



## RESUME

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Assistant Professor of Chemistry

AVC College (Autonomous)

Mannampandal, Mayiladuthurai-609 305

### **PERSONAL DETAILS**

Father's Name : Mr. V. Bala Chandra Vinayagam  
Date of Birth & Age : 15<sup>th</sup> January 1978 & 41 Years  
Sex : Male  
Community : BC (Thuluva vellala)  
Nationality & Religion : Indian & Hindu  
Address for communication : Main Road  
Sithalingamadam & Post  
Tirukovilur-Taluk, Villupuram District-605803

### **ACADEMIC QUALIFICATIONS**

Course	College/University	Year of passing	Subject	Grade/ Percentage
Ph.D	Bharathidasan University	Oct -2015	Chemistry	
M.Phil	Govt College (Men), Kumbakonam / Bharathidasan University	Dec-2002	Chemistry	First/ 78.40
PG	A.V.C .College (Autonomous) Mayiladuthurai/ Bharathidasan University,	Apr-2001	Chemistry	First/ 72.32
B.Ed.	OPR Memorial College of Education, Vadalur / Thiruvalluvar University	Nov- 2006	Chemistry	Second/61.00
UG	A.V.C .College(Autonomous) Mayiladuthurai /Bharathidasan University,	Jun-1999	Chemistry	First/ 64.19
HSC	Ramasamy chettiar Town Higher Secondary School, Chidambaram	Mar-1995	Tamil Nadu State Board	First/63.67
S.S.L.C	Sri Vivekananda Vidyalaya High school, Tirupparaithurai, Tiruchirapalli.	Jun-1993	Tamil Nadu State Board	First/ 80.80

## PROFESSIONAL EXPERIENCE

### a) Teaching Experience: 12 years

S.No	Name of the Institution	From	To	Subject taught
1	Guest Lecturer, Government Arts & Science College, Thiruvannamalai.	Sep- 2002	Dec-2005	Organic Chemistry Pharmaceutical Chemistry Organic Spectroscopy
2	Assistant Professor, A.V.C College(Autonomous), Mannampandal	Management August-2007 Regular 16 <sup>Th</sup> June2016	15 <sup>Th</sup> June 2016 Till Date	Organic Chemistry Inorganic Chemistry Pharmaceutical Chemistry Organic Spectroscopy

### b) Research Experience

#### Ph.D. Research : 5 years

Title of the thesis : Synthesis, spectral characterization and biological studies of some Spiro heterocyclic compounds

#### M.Phil. Research : 1 year

Title of the thesis : Bio-Chemical principles of the poly phenolics of some medicinal plants

#### Research Project: : 1 ½ Year

Co-Investigator - UGC Minor Research Project (Completed)

Title : Synthesis, spectral studies and antimicrobial activities of spiro derivatives.

Amount sanctioned : Rs 1,17,000.

c) Research Publications	Total
Articles in journals (refereed)	8
Articles in conference proceedings	1
Abstracts/ participation in seminars	7
Courses/Workshops attended	9

### d) Google Scholar citation index for research contributions: 29

### e) Research Area

Synthetic Organic Chemistry and Environmental Chemistry

## **TECHNICAL EXPERTISE**

### **Instrumentation**

- UV-vis Spectroscopy
- Proficient in Chromatographic techniques

### **Computer**

- Acquired sufficient skills about operating platforms like Windows and application software like word processors, spread sheets, software in chemistry research (drawing, diagnosis).

## **POSITIONS HELD AND LANGUAGES KNOWN**

- Tutor, AVC College Men's Hostel
- Member, Sports Committee, Since July 2008
- Member, Editorial board, PEKAK Magazine - during 2014-15 & 2018-19
- Coordinator Earn While Learn Scheme – From 2017
- Fluent in both English and Tamil

## **EXTRA ACADEMIC SERVICES**

- Organizing committee member, "*Interaction meeting with Under-Graduate and Post-Graduate students of Chemistry (CRSI-IYC 2011)*" sponsored by the Chemical Research Society of India, Bangalore, with the PG and Research Department of Chemistry, AVC College (Autonomous) on 15th October, 2011 to commemorate "International Year of Chemistry – 2011".
- Organizing committee member, "*National Seminar on Recent Trends in Chemistry (NSRTC-2011)*", sponsored by the University Grants Commission, New Delhi, organized by the PG and Research Department of Chemistry, AVC College (Autonomous), during February 25 & 26, 2011.
- Served as Member, AVC College (Autonomous) Discipline committee
- Member, Board of Studies in Chemistry, AVC College (autonomous). Actively engaged in designing the curriculum and syllabi for UG and PG course in chemistry
- Organising committee member in a two day National Seminar on Emerging Trends in Chemistry (February 23 & 24, 2007), organised by the Department of Chemistry, AVC College (Autonomous), Mannampandal, Mayiladuthurai-5

## Research articles published

1. R.Arumugam, E.Jeniva, J.Gayathri, **B.Elanchezhian**, T.M.Sathees Kannan and P.Anantharaman “Antifungal activity of purified phenolic fractions of *Halodule pinifolia* with potential to control plant pathogen” *Seaweed Res. Utilin.*, 2017, 39 (2), 56-59.
2. **Selvanathan Ganesan\***, **Elanchezhian Balachandravinayagam** and **Manivannan Natarajan**” “Synthesis, spectral characterization and antifungal activities of 2,6-dimethyl- 7,9-diphenyl-1,4-dioxo-8-azaspiro[4.5]decane”, *J. Sci. Trans. Environ. Technov.* 2014, 8(1): 9-13. (ISSN: 0973-9157)
3. **Elanchezhian Balachandravinayagam**, Manivannan Natarajan and Selvanathan Ganesan “*Synthesis, spectral characterization and antioxidant activities of 2', 6'-diphenyl-1, 3-dihydrospiro [benzo[d] imidazole-2,4'-piperidine]*”, *International Journal of Chemistry and Pharmaceutical Sciences*, 2014, 2(8):878-884. (ISSN: 2321-3132)
4. **Elanchezhian Balachandravinayagam**, Manivannan Natarajan and Selvanathan Ganesan “*Synthesis, spectral characterization and antioxidant activities of 3'-methyl-2',6'-diphenyl-1,3-dihydro spiro [benzo[d]imidazole-2,4'-piperidine]*”*International Journal of Pharmaceutical, Chemical and Biological Sciences*, 2014, 4(3): 620-627 (ISSN: 2321-3132)
5. Manivannan Natarajan, **Elanchezhian Balachandravinayagam**, Meenakshi Selvaraju and Selvanathan Ganesan. “*Synthesis, Spectral Studies and in vitro antibacterial Evaluation of triaza and dioxaza Spiro derivatives*”. *Asian Journal of Chemistry*, 2013.,25 (1):277-281. (ISSN: 0975-427X)
6. N.Manivannan, **B.Elanchezhian**, G.Selvanathan and K.Pandiarajan “*Synthesis, spectral analysis and biological studies on 6-methyl-7,9-diphenyl-1, 4, 8-triazaspiro [4.5]decane*”. *International journal of current research and review*,2011, 03 (04): 53-68. (ISSN: 0975-5241)
7. S.Ramalingam, S.Periandy, **B.Elanchezhian**, S.Mohan. FT-IR and FT-Raman spectra and Vibrational investigation of 4-chloro-2-fluoro toluene using ab initio HF and DFT (B3LYP / B3PW91) calculation., *SpectrochimicaActa Part A: Molecular and Biomolecular Spectroscopy*, 2011,78: 429-436. (ISSN: 1386-1425)
8. N.Manivannan,V.Stalin Elanchezhian, G.Selvanathan and **B.Elanchezhian**. “*Synthesis, Spectral studies and conformation of 7,9-diphenyl-1,4,8-triazaspiro[4.5] decane*”. *Journal of Ultra chemistry*, 2010, 6(3):339-350. (ISSN: 0973-3450)

## Participation in Seminar / Workshops

1. Attended workshop on “**NATIONAL WORKSHOP ON FORMULATION & EVALUATION OF HERBAL DRUGS**” organised by UGC and Department of Botany AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKASI on March 7<sup>th</sup> & 8<sup>th</sup>-2019.
2. N.Manivannan, B.Elanchezian, G.Selvanathan and Sugunakala **7,9bis (4-chloro phenyl) 6-methyl-1,4-dioxo-8-azaspiro[4,5]decane docking with thrombin inhibitor (3DA9) act as anticoagulant**. DST-FIST sponsored National seminar on “*Frontier areas in chemical technologies*” on 6<sup>th</sup> to 7<sup>th</sup> March 2015, organized by Alagappa University, Karaikudi.
3. Participated in the UGC aided workshop on “Microscale Experiments in Chemistry”, Organised by the PG & Research Department of Chemistry, AVC College (Autonomous), from Mannampandal on 07<sup>th</sup> October, 2014.
4. Participated in the International Conference and workshop on “**Advances in Biomolecular Sciences & Analytical NMR**” organized by Srimad Andavan Arts and Science College (Autonomous), Tiruchirapalli on 25<sup>th</sup> to 27<sup>th</sup> August 2014.
5. N.Manivannan, B.Elanchezian, G.Selvanathan and K.Amirthaganesan, “**Syntheis, spectral studies and antibacterial evaluation of spiro derivatives**”, UGC sponsored National Seminar on Emerging Trends in Chemistry, organized by Department of Chemistry, AVC College (Autonomous), Mannampandal, during March 13 & 14, 2014
6. Attended workshop on “**E-Content development**” organized by IQAC of A.V.C. College (Autonomous), at A.V.C. College (Autonomous), Mannampandal 19<sup>th</sup> to 22<sup>nd</sup> Sep 2012.
7. Attended workshop on “**Question Bank for Part-A questions**” organized by IQAC & COE of A.V.C. College (Autonomous), at A.V.C. College, Mannampandal from 26<sup>th</sup> & 27<sup>th</sup> Dec 2011.
8. Participated in the “Advanced Training in Spectrophotometric methods of analysis” Organised by Govt of India, Ministry of Labour and Employment & Training, Advanced Training Institute, Chennai from 23<sup>rd</sup> to 27<sup>th</sup> May 2011.
9. K.Amirthaganesan and B.Elanchezian, “**Synthesis, spectral studies and antimicrobial activities of (Z)-2-(2-(4-methoxyphenyl)-3-methyl-6-phenylpiperidin-4-ylidene)**” in the national seminar on “Recent Trends in Chemistry “ sponsored by UGC New Delhi, organized by Department of Chemistry, A.V.C College (Autonomous), Mayiladuthurai during 25<sup>th</sup> & 26<sup>th</sup> Feb 2011.

10. Attended a workshop on "*Effective Teaching methods*" organized by IQAC at A.V.C College (Autonomous), Mannampandal from 6<sup>th</sup> to 11<sup>th</sup> Oct-2010.
11. J.Sivamani, R.Sathishkumar, N.Manivannan and B.Elanchezhian "*Synthesis,spectral studies and biological activities of 2,2-piphenyl-2,3-dihydro-1H-benzimidazole and 1,3-dihydro-2H-benzimidazole-2,2-diamine*" in the national seminar on "Recent advances in Chemistry" organized by UGC New Delhi and Department of chemistry, AVC College (Autonomous) , Mayiladuthurai on Feb 27 & 28 -2009.
12. M.Karthik Anand, B.Geetha Basakar, N.Manivannan and B.Elanchezhian, "*Syntheis spectral studies and analysis of maleic anhydride derivatives of isopropyl ester of tryptophan*"in the national seminar on "Recent advances in Chemistry" organized by UGC New Delhi and Department of chemistry, AVC College (Autonomous) , Mayiladuthurai on Feb 27 & 28 -2009
13. Attended workshop on "*Synthetic and structural chemistry*" Organized by DST-FIST & UGC-SAP New Delhi and Department of chemistry Annamalai University at Chidambaram on Mar 21<sup>st</sup>& 22<sup>nd</sup>-2009.
14. Attended a workshop on "*Office Automation tools*" at A.V.C College (Autonomous) on 1<sup>st</sup> & 2<sup>nd</sup> March-2008 UGC New Delhi.
15. Participated in the National seminar on "*Theoretical and chemical science*" organized by DST-FIST & UGC-SAP New Delhi and Department of chemistry, Annamalai university, Chidambaram on Mar 22<sup>nd</sup> & 23<sup>rd</sup> Feb-2008.
16. B.Elanchezhian and D.Sugumar, "*Phytochemical and pharmacological studies of Bombaxcebia*"National seminar on Bio-Active Poly phenols. organized by Anjalaiammal Mahalingam Engineering College, Kovilvenni, Thiruvarur.. AICTE New Delhi, Sponsored by 10<sup>th</sup>& 11<sup>th</sup> Mar-2003