

BIO-DATA



1.	Name	Dr. SUMA JEBIN				
2.	Designation	Assistant Professor				
3.	Address	Dept. of Basic Sciences and Humanities, Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra, India -400703 Contact: 022-27771000 Email: suma.jebin@fcrit.ac.in				
4.	Date of Birth					
5.	Total Experience	19 Years 9 Months				
i.	Teaching	19 Years 9 Months				
ii.	Industrial	-				
6.	Qualifications	M.Sc, M.Phil, B.Ed, Ph.D				
		Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI
		Ph.D	April 2019	SSSUTMS, Sehore[MP]	Radioisotope Technology	-
		B.Ed	April 2001	University of Madras, Chennai, Tamil Nadu	Physical Science	1 st Class
		M.Phil.	April 2000	Scott Christian College, Nagercoil, Tamil Nadu	Physics	1 st Class
		M.Sc.	April 1999	Nesamony Memorial Christian College, Marthandam, Tamil Nadu	Physics	1 st Class (9 th Rank in University level)
		B.Sc.	April 1997	Annai Velankanni College, Tholayavattam, Tamil Nadu	Physics	1 st Class
		H.S.C	April 1994	State Board, Tamil Nadu	-	1 st Class
		S.S.L.C	April 1992	State Board, Tamil Nadu	-	1 st Class
	Additional Qualification: Certificate Course on 'Office Automation and Data ntry' (January 1999 to April 1999)					

7.	<p>Employment Record</p> <table border="1" data-bbox="300 159 1391 857"> <thead> <tr> <th data-bbox="300 159 667 226">Institution</th> <th data-bbox="667 159 1046 226">Year (From To)</th> <th data-bbox="1046 159 1391 226">Designation</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 226 667 309">FCRIT, Vashi, Navi Mumbai</td> <td data-bbox="667 226 1046 309">May 2008 to till date</td> <td data-bbox="1046 226 1391 309">Assistant professor</td> </tr> <tr> <td data-bbox="300 309 667 416">Father Agnel Polytechnic, Vashi, Navi Mumbai.</td> <td data-bbox="667 309 1046 416">July 2007 to April 2008</td> <td data-bbox="1046 309 1391 416">Lecturer</td> </tr> <tr> <td data-bbox="300 416 667 551">Sandesh College of Arts, Sciences and Commerce, Vikhroli, Mumbai.</td> <td data-bbox="667 416 1046 551">Academic Year 2006-2007</td> <td data-bbox="1046 416 1391 551">Lecturer</td> </tr> <tr> <td data-bbox="300 551 667 651">St. Mary's Jr. College, Vashi, Navi Mumbai</td> <td data-bbox="667 551 1046 651">June 2005 to June 2006</td> <td data-bbox="1046 551 1391 651">PG Assistant</td> </tr> <tr> <td data-bbox="300 651 667 752">St. Joseph's Hr. Sec. School, Chennai, Tamil Nadu</td> <td data-bbox="667 651 1046 752">Feb 2003 to Aug 2003</td> <td data-bbox="1046 651 1391 752">PG Assistant</td> </tr> <tr> <td data-bbox="300 752 667 857">Sacred Heart Hr. Sec. School, K.K. Dist, Tamil Nadu</td> <td data-bbox="667 752 1046 857">July 2001 to Dec 2002</td> <td data-bbox="1046 752 1391 857">PG Assistant</td> </tr> </tbody> </table>	Institution	Year (From To)	Designation	FCRIT, Vashi, Navi Mumbai	May 2008 to till date	Assistant professor	Father Agnel Polytechnic, Vashi, Navi Mumbai.	July 2007 to April 2008	Lecturer	Sandesh College of Arts, Sciences and Commerce, Vikhroli, Mumbai.	Academic Year 2006-2007	Lecturer	St. Mary's Jr. College, Vashi, Navi Mumbai	June 2005 to June 2006	PG Assistant	St. Joseph's Hr. Sec. School, Chennai, Tamil Nadu	Feb 2003 to Aug 2003	PG Assistant	Sacred Heart Hr. Sec. School, K.K. Dist, Tamil Nadu	July 2001 to Dec 2002	PG Assistant
Institution	Year (From To)	Designation																				
FCRIT, Vashi, Navi Mumbai	May 2008 to till date	Assistant professor																				
Father Agnel Polytechnic, Vashi, Navi Mumbai.	July 2007 to April 2008	Lecturer																				
Sandesh College of Arts, Sciences and Commerce, Vikhroli, Mumbai.	Academic Year 2006-2007	Lecturer																				
St. Mary's Jr. College, Vashi, Navi Mumbai	June 2005 to June 2006	PG Assistant																				
St. Joseph's Hr. Sec. School, Chennai, Tamil Nadu	Feb 2003 to Aug 2003	PG Assistant																				
Sacred Heart Hr. Sec. School, K.K. Dist, Tamil Nadu	July 2001 to Dec 2002	PG Assistant																				
8.	<p>Undergraduate / Postgraduate Teaching Experience and Subjects Taught</p> <p>Subjects Taught at UG level</p> <table border="1" data-bbox="300 999 1391 1249"> <thead> <tr> <th data-bbox="300 999 419 1081">Sr.No.</th> <th data-bbox="419 999 951 1081">Name of Subject</th> <th data-bbox="951 999 1391 1081">Semester</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 1081 419 1137">1</td> <td data-bbox="419 1081 951 1137">Applied Physics-I</td> <td data-bbox="951 1081 1391 1137">First year Engineering Semester I</td> </tr> <tr> <td data-bbox="300 1137 419 1193">2</td> <td data-bbox="419 1137 951 1193">Applied Physics-II</td> <td data-bbox="951 1137 1391 1193">First year Engineering Semester II</td> </tr> <tr> <td data-bbox="300 1193 419 1249">3</td> <td data-bbox="419 1193 951 1249">Physics</td> <td data-bbox="951 1193 1391 1249">B.Sc Semester I-VI</td> </tr> </tbody> </table>	Sr.No.	Name of Subject	Semester	1	Applied Physics-I	First year Engineering Semester I	2	Applied Physics-II	First year Engineering Semester II	3	Physics	B.Sc Semester I-VI									
Sr.No.	Name of Subject	Semester																				
1	Applied Physics-I	First year Engineering Semester I																				
2	Applied Physics-II	First year Engineering Semester II																				
3	Physics	B.Sc Semester I-VI																				
9.	<p>Research Experience:</p> <ul style="list-style-type: none"> • Working on “All inorganic lead-free halide perovskites as a photocatalyst”, since 2021. (Research and Development) • Working on “Synthesis, Characterisation and Application of Carbon Nanomaterials”, since 2009. (Research and Development) • Research for Ph.D on Radioisotope Techniques From 2014 To 2019. 																					
10.	<p>Professional Societies Fellowship / Membership:</p> <ul style="list-style-type: none"> • Indian Carbon Society – Life Time Membership • Indian Society for Technical Education (ISTE) - Life Time Membership • Indian Women Scientists Association (IWSA) - Life Time Membership 																					
11.	<p>Achievements / Awards / Position:</p> <p>Secured 9th Rank in Manonmaniam Sundaranar University in M.Sc. physics for the batch 1997-1999</p>																					
12.	<p>Short Term Training/FDP/ Conferences and Other Programmes attended:</p> <ol style="list-style-type: none"> 1) Attended International FDP on “Functional Materials and Devices: Energy, Environment and Sustainable Development ” Presidency University, School of Engineering, Bangalore.(10th to 14th July 2023) 2) Training Program on ‘Composite material’, ICAR-CIRCOT (7th Feb to 9th Feb 2023) 																					

- 3) Young Researchers' Meet on Carbon, BARC (30th Nov 2022)
- 4) One day FDP on 'Academic Integrity and Dealing with Plagiarism - A Practical Approach', Rajeev Gandhi College Of Management Studies (17th Sep. 2022)
- 5) Webinar on 'Light Pollution' KLE Society's Science and Commerce College.(2nd Dec 2021)
- 6) Webinar on 'Municipal solid waste management technology development to sustainability assessment' LTCE (18th Nov.2021)
- 7) Workshop on 'XRD instrumentation, Analysis interpretation of spectra and application, B.K. Birla college of Arts.Science and Commerce,Kalyan(28th Aug.2021)
- 8) Workshop on 'Examination reforms, AICTE (23rd Aug. to 25th Aug.2021)
- 9) National seminar on 'Writing a Research Grant proposal for external funding', Muthayammal college, Rasipuram (27th April 2021)
- 10) Preconference tutorial –Hands on training in management of literature survey and generating references',FCRIT, Vashi(14th Jan 2021)
- 11) Webinar on 'Iron deficiency Anaemia-a major cause of concern in young and adolescent girls',Cadila paramedicals.evanext(21st August 2020)
- 12) Workshop on 'Universal Human Values on the theme inculcating universal Human Values in technical education, AICTE (10th Aug. to 14th Aug 2020)
- 13) Webinar on 'Online teaching tips and tools, Bennet university, greater Noida (17th July 2020)
- 14) International Webinar on 'Frontiers in Nanotechnology and applications', St. Xavier's college, palayamkottai (15th July 2020)
- 15) Webinar on 'Learning Management system', FCRIT, Vashi (11th July 2020)
- 16) The Bodhitree and SAFE tools for effective online teaching , A Hands on workshop, The teaching learning centre(ICT), IIT Bombay.(18th June 2020 to 20th June 2020)
- 17) International conference Innovative challenges in multidisciplinary Research and Practices,Hindustan College of Arts and Sciences,Coimbatore.(15th June 2020 to 19th June 2020)
- 18) Webinar on 'Creating interactive e-learning content',Dept. of Computer Engineering, Universal college of Engineering, Kaman (1st June 2020)
- 19) Moodle Learning Management system,KJSI, spoken tutorial project, IIT Bombay.(26th may 2020 to 30th may 2020)
- 20) Workshop on "Creating and Editing Videos for Online Teaching" organized by FCRIT, Vashi (14th May 2020)
- 21) Attended a workshop on 'Lasers. Fibre Optics and Optical Communication. Fiber sensors' organised by IWSA in collaboration with National Academy of Sciences, India (Mumbai Chapter) (6 & 7th March 2020)
- 22) Completed a online FDP course on 'Nanotechnology in Agriculture' on SWAYAM (Aug- Oct 2019)
- 23) Completed a online course on 'Basic Electrical Circuits' on SWAYAM (30th Jul. to 21st Oct.2018)
- 24) Attended AICTE-ISTE sponsored one week Induction/Refresher program on 'Inclusion of Nanotechnology in Various Commercial Arenas',KJ somaiya Institute of Engineering and Information Technology,Sion,Mumbai.(2nd July to 7th July,2018)
- 25) Attended National Science Day -2018 celebration, BARC, Mumbai. (1st march 2018)
- 26) Attended QIP on "Modern Biophysics Techniques". IIT Bombay. (15th to 20th Dec 2016)
- 27) Attended the physics teachers orientation for the revised Applied physics syllabus discussion, Don Bosco Institute of Technology, Mumbai. (27th July,2016)
- 28) Attended 4th SBB lecture/workshop series on "Nano-To-Technology", DY Patil University, Navi Mumbai. (18th April 2015)
- 29) Attended FDP on "Nanomaterials Characterisation and Applications in Devices" COEP, Pune.(7th to 11th April 2014)
- 30) Presented paper titled "Impact on catalyst on synthesis of CNM from castor seeds by CVD" in 3rd international conference NANOCON014, Bharati Vidyapeeth University, Pune. (14th and 15th October 2014)
- 31) Attended the common content development for F.E Sem I and Sem II for association of Cathollic Christian Minority Institutes, Don Bosco Institute of Technology,

	<p>Mumbai.(21st June and 19th November 2013)</p> <p>32) Presented paper titled “Synthesis, Characterization and Applications of carbon nanomaterials”, Fr.CRCE, Bandra, Mumbai. (SANKALP,15th February 2013)</p> <p>33) Attended FDP on “Communication Skills”, FCRIT,Vashi,Navi Mumbai (3rd to 9th October,2013)</p> <p>34) Attended National conference on “Carbon Nanomaterials”, BARC, Mumbai. (1st to 3rd Nov 2012)</p>
13.	<p>List of Journal Papers Published:</p> <ol style="list-style-type: none"> 1) Swapna G, Suma J and Umesh M, “A Scope of using Carbon Nanobeads prepared from Castor seeds as Biosensors”, <i>International Journal of Scientific Research in Science and Technology</i> , Vol.3,Issue No.10, pp.33-38, November-December 2017. 2) Suma T,Yelgaonkar V.N and Gaurav Agrahari,”Investigation of the cause of liquid maldistribution in Vacuum Distillation Unit” <i>International Journal of Advanced Research in Science and Engineering</i>,Vol.5,Issue No.9,pp.335-344, September 2016. 3) Suma T et.al, “Detection of Interfaces and Voids in Pipelines using Gamma Scanning” <i>International organization of Scientific Research</i>,Vol.8,Issue No.4, Ver.1, pp.12-26, Jul-Aug.2016. 4) Swapna G, Suma J and Madhuri Sharon “Impact of catalyst on the synthesis of CNM from castor seeds by CVD Method,” <i>Advanced Science Letters</i>, vol. 22, No. 4, pp. 1003-1007, April 2016.
14.	<p>List of Papers Published in National and International Conferences:</p> <ol style="list-style-type: none"> 1) Suma Jebin, Swapna Gijare, Amrita Mandal Bera, “All Inorganic Lead-free Perovskites for Photocatalysis: Preparation and Absorption Study”, <i>IEEE xplore 2023 5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2023)</i>, Navi Mumbai, India, Jan 20-21,2023. 2) Swapna G, Suma J and Umesh M, “A Scope of using Carbon Nano beads prepared from Castor seeds as Biosensors”, <i>National Conference on Research and Development in Synthetic organic chemistry</i>, Agasti Arts, Commerce and Dadasaheb Rupwate Science College, Akole, Maharashtra, December 29-30 2017. 3) Suma T, Yelgaonkar V.N and Gaurav Agrahari, “Investigation of the cause of liquid maldistribution in Vacuum Distillation Unit”, <i>International conference on Recent Trends in Engineering and Science</i>, Shree Ramchandra College of Engineering, Pune, Conference proceedings Sr.no.25, Paper ID 1040, September 29-30, 2016.