
- National Symposium on Genetics in Clinical Medicine in 2017
- Organising Secretary, 36<sup>th</sup> **National Conference** of the Indian Association of Clinical Biochemists of India (ACBI), at Kochi, 3-7 November 2009
- Organiser, Satellite Symposium, Asia Pacific Meeting of the Society for Free Radical Research, Kochi, 4-5, Jan 2006
- Treasurer, 9<sup>th</sup> **Asia Pacific Conference** on Clinical Biochemistry, New Delhi, Nov.2001
- Member, National Organising Committee, 10<sup>th</sup> International Congress of Immunology, New Delhi, 1-6 November 1998
- Vice Chairman of the Organising Committee, 23rd Annual **National Conference** of Association of Clinical Biochemists of India, Kottayam, 27th to 30th December, 1996
- Organising Secretary, CME Programme on Recent Advances in Cancer Research and Treatment, Trichur on 11th June 1994
- Organiser, Workshop on Inquiry Driven Strategies for Innovations in Medical Education, Trichur, on 31st March and 1st April 1994
- Organising Secretary, Continuing Medical Education Programme on Recent Advances in Laboratory Techniques in Medicine on 19th to 21st February, 1993

- Organiser, **National Symposium** on Applications of Biotechnology in Medicine: Trichur, 11th and 12th January 1992
- Organiser, **Indo-US Workshop** on Viruses and Human Cancer; Trichur; 3-5 January, 1989.
- Organiser, CME Programme on Diabetes: Trichur, 3rd February, 1991
- Organiser, **National Seminar** on Applied Immunology: Trichur; 24.3.1991
- Organising Secretary, 12th **National Conference** of the Indian Immunology Society and Symposium on Tumor Immunology: Trichur; 13-15, Dec. 1985

## **PHILANTHROPIC ACTIVITIES**

### **Viswasanthi Human Advancement Foundation**

The Foundation aims at creating and delivering high impact and focused programs to the underprivileged sections of society in the areas of Healthcare and Education. Dr.Vasudevan has been the Director of Viswasanthi Human Advancement Foundation since 2015. The activities include providing infrastructure to bridge the Digital divide in schools in Kerala, creating a network of like minded hospitals across Kerala to deliver co-funded healthcare camps, and similar initiatives aimed at reducing the financial burden of healthcare for the poor.

### **Sri Guruvayurappan Sankirthana Trust**

Dr. Vasudevan has been the Trustee and Treasurer of this spiritual organization for the past 20 years.

The trust organize discourses and meetings to propagate devotional scriptures such as Bhagavatham, Bhagavad Geetha, etc. and provide free noon meals to around 500 poor people per day. The Trust also runs a boarding facility, where the devotees can get accommodation on subsidized rates.

### **Samastha Nair Samajam Foundation**

Dr. Vasudevan has been the Chairman and Director of the Samastha Nair Samajam Foundation from August 2014. This is a social philanthropic organization, with major activities focusing on educational scholarships to students and on microfinancing to women co-operatives.

### **Atukal Devi Institute of Medical Sciences Hospital, Thiruvananthapuram**

Dr. Vasudevan has been the Chairman and Managing Director of Atukal Devi Institute of Medical Sciences Hospital, Thiruvananthapuram for the past 5 years, a hospital for the low socio-economic group. The hospital provide free treatment for poor patients. Free camps are also organized in nearby villages.

## **LIST OF STUDENTS GUIDED & THEIR THEIR WORK FOR Ph.D THESIS**

1. V K Sasidharan: "Assessment of Biochemical and Immunological status of patients with Oral Cancer", University of Kerala, March 1985
2. P Sanjeevkumar: "Biochemical Alterations in Chemical Carcinogenesis", University of Kerala, January 1988
3. T V Kumari: "Search for Etiological Factors of Oral Cancer with special reference to Viruses", University of Kerala, August 1988
4. V Thankamani: "Association of Herpes Virus with Human Cervical Carcinoma", University of Kerala, April 1989

5. P Bhanumathy: "Chemoprotective Effect of certain Sulfhydryl Compounds", University of Calicut, March 1991
6. S Vivekanandhan: "Immunological Studies on Meningitis", University of Kerala, June 1991
7. A Ravindran: "Cytogenetical Studies on Human Cancers", University of Kerala, July 1991
8. K Suresh: "Assessment and augmentation of Immunological status during tumour development", University of Calicut, September 1991
9. Girija Kuttan: "Anticancer Properties of Iscador", University of Calicut, November 1991
10. P N Raghunath: "Circulating Immune Complexes in Oral and Cervical Cancers", University of Calicut, September 1992
11. Kezia Kuruvilla: "Investigations on oncogenic virus genes in human Oral Cancer", University of Calicut, March 1994
12. M V I Mammi: "Trace elements and lipid profile in Diabetes Mellitus" University of Calicut, October 1996
13. V Kala: "Association of Herpes Virus with Oral Cancer", University of Calicut, December 1998
14. C Beena: "Isolation purification and biochemical properties of plant lectins from *Atrocarpus hirsuta* and *Trichosanthes anguina*", University of Calicut, March 1999
15. Minnie Pillay: "Expression of P53 Tumour Suppressor Gene in Oral Cancers", Manipal Academy of Higher Education, March 2002
16. Geetha Samak: "Antioxidant, Immunomodulatory effects and antiatherogenic properties of Ocimum extract", Manipal Academy of Higher Education, December 2002
17. Reshma Kumarchandra: "Macrophage enzymes in Cancers and during treatment", Manipal Academy of Higher Education, March 2003
18. Winston Costa Pereira: "Apoptosis during Immune response". Manipal Academy of Higher Education, March 2003
19. M Ananth: "Characterization of the GM-CSF Receptor", Manipal Academy of Higher Education, March 2004
20. K Rameshkumar: "Isolation of specific antigens from *Mycobacterium Tuberculosis*", University of Calicut, September 2004
21. Maneesh M: "Investigations on Alcohol induced Testicular Injury", Sikkim Manipal University, January 2005
22. K K Elyas: "Isolation and characterisation of tumour associated antigens and their significance in host Immune response", University of Calicut, June 2006
23. Kalathil Suresh, "Role of Interleukin-2 on regulation of antitumor Immunue responses in Gastric Carcinoma patients", University of Calicut, July 2006
24. Subir Kumar Das: "Studies on oxidative stress and other biochemical parameters in Alcoholism", Amrita Vishwa Vidyapeetham, January 2007
25. Asim Saha: "A study of determinants in the causation of occupational accidents", Amrita Vishwa Vidyapeetham, November 2007
26. Sukhesh Mukherjee : "Ethanol induced oxidative stress in brain; role of free radicals and antioxidants", Amrita Vishwa Vidyapeetham, December 2009
27. Sabitha P : "Effect of coconut oil/sunflower oil on coronary artery disease and oxidative stress", Amrita Vishwa Vidyapeetham, July 2010

28. Alka Anilkumar: “Chromosome 22q11 microdeletion in patients with selected congenital heart disease (conotruncal malformations); study of prevalence, phenotype, genotype and mode of inheritance”, Amrita Vishwa Vidyapeetham , July 2016
29. M P Narayanan: “Clinical, biochemical and molecular genetic profile of organic acidurias”, Amrita Vishwa Vidyapeetham, March 2019
30. Praveena P: “Indigenous development of Latex enhanced qualitative Immuno assay for the detection of high sensitivity CRP (Hs CRP) and performance validation with the available imported reagent”, Yenepoya University, January 2021.
31. Remya Sudevan : “Secondary prevention of coronary artery disease: Current profile, time trends in compliance and predictors of failure from Kerala, South India”, Amrita Viswavidyapeetham, August 2021
32. Prasanth A S : “Evaluation of molecular pathogenesis of Colorectal cancer”, Amrita Viswavidyapeetham, registered in 2017
33. K T Molly: “Evaluation of patients satisfaction who have undergone bariatric surgery for overweight”, Amrita Viswavidyapeetham, registered in 2017
34. Kannan Vaidyanathan : “Molecular profile of breast cancer subtypes”, Amrita Viswavidyapeetham, registered in 2019
35. Renjith Bhadrn: “A public health assessment to access the knowledge level of the effectiveness of Bio-Medical Waste Management rules in super speciality hospitals and need for future improvements”, Amrita Viswavidyapeetham, registered in 2019

## GRANTS ADMINISTERED

1. Angiogenesis and Alcoholism: Kerala Science and Technology. 2007-2009
2. Apoptosis during immune response: Senior Research Fellow: ICMR grant IRIS No.9902760; ICMR No.45/2/2000- EMS, dt.9.11.2000, 2000-2002
3. Prevalence of virus infections in Kerala and their etiological significance in Cancers:Dept. of Science Technology and Environment, Govt. of Kerala. GO.M.S.III/92/STED dt.1.10.92. 1993-1995
4. Isolation of Plant Lectins: CSIR Grant No.8/3354(3)/92-EMR-I. 1992-1994
5. Generation of high grade Tumour Specific CTL against a Murine T Cell Lymphoma: No. 3/1/2/17/ 8903430/89-NCD-III. ICMR.1992-1994
6. Generation of *in-vitro* Cytotoxic T Lymphocytes in an Experimental Tumor Model: Dept. of Science Technology & Environment, Govt.of Kerala, GO.MS.28/92/STED dt.16.3.92. 1991-1992
7. Studies on the Diagnostic and Therapeutic applications of Alpha Feto Protein: Govt of Kerala, Dept of Science and Technology, GO Rt. 180/91/STED. 1991-1993
8. Synergistic Effect of Herpes Simplex Virus and Betal Quid Ingredients on Transformation Potential: Indian Council of Medical Research No. 5/13/1/90-NCD-III. 1991-1993
9. Indigenous production of RIA/ELISA kits for AFP Tumour Marker Department of Biotechnology, No. DBT/02/003/88/R & D. 1989-1992
10. Large scale production of Antigen and Antibody against AFP for commercial production of AFP-RIA kits: Dept. of Atomic Energy, No. 35/4/89-G. 1989-1992
11. Isolation and Purification of Antigen and Production of Specific Antibodies against AFP: Dept. of Atomic Energy No.35/3/85-G. 1986-1989
12. Protection against side effects of Anticancer Drugs by SH compounds: CSIR. No. 9(187)/84-EMR-II. 1984-1987



13. Detection of Immune Complexes in circulation of Cervical Cancer Patients: Committee for Science Technology and Environment, Govt. of Kerala. 1984
14. Isolation of Tumour Associated Antigens form Circulating Immune Complexes in Oral Cancer Patients: ICMR.No. 5/13/14/82-NCD-III. ID.No.83-01230. 1984-1986
15. Search for an Oncogenic Virus Associated with Oral Carcinoma: Dept. of Science and Technology, Govt. of India. No.HCS/DST/1225/81. 1983-1986
16. Effect of Levamisol as an Immunotherapeutic Agent in Oral Cancer Cases: ICMR No. 5/3/13/8/80-CAR-I. 1981-1983
17. Purification of Tumour Associated Antigen from Oral Cancer Tissues: ICMR No.5/13/6/8/CAR-I (IDNo.80-01560) 1981-1983
18. Isolation of Tissue Specific Plant Lectins, ICMR No. 5/3-1(4)80-BMS (ID.No. 80-02580) 1980-1983
19. Search for an Oncogenic Virus Associated with Oral Carcinoma, a pilot study: ICMR No. 5/13/3/79-CAR-I. ID No.79-00420, 1979 to 1982
20. Detection, Isolation and Purification of Tumour Associated Antigen in Oral Cancer Patients: Dept. of Atomic Energy, No. BRNS/4/7/79-G. 1979-1981
21. Establishment of a Cell Line of Carcinoma of Oral Cavity and Assessing the Cell Mediated Immunity in Cancer Patients: ICMR No. 5/13/3/78-CAR-I. 1978-1980
22. Evaluation of Immunity in Patients having Oral Carcinoma: University Grants Commission Grant No. 1072, 1976-1977

## AUTHORSHIP / EDITORSHIP

### Books authored

1. **Text book of Biochemistry for Medical Students:** D.M.Vasudevan and Sreekumari S: Published by Jaypee Brothers, New Delhi, First Edition, 1995; Second Edition, 1998; Third Edition, 2001; Fourth edition, 2004; Fifth edition, 2007; 6<sup>th</sup> edition, 2010; 7<sup>th</sup> edition, 2013; 8<sup>th</sup> edition, 2016; 9<sup>th</sup> edition, 2019.
2. Text book of Biochemistry for Medical Students: **Spanish** edition six editions available
3. Text book of Biochemistry for Medical Students: **Slovak** edition
4. **Text book of Biochemistry for Dental Students:** D.M.Vasudevan and Sreekumari S: Published by Jaypee Brothers, New Delhi, First Edition, 2006; 2<sup>nd</sup> edition, 2012; 3<sup>rd</sup> ed, 2018.
5. Practical Textbook for MBBS Students: D.M. Vasudevan and Subir Kumar Das, Published by Jaypee Brothers, New Delhi, First Edition, 2006; 2<sup>nd</sup> edition, 2013; 3<sup>rd</sup> ed. 2019.
6. Clinical Chemistry Made Easy: DM Vasudevan, Sreekumari S, Kannan Vaidyanathan, Geetha Damodaran Published by Jaypee Brothers, 2010
7. Concise Textbook of Biochemistry for paramedical students: D.M. Vasudevan and T. Vijayakumar : Jaypee Medical Publishers, New Delhi, 2012.

### Authored chapters in books

8. **Two chapters** (a) Defensive mechanism of host against infections; and (b) Basic Principles of Oncology: D.M.Vasudevan: In Short Text Book of Medicine, Ed: K.V.Krishnadas: Published by Jaypee Brothers, New Delhi, 1986; 2nd edition, 1990; 3<sup>rd</sup> edition, 1996.
9. **Two chapters** (Chapter 7 Normal and abnormal constituents of urine; Chapter 10.3 Kidney function tests) in Essentials of Practical Biochemistry: Edited by L.M. Srivastava; published by CBS Publishers and Distributors, New Delhi, 2002, 2<sup>nd</sup>ed 2010, 3<sup>rd</sup> ed 2017.
10. Inborn Errors of Metabolism and Brain Involvement, 5 years' Experience from a Tertiary Care centre in South India: Kannan vaidyanathan, MP Narayanan and DM Vasudevan : in Brain Damange, Bridging Between Baic Research and Clinics; Ed Alina Gonzalez-Quevedo; InTech; 57-78; 2012

## **Books edited**

11. Proceedings of Indo-US workshop on Viruses and Human Cancer, Ed: D.M.Vasudevan, published by Amala Cancer Centre, Trichur, 1987.

## **PUBLICATIONS IN NATIONAL AND INTERNATIONAL JOURNALS**

1. Malignant Haemangiopericytoma, a case report: D.M.Vasudevan, M.Philip, K.T.Mathew and R.Eapen: Indian J. Cancer, 6 (4), 262-266, **1969** December. Pubmed, PMID No. 5382960
2. Effect of Neuraminidase on electrophoretic mobility and immune cytolysis of human uterine cervix carcinoma cells: D.M.Vasudevan, K.Balakrishnan and G.P.Talwar: International J. Cancer, 6 (3), 506-516, **1970**. Pubmed, PMID No. 5486608
3. Immune mechanisms in cytolysis of malignant cells, effect of Neuraminidase on cervical carcinoma cells: D.M.Vasudevan, K.Balakrishnan and G.P.Talwar: Aspects of Allergy and Applied Immunology, 3, 17-19, **1971**.
4. Immunological studies in human cervical carcinoma: D.M.Vasudevan; Thesis submitted to the Faculty of the All India Institute of Medical Sciences, for M.D.(Biochemistry), March, **1971**.
5. Lymphocyte bearing Immunoglobulin determinants in normal human lymph nodes and in patients with lepromatous leprosy: R.C.Varma, K.Balakrishnan, D.M.Vasudevan and G.P.Talwar: International J. Leprosy, 39 (1), 20-24, **1971** Jan-Mar. Pubmed, PMID No. 4106081
6. Immunoglobulins in Carcinoma Cervix: D.M.Vasudevan, K. Balakrishnan and G.P.Talwar: Indian J. Medical Research, 59 (10), 1653-1657, **1971** October. Pubmed No. PMID 5159002.
7. Increased cytolytic effect of Immune Lymphocytes in a Syngeneic tumour system following simple purification procedures: D.M.Vasudevan, K.T. Brunner and J-C. Cerottini: British J. Cancer: 28, Supl., 1, 35-36, **1973** August. Pubmed, PMID No.4804289
8. Detection of Cytotoxic T Lymphocytes in the EL-4 Leukemia system; Increased activity of Immune Spleen and Peritoneal cells following pre-incubation and fractionation procedures: D.M. Vasudevan, K.T. Brunner and J-C. Cerottini: International J. Cancer, 14 (3), 301-313, **1974** September. Pubmed, PMID 4549212
9. Lymphocyte mediated Cytotoxicity, Mechanisms and Relationship to immunity; K.T. Brunner, F. Plata, D.M.Vasudevan and J-C. Cerottini: In Host Defense against Cancer and its Potentiation; Ed. D.Mizuno et al, University of Tokyo, p. 43-53, **1975**.
10. Indices of Liver function in Acute and Chronic Congestive Cardiac Failure: T. Vijayakumar, G. Ganapathy Rao, D.M. Vasudevan and P.I. Narayanan: Kerala Medical Journal: 17, 249-258, **1977**.
11. Immunology of Cancer; a review: D.M.Vasudevan: Kerala Dental Journal, 2, 8-16, **1977**.
12. Detection of Cytotoxic T Lymphocytes in Tumour Bearing Animals; procedures to isolate highly active populations; D.M.Vasudevan and T.Vijayakumar: Indian J Cancer, 14 (4), 354-360, **1977** December. Pubmed No. PMID 306380

13. Vitamin C; facts and fiction: T.Vijayakumar and D.M.Vasudevan: Kerala Medical Journal, 18, 96-106, **1978**.
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