

**APPLICATION FOR THE POST OF ASSOCIATE PROFESSOR / PROFESSOR - CHEMISTRY**

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**ACADEMIC EXPERIENCE: (TEACHING & RESEARCH)**

SL NO.	INSTITUTION	DESIGNATION	DURATION	DEPARTMENT	TOTAL YEARS
1	Sri Krishna College of Engg & Technology (Autonomous), Coimbatore. <b>NIRF Ranking: 78</b>	Associate Professor	June 2018 To till date	Chemistry	Till Date <b>(4 Years)</b>
2.	Sri Venkateshwara College of Engineering & Technology, Pondicherry.	Associate Professor	June 2016 to May 2018	Chemistry	<b>2 Years</b>
3.	Vel Tech University, Avadi, Chennai	Associate Professor	May 2013 to May 2016	Chemistry	<b>3 Years</b>
4.	Theivanai Ammal College for Women (Autonomous), Villupuram.	Head of Department/ Assistant Professor	Apr 2011 to Apr 2013	Chemistry	<b>2 Years</b>

**EDUCATIONAL QUALIFICATION**

SL NO.	INSTITUTION	DEGREE	DURATION	DEPARTMENT	TOTAL YEARS
1.	National University of Singapore <b>QS RANKING 11</b>	PhD (Full Time)	Jan 2005 to Jan 2011	Chemistry <b>4/5</b>	<b>6 Years</b>
2.	National University of Singapore <b>QS RANKING 11</b>	MS (By Research) (Full Time)	Jan 2002 to Nov 2004	Chemistry <b>4.5/5</b>	<b>2.5 Years</b>
3.	Alagappa University	M.Sc	June 1997 To June 1999	Chemistry <b>72.2%</b>	<b>2 Years</b>
4.	Pondicherry University	B.Sc	June 1994 to June 1997	Chemistry <b>66.78%</b>	<b>3 Years</b>
5.	Higher Secondary Course	HSC	June 1992 To June 1994	MPC & Bio <b>70%</b>	<b>2 Years</b>
4.	SSLC Course	SSLC	June 1991 to June 1997	General <b>71.80 %</b>	<b>1 Year</b>

**RESEARCH EXPERIENCE**

: ELECTROCHEMICAL SCIENCE (BATTERIES)

**(Oct. 1999 – Oct. 2001)**

DESIGNATION : Research Project Fellow (2 Years)

INSTITUTION : Central Electrochemical Research Institute (CECRI)

DURATION : Oct.1999 – Oct. 2001

PERSONAL DETAILS :	<b>Summary</b>
MARITAL STATUS : Married	Total Teaching experience ----- 11 years
AGE : 44	Total Research experience ----- 02 years
DOB : 23/11/1975	<b>Total experience ----- 13 Years</b>

**RESEARCH PUBLICATIONS (ONLY SCI & SCOPUS)**

1. Enyi ye, **Krishnan Chandrasekaran**, Ryan, PA Bettens. Millimeter wave measurement and assignment of the rotational spectrum of aniline. **Journal of Molecular spectroscopy**; 229, 45-56, **2005**.
2. Mohankumar K, Munirahsekhar D, Bhattacharya S **Chandrasekaran K**. Copper (I) assisted Catalytic synthesis of substituted allenes and their biological studies. **International Journal of research in Pharmaceutical sciences**, 5(1), 69-72, **2014**.
3. **Krishnan Chandrasekaran**. Investigation of amine inversion dynamics in ortho and meta substituted anilines by G3XMP2 theory. **Der Pharma. Chemica**. 6(4), 362-366, **2014. (Single Author)**
4. **Chandrasekaran K** and Munirajasekhar D. G3XMP2 Investigation of amine inversion in aniline and its para Anilines. **Asian Journal of Pharmaceutical and Clinical Research**, 7(5), 78-81, **2014. (Single Author)**
5. **Krishnan Chandrasekaran** G3XMP2 Inversion studies of Heteroaromatic amines, N-Aniline and N, N-Aniline derivatives. **International Journal of Pharmacy and Pharmaceutical Sciences**, 7(3), 330-33, **2015. (Single Author)**
6. **Krishnan Chandrasekaran**. *Ab initio* and DFT investigation of C4 & C7 position of sialidase antiviral inhibitor. **Journal of chemical and pharmaceutical research** 7(4) 425-30, **2015. (Single Author)**
7. **Krishnan Chandrasekaran**. Quantum Chemical Investigation of C12 and C6 Position of Oseltamivir Sialidase Antiviral Inhibitor. **Journal of Applied Pharmaceutical Sciences** 5(9), 120-123, **2015**.
8. Packiaraj S, Jeyaraj M, **Chandrasekaran, K** and Govindarajan S. Simple and facile synthesis of pure nanocrystalline spinel cobaltite by thermal decomposition of solid solution precursors. **Journal of Material Science Electronics**, 30(20); 18866–18877, **2019**.
9. **Krishnan Chandrasekaran**. Investigation of Solvation dynamics and hydration pattern of Sialic acid by Ab initio and DFT method. **International Journal of Pharmaceutical Science and Research**, 11(5); 2482-2488, **2020**.
10. **Krishnan Chandrasekaran** Ab Initio and DFT Investigation of Effect of Substituent at the C7 Position of 4-Amino-DANA Sialidase Inhibitor. **International Journal of Life Science and Pharma Research**. 12 (3), 29-34, **2022**.

1. NPTEL FDP COURSE: Metals in Biology (Elite) Apr 2020 2. BioChemistry 12 Week FDP

3. NPTEL 12 WEEK FDP COURSE: Biological Chemistry (Oct 2021) – Elite Grade

NITTR FDP COURSE: 1. Quantum &amp; Energy Storage materials &amp; 2. Nano Material &amp; Devices