

BIODATA

Name and Address : **Dr. D.M. VASUDEVAN**, MBBS, MD, FRCPath, FAMS, FACBI

Director-Research, Jubilee Centre for Medical Research
Jubilee Mission Medical College & Research Institute, Thrissur 680005, Kerala

Principal (Retd) Amrita Institute of Medical Sciences, Kochi
13/865, "Sudharma", Near Appas Theator
Samoohamadham Road, West Nada, Guruvayur-680101
E-mail: dmvasudevan@yahoo.co.in

DATE OF BIRTH : 06 -- 06 -- 1942

ACADEMIC QUALIFICATIONS:

M.B.B.S. (University of Kerala), 1968.

M.D. (Biochemistry), All India Institute of Medical Sciences, New Delhi, 1971.

Post-doctoral Research at the Department of Immunology,
Swiss Institute for Experimental Cancer Research, Lausanne,
Switzerland, 1972-1974.

Advanced Training Course in Immunology at W.H.O. Immunology
Laboratory, Lausanne, Switzerland, 1973 (WHO Grant).

Certificate Course in "Endocrinological Techniques and Their
Application" at National Institute of Nutrition, Hyderabad, 1975.

Fellow of Royal College of Pathologists (FRC Path), 1994.

AWARDS AND HONOURS:

Sakuntala Amir Chand Prize by the Indian Council of Medical Research, for the best paper published in the
year, 1971.

WHO Research Training Grant 1972.

Eleanor Roosevelt International Senior Cancer Fellowship by **International Union Against Cancer (UICC)**
1973.

Fellow, College of Allergy & Applied Immunology (FCAI) 1978.

Fellow, Indian Academy of Medical Specialities (FIAMS) 1982.

Fellow, National Academy of Medical Sciences, (FAMS), 1992.

Dr. B.C.Roy Award for Eminent Medical Teacher, (Indian Medical Council), 1992, received from the
Hon'ble **President of India**.

Dr. Jacob Zachariah Memorial Oration (Indian Dental Association), 1993.

Award of Best **Doctor in the Medical Education Services**, received from the Health Minister, Govt. of
Kerala, 1995.

KL Gupta Memorial Oration (Association of Clinical Biochemists of India), 1995.

Ati Visisht Chikitsa Medal by the Association of College of Chest Physicians of India, 1995.

M.M. Ghani Award for **Best Teacher** by Calicut University, received from the Chief Minister of Kerala,
1996.

Vasudev Memorial Award for Best Project carried out in Applied Science, Dept. Science & Technology,
Govt. of Kerala, 1996

Included in the 14th Edition (1997) of Who is Who in the World, and 1st Edition (1997) of Who is Who
in Medicine and Health Care, and 4th Edition (1998) of Who is Who in Science and Engineering,
published by Marquis, U.S.A. and 1st Edition of Who is Who in Asia, 2006.

Member, New York Academy of Sciences, U.S.A., 1997.

Founder Fellow, Geriatric Society of India, 2003.

Kerala Academy of Sciences, KTAugusti Endowment Lecture, October 2005.

Fellow, Association of Clinical Biochemists of India (FACBI), 2010

EMPLOYMENT RECORD:

- 23.02.68 to 15.07.69: Tutor, Biochemistry, Medical College, Calicut, Kerala
 18.07.69 to 21.05.71: Post graduate Fellow, AIIMS, New Delhi.
 04.06.71 to 01.08.71: Tutor, Biochemistry, Medical College, Calicut, Kerala
 02.08.71 to 18.02.72: Asst. Professor, Biochemistry, Medical College, Calicut.
 21.02.72 to 29.01.74: Post-doctoral Research Fellow at Institute of
 Cancer Research, Switzerland.
 04.02.74 to 24.04.78: Asst. Professor, Biochemistry, Medical College, Calicut
 02.05.78 to 16.11.79: Asst. Professor, Biochemistry, Medical College, Trivandrum
 17.11.79 to 30.11.82: Associate Professor of Biochemistry
 and Head of Department of Cancer Research,
 Regional Cancer Centre, Trivandrum.
 01.12.82 to 31.07.87: Research Director, Amala Cancer Research Centre, Trichur.
 01.08.87 to 15.05.89: Professor & Head, Department of Biochemistry,
 Medical College, Kottayam.
 16.05.89 to 02.05.96: Professor and Head, Biochemistry, Medical College, Trichur.
 18.07.92 to 02.05.96: Vice-Principal, Medical College, Trichur.
 18.07.92 to 15.05.93 }
 01.07.94 to 16.11.94 } Acting Principal, Medical College, Trichur
 20.09.95 to 10.01.96 }
 23.05.96 to 07.09.98: Professor of Biochemistry, KMC, Mangalore.
 08.09.98 to 31.03.00: Professor of Biochemistry, Kasturba Medical College, Manipal,
 and in charge of Institute of Biological Sciences, Manipal.
 01.04.00 to 31.01.02: Dean, Sikkim Manipal Institute of Medical Sciences, Gangtok
 13.02.02 to 31.12.08: Principal Amrita School of Medicine and Dean, Faculty of Medicine, Amrita Vishwa
 Vidyapeetham, Kochi

MEMBER OF SCIENTIFIC SOCIETIES

- Member, American Association of Clinical Chemists (AACC) from 2010 onwards
 Life Member and Fellow, Association of Clinical Biochemists of India (ACBI), 1994 onwards
 Fellow, National Academy of Medical Sciences, (FAMS), 1992.
 Fellow, Indian Academy of Medical Specialities, 1982.
 Fellow, College of Allergy & Applied Immunology, 1978.
 Life member, Indian Medical Association, 1968 onwards
 New York Academy of Sciences
 Association of Cancer Research

Recognised Guide for PhD

- University of Calicut, University of Kerala, Manipal University
 Amrita University, Yenapoya University

ORGANISER OF CONFERENCES:

- Organising Secretary, 12th **National Conference** of the Indian Immunology Society and Symposium on
 Tumor Immunology: Trichur; 13-15, Dec. 1985.
 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.
 Organiser, **National Symposium** on Applications of Biotechnology in Medicine: Trichur, 11th and 12th
 January 1992.
 Organising Secretary, Continuing Medical Education Programme on Recent Advances in Laboratory
 Techniques in Medicine on 19th to 21st February, 1993.

- 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.
- Vice Chairman of the Organising Committee, 23rd Annual **National Conference** of Association of Clinical Biochemists of India, Kottayam, 27th to 30th December, 1996.
- Convenor, Karnataka Chapter meeting of the Association of Clinical Biochemists of India, on 5-10-1997.
- Member, National Organising Committee, 10th International Congress of Immunology, New Delhi, 1-6 November 1998.
- Treasurer, 9th **Asia Pacific Conference** on Clinical Biochemistry, New Delhi, Nov.2001.
- Organiser, Satellite Symposium, Asia Pacific Meeting of the Society for Free Radical Research, Kochi, 4-5, Jan 2006.
- Organising Secretary, 36th **National Conference** of the Indian Association of Clinical Biochemists of India (ACBI), at Kochi, 3-7 November 2009.

FOUNDER OF NEW LABORATORIES AND INSTITUTIONS

1. Founder Head, Cancer Research Laboratory at Regional Cancer Centre, Trivandrum (1979 to 82)
2. Founder Head, Cancer Research Laboratory at Amala Cancer Research Centre (1982 to 87)
3. Established the Post graduate laboratory at Medical College, Trichur, (1989 to 92).
4. Founder Dean, Sikkim Manipal Institute of Medical Sciences, Gangtok, 2000 – 2002
5. Founder Principal, Amrita Institute of Medical Sciences, Kochi, 2002-2008

REFEREE AND ADVISOR OF:

- Member, Committee to organise the Dept. Life Sciences, University of Calicut (1976).
- Referee to Scientific Projects of the I.C.M.R. in Immunology, 1979 to 1990
- Referee to Scientific Projects of D.S.T. in Cancer, 1982 to 1996
- Member, Advisory Committee on Cancer Research of I.C.M.R (1983-1987)
- Member, Project Advisory Committee, Immunology and Cancer, I.C.M.R., (1984-1987).
- Member, Research Committee of Tuberculosis Association, 1984 - 1988
- Member, Governing Body of Amala Cancer Research Centre, 1984 - 1998.
- Member, Task Force of Life Sciences, Science Technology and Environment, Government of Kerala (1985-87)
- Referee, Indian Journal of Medical Research, 1985 onwards.
- Member, Monitoring Committee, Department of Science and Technology- (DST) Government of India (1986-1988)
- Vice President of the Indian Immunology Society, 1986 to 1988.**
- Referee, Indian Journal of Clinical Biochemistry, 1987 onwards
- Referee, The Cancer Journal, France, 1990 to 1995.
- Expert member, State Board of Medical Research, Directorate of Medical Education, Kerala, (1993 to 1996)
- Member, Editorial Board, Journal of Experimental and Clinical Cancer Research, Italy, (1993 to 2002)
- Member, Nagarjuna Research Foundation (1995 to 2000)
- Member, Panel of Judges to select candidate for International Federation of Clinical Chemistry Award, 1995.
- Member, Panel of Assessors, Australian Research Council, 1995 and 96
- Member, Panel of Judges to select candidate for Young Scientist Award in Health Sciences, Department of Science and Technology 1995 to 1998.
- Member of Commission to Report to Government on the Residency Programmes in Medical Colleges in Kerala, 1995
- Special Officer to prepare Project Report to start the School of Medical Science, under Cochin University of Science and Technology, 1995-1996.
- President, Kerala Chapter, Indian Society of Parenteral and Enteral Nutrition, 1996.

Member, Scientific Advisory Committee of the Institute for Cytology and Preventive Oncology, Indian Council of Medical Research, 1996 to 2002.

Member, Advisory Committee, Guruvayur Devaswam Hospital, 1996 and 1997.

Member, Research Committee of the Kasturba Medical College, 1996 to 1998.

Member, Editorial Board, "Biomedicine", 1996 onwards

Member, Editorial Board, Indian Journal of Clinical Biochemistry, 2000 to 2002

Member, Advisory Panel of Expert Members, National Academy of Medical Sciences, India, 2005

Member, Advisory Committee, National Institute of Occupational Health (Indian Council of Medical Research) 2007 onwards.

President, Indian Association of Clinical Biochemists of India (ACBI) 2010

Member, Scientific Advisory Committee, National Centre for Disease Informatics and Research, (Indian Council of Medical Research) Bangalore, 2011 onwards.

Member, Education and Laboratory Management Committee, **Asia Pacific Federation of Clinical Biochemistry**, (APFCB), 2013 onwards.

MEMBER OF UNIVERSITY ACADEMIC BODIES:

Member, Board of Studies in Biochemistry, M G University, (1988-1992).

Member, Board of Studies, Faculty of Medicine (UG), Calicut University (1992 to 1998)

Member, Board of Studies, Biotechnology, M G University (1995 - 2000)

Member, Academic Council of Biotechnology, M.G. University (1996 to 2000)

Member, Faculty of Science, M.G. University, Kottayam, Kerala, (1996 onwards)

Member, Board of Studies in Biotechnology, Cochin University of Science and Technology, Cochin (1996 onwards)

Member, Board of Studies, Biochemistry, University of Calicut,(1997 onwards)

Member, Academic Senate of Manipal Academy of Higher Education, (Deemed University), 1997 to 2000.

Member, Board of Studies in Paramedical studies, University of Calicut, (1998 to 2000)

Member, Board of Studies in Postgraduate Basic Medical Sciences, Sri Ramachandra Medical College and Research Institute (Deemed University), 1999 to 2002.

Member, Board of Studies, Faculty of Medicine (PG). Calicut University (2002 onwards)

Member, Academic Council, Amrita Vishwa Vidyapeetham (Deemed University), 2002 -2008

GUIDED THE FOLLOWING STUDENTS FOR Ph D THESIS WORK:

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", Univ. of Kerala, August, 1988. .

4.H. 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*", Univ Calicut, March 1999.
- 15.Mrs. Minnie Pillay: "Expression of P53 Tumour Suppressor Gene in Oral Cancers": Manipal Academy of Higher Education, March 2002
- 16.Mrs. Geetha Samak: "Antioxidant, Immunomodulatory effects and Antiatherogenic Properties of *Ocimum* Extract": Manipal Academy of Higher Education, December 2002.
- 17.Mrs. 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, 2003.
- 19.Mr. 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 Mr. 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", Univ. Calicut, June 2006.
- 23.Mr. Kalathil Suresh, "Role of Interleukin-2 on regulation of antitumor Immune Responses in Gastric Carcinoma Patients", University of Calicut, July 2006.
- 24.Mr. Subir Kumar Das: Studies on Oxidative Stress and other Biochemical Parameters in Alcoholism: Amrita Vishwa Vidyapeetham, January 2007.
25. Mr. Asim Saha: A study of determinants in the causation of occupational accidents: Amrita Vishwa Vidyapeetham, November 2007
- 26.Mr. Sukhesh Mukherjee : Ethanol induced oxidative stress in brain; role of free radicals and antioxidants: Amrita Vishwa Vidyapeetham, December 2009
27. Ms. Sabitha P : Effect of coconut oil/sunflower oil on coronary artery disease and oxidative stress. Amrita Vishwa Vidyapeetham, July 2010
28. Ms. Alka Anilkumar: Chromosome 22q11 microdeletion in patients with selected congenital heart disease (conotruncal malformations); study of prevalence, phenotype, genotype and mode of inheritance. Amrita University, March 2014.

GRANTS ADMINISTERED

- 1.Evaluation of Immunity in Patients having Oral Carcinoma: University Grants Commission Grant No. 1072, Rs. 3,000/- for 1976 and 1977.
- 2.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. Rs. 60,000/-, for 3 years, 1978-1980.
- 3.Detection, Isolation and Purification of Tumour Associated Antigen in Oral Cancer Patients: Dept. of Atomic Energy, No. BRNS/4/7/79-G. Rs. 75,000/- for 3 years, 1979-81.
- 4.Search for an Oncogenic Virus Associated with Oral Carcinoma, a pilot study: ICMR No. 5/13/3/79-CAR-I. ID No.79-00420 Rs. 1,05,000/- for 3 years,9/79 to 8/82.
- 5.Isolation of Tissue Specific Plant Lectins, ICMR No. 5/3-1(4)80-BMS

- (ID.No. 80-02580) Rs. 60,000/- for 3 years; 1.8.80 to 31.7.83.
- 6.Purification of Tumour Associated Antigen from Oral Cancer Tissues: ICMR No.5/13/6/8/CAR-I (IDNo.80-01560) Rs. 60,000/- for 3 years; 1981 to 1983.
 - 7.A Study on the Causes of Impairment of Immune Response in Oral Cancer (Fellowship of Mr. V.K.Sasidharan). Guide Dr. D.M.Vasudevan. ICMR-ID.No.80-02720. Rs.60,000/-. From 14.3.81 to 16.9.82.
 - 8.Effect of Levamisol as an Immunotherapeutic Agent in Oral Cancer Cases: ICMR No. 5/3/13/8/80-CAR-I. Rs. 60,000/- for 3 years during 1981 to 1983.
 - 9.A Study on the Association of Herpes Simplex Virus with Oral Cancers: (Fellowship of Mrs.T.V.Kumari). Guide: D.M.Vasudevan. ICMR-ID.No.82-04660. Rs.60,000/-. From 1.10.1982 to 4.9.1984.
 - 10.Search for an Oncogenic Virus Associated with Oral Carcinoma: Dept. of Science and Technology, Govt. of India. No.HCS/DST/1225/81 for Rs. 12,00,000/- for 3 years; 1983 to 1986.
 - 11.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; for Rs. 75,000; from 1.1.84 to 31.12.86.
 - 12.Detection of Immune Complexes in circulation of Cervical Cancer Patients: Committee for Science Technology and Environment, Govt. of Kerala, Rs. 10,000/- for 1 year, 1984.
 - 13.Protection against side effects of Anticancer Drugs by SH compounds: CSIR. No. 9(187)/84-EMR-II. Rs.75,000/- for 3 years, 1984-87.
 - 14.Potential of anticancer activity of Tiazofurin (NSC.28693) and its NAD-analogue by liposomal encapsulation (Fellowship of K. Nirmala) Guide: D.M. Vasudevan. ICMR.ID.No.85.01390. 45/56/85/BMS. Rs. 80,000/-, 1.10.85 to 30.9.88.
 - 15.Isolation and Purification of Antigen and Production of Specific Antibodies against AFP: Dept. of Atomic Energy No.35/3/85-G: Rs. 7,00,000/- for 3 years, 1986-89.
 - 16.Partial purification and characterisation of Tumour Associated Antigen in Oral Cancer: (Fellowship of Mr. P.N. Raghunath) Guide: D.M.Vasudevan. Rs.80,000/- ICMR ID.No.87-00 90;.3/1/2/6/87-NCD-III. for 3 years, 1986-89.
 - 17.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: Rs. 6,00,000/- for 3 years 1.4.89 to 31.3.92.
 - 18.Indigenous production of RIA/ELISA kits for AFP Tumour Marker Department of Biotechnology, No. DBT/02/003/88/R & D for Rs. 9,50,000 for 3 years 1989-92.
 - 19.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 for Rs. 4,00,000/- for 3 years 1991-93
 - 20.Studies on the Diagnostic and Therapeutic applications of Alpha Feto Protein: Govt of Kerala, Dept of Science and Technology, GO Rt. 180/91/STED. Rs. 50,000/- for 2 years 1991-93.
 - 21.Generation of in vitro Cytotoxic T Lymphocytes in an Experimental Tumor Model: Department of Science Technology and Environment, Govt. of Kerala, GO.MS. 28/92/STED, dated 16.3.92. Rs. 50,000/- for 1991 and 1992.
 - 22.Isolation and characterisation of Tumour Associated Antigens from Tissues and from Circulating Immune Complexes of Cancer patients: Research Associate, K.R. Shanavas. Guide: D.M.Vasudevan: Indian Council of Medical Research. No. 3/1/2/9 (8901540)/89 NCD-III. Rs.1,50,000/- for 1991 to 1993.
 - 23.Isolation and characterisation of Tumour Associated Antigens and their Significance in Host Immune Responses in Animal Models: Junior Research Fellow: K.K. Elyas. Guide: D.M.Vasudevan. Council of Scientific and Industrial Research: 8/354(2)/92 EMR-I. Rs. 90,000/- for 1992 to 1994.
 - 24.Generation of high grade Tumour Specific CTL against a Murine T Cell Lymphoma: Research Associate, K. Suresh. Guide: D.M.Vasudevan.

- No. 3/1/2/17/ 8903430/89-NCD-III. ICMR, . Rs.1,05,000/- for 1992 to 1994.
25. Study of chromosomal aberrations in Acute Leukemia in children: Senior Research Fellow: T.G. Sreejith. Guide: D.M. Vasudevan; Council of Scientific and Industrial Research: 8/354(1)/90-EMR-I. Rs.1,20,000/- for 1991 to 1993.
26. Isolation of Plant Lectins: Junior Research Fellow: C. Beena; Guide: D.M. Vasudevan: CSIR Grant No. 8/3354(3)/92-EMR-I. Rs. 90,000/- for 3 years 1992 to 1994.
27. Characterisation of Lectins: SRF, K.K. Jayavardhanan. Guide: D.M. Vasudevan: CSIR grant No.8/354(4)/91-EMR-I. Rs. 80,000/- for 1993 and 1994.
28. Prevalence of Virus infections in Kerala and their Etiological Significance in Cancers: Department of Science Technology and Environment, Govt. of Kerala: GO.M.S.III/92/STED dated 1.10.92. Rs. 3,60,000/- for 1993 to 1995.
29. Apoptosis during immune response: Senior Research Fellow: Winston Costa Pereira: Guide: D.M. Vasudevan: ICMR grant IRIS No.9902760; ICMR No.45/2/2000-EMS, dated 9-11-2000, November 2000 to October 2002.
30. Angiogenesis and Alcoholism: Kerala Science and Technology Grant from 2007 to 2009.

AUTHOR OR EDITOR OF THE FOLLOWING BOOKS:

1. A short text book of Biochemistry: D.M. Vasudevan: Published by State Language Institute, Trivandrum, 1994.
2. Textbook for Medical Laboratory Technician Course: T. Vijayakumar, D.M. Vasudevan; and P.S. Vasudevan: Published by Rachitha Publications, Trissur, 1994.
3. **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, 2005; Fifth edition, 2007; 6th edition, 2010; Sixth Spanish edition, 2011; 7th edition, 2013.
4. **Text book of Biochemistry for Dental Students:** D.M. Vasudevan and Sreekumari S: Published by Jaypee Brothers, New Delhi, First Edition, 2006; 2nd edition, 2012
5. Practical Textbook for MBBS Students: D.M. Vasudevan and Subir Kumar Das, Published by Jaypee Brothers, New Delhi, First Edition, 2006; 2nd edition, 2013.
6. JP's Gold Standard Mini Atlas Series, Biochemistry: D.M. Vasudevan and Sreekumari S: Published by Jaypee Brothers, New Delhi, First Edition, 2007.
7. Clinical Chemistry Made Easy: DM Vasudevan, Sreekumari S, Kannan Vaidyanathan, Geetha Damodaran Published by Jaypee Brothers, 2010

CONTRIBUTED CHAPTER IN BOOKS

1. 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; 3rd edition, 1996.
2. Proceedings of Indo-US workshop on Viruses and Human Cancer, Ed: D.M. Vasudevan, published by Amala Cancer Centre, Trichur, 1987.
3. Two chapters (Normal and abnormal constituents of urine; Kidney function tests) in Essentials of Practical Biochemistry: L.M. Srivastava; published by CBS Publishers and Distributors, New Delhi, 2002.

4. 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 Damage, Bridging Between Basic Research and Clinics; Ed Alina Gonzalez-Quevedo; InTech; 57-78; 2012

PAPERS PUBLISHED IN NATIONAL AND INTERNATIONAL JOURNALS

Papers published during 1969-1979

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 cytotoxicity 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 cytotoxicity 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 cytotoxic 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.

14.Mechanisms of Tumour escape from immunological surveillance: D.M.Vasudevan and T.Vijayakumar: Kerala Med. J: 18, 178-184, 1978.

15.Urolithiasis in North Kerala; Epidemiological study with special reference to Calcium Metabolism: Roy Chally, T. Vijayakumar, D.M.Vasudevan and A.K.Ulahannan: Indian J. Surgery, 41, 21-27, 1979.

16.Serum Lipid abnormalities in Nephrotic Syndrome; V.K.Sasidharan, M.S.P.Nair, D.M.Vasudevan and T.Vijayakumar: Indian Medical Gazette, 113, 167-168, 1979.

Papers published during 1980

17.Thiamine Deficiency in Polyneuropathy: T.Vijayakumar, M.Balakrishnan, D.M.Vasudevan and A.K.Ulahannan: The Clinician: 44, 22-30, 1980.

18.Effect of Ascorbic Acid administration on Glucose Tolerance and Serum Cholesterol in Normal and in Diabetic Patients: T.Vijayakumar and D.M.Vasudevan: Indian Medical Gazette, 114, 96-100, 1980.

19.Chemical Analysis of One Hundred and Twenty Urinary Calculi: Roy Chally, T.Vijayakumar, D.M.Vasudevan and A.K.Ulahannan: Indian Medical Gazette, 114, 161-165, 1980.

20.Liver in Leprosy-1, Functional changes: K.Robbins, T.Vijayakumar, T.Gopinath and D.M.Vasudevan: Leprosy India, 52 (3), 416-422, 1980 July. Pubmed No. PMID 7206638

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1. Is elevated oxidative stress, the principal contributory factor for future cardiac events among coronary artery disease patients on statin therapy?

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Indian Heart Journal, sent in Sept 2014

2. Estimation of small, dense LDL particles using equations derived from routine lipid parameters as surrogate markers

Sabitha Palazhy; Prakash Kamath; Vasudevan M Damodaran

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3. Protective role of extracts of grape skin and grape flesh on ethanol induced oxidative stress, inflammation and histological alterations in Rat Brain.

Mukherjee, Sukhes; Das, Subir; Vasudevan, Damodaran

Archives Of Physiology And Biochemistry. Submitted, 09-Sep-2014

4. Hormonal therapy for carcinoma prostate reduces the level of prostate specific antigen:

Ashika MS, Jagathlal PC and DM Vasudevan:

sent to Indian Journal of Clinical Biochemistry, June 2013

Moreover about 200 papers were presented in different national and international conferences.

Further about 200 guest lectures / key note addresses were given at various occasions.