

DETAILED FACULTY BIODATA FOR COLLEGE WEBSITE JUNE 2024 TO MAY 2025		
Sl. No.	Name	Dr Vijayalekshmi V
1	Designation	Assistant Professor
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8	Personal Web Page	
9	Date of Entry into Service	08/10/2012
10	Date of Retirement	31/3/2033
11	Edu. Qualifications	MSc, BEd, PhD
12	Areas of Interest/Specialisation	Polymer Science and Rubber Technology, Nanomaterials.
13	Courses/Subject Taught	BSc and MSc
14	Field of Research	Polymer nanomaterials, Rubber Technology
15	Guideship Details (Guideship order number and date, Research Centre, Number of PhD students & title of their research topic)	

	1. Affiliated University: 2. Subject: 3. Guideship Order Number & Date: 4. Research Centre: 5. Number of Full time PhD Research Scholars: 6. Number of Part time PhD Research Scholars: 7. Details of PhD Research Scholars (Full Name, Title of Topic, Year of Joining): 1. 2. 3. 4.
16	Google Scholar Profile Link/ORCID ID/Research Gate Profile Link (Give the links)
17	Patent Obtained/Applied (Give the details)
18	Teaching Experience (Permanent) (Give the details)
	1. 12 years 7 months
19	Teaching Experience (Contract) (Give the details)
	1.
20	Research Experience

	1. 16 years 7 months
21	Memberships in Learned Bodies/Societies, If Any
	1.Academy of chemistry teachers 2.Life Member of Asian Polymer Association (APA)
22	Scholarships/Fellowships Obtained
	1.
23	Research Papers Published (Mention UGC Care Listed/Peer-reviewed). Include Name of Authors, Year, Name of Journal, Volume, Page numbers, ISSN Number, DOC if any
	1. Vijayalekshmi V& Chithra P G, Studies on the effect of MMT clay in combination with Graphene oxide on the properties of Chitosan, Applied science and Advanced materials International July 2015, Vol 1(4-5), 133. ISSN-2394-3173. 2. Chithra P G & Vijayalekshmi V, Synthesis Characterization and Application of nano dimensional silver tungstate, international Journal of Advance Research in Science and Engineering, Vol.No.4,(2015)260-66. ISSN-2319-8354(E). 3. ChithraP.G, Vijayalekshmi.V , Green synthesis, characterization and cyclic voltametric studies of nano zinc oxide, Vol6, Issue-5, ISSN 2320-0294, 2017. (IF- 6.795) 4. UV-Visible, mechanical and antimicrobial studies of chitosan- MMT clay/ TiO₂ nano composites; Vijayalekshmi.V, Research Journal of Recent sciences; 4(2014). 5. Studies on maleated natural rubber/ organoclay nanocomposites, Vijayalekshmi V, George K.E, Pavithran C, Progress in Rubber Plastics and Recycling Technology, 2008. 6. Synthesis Characterization and Application of Sn(IV) Phosphorous Acid in the Nano form, Chithra P.G., Vijayalekshmi V., International J. of Engg. Res. and Management, Vol. 01, Issue 09 (Dec.2014). 7. Vijayalekshmi .V, Chithra P.G Dynamic mechanical, Swelling and Oil resistance studies of Montmorillonite clay in grouping with TiO₂ On Natural rubber latex films, Journal of the academy of chemistry teachers Vol 3(1) 2017, 1-3. ISSN (2395-6801) 8. Green synthesis of ZnO/MgO nanocomposites and their optical studies,Chithra P G,Poornima Vijayan P, Vijayalekshmi V&Renjini S, IJAIS,(2021) ISSN-2583-5734

	9. V. Vijayalekshmi, P, Poornima Vijayan, CD, Midhun Dominic, Thomas, Sabu, Understanding the role of TEMPO-oxidized cellulose nanofiber on natural rubber latex nanocomposites, Polymers from Renewable Resources, 2022 doi: 10.1177/20412479221122271 .
24	Popular Article Published
	1. 2.
25	Books Published (Include ISBN/ISSN Number)
	<p>1. Chapter in book Nanoscience Entitled “Preparation and Characterization of chitosan- Clay nanocomposites” 2017, UGC -HRDC, University of Kerala, Karaivattom, TVM /Better book publishers, TVM. ISBN 978-81-908006-2-4</p> <p>2. Book chapter named Research Perspectives in Chemistry for sustainable development Published on 07-07-2020 Editors-Dr.Bindu Sharmila T.K, Dr. Sreesha Sasi, Dr.Smitha George, Publisher-Excel India - Photocatalytic decomposition of Malachite green in aqueous solutions under UV irradiation using natural rubber latex-Clay/TiO₂ nanocomposites ISBN: 978-93-89947-01-4, FEB 2020.</p> <p>Papers Presented</p>
26	Papers Presented
	<p>1. Presented a paper at national seminar on “Green approaches towards chemical synthesis” organized by Dept. of Chemistry S.G College Kottarakkara, on 7/11/2019 and 8/11/2019, Sponsored by Science and Engineering Research Board (DST-SERD) Govt of India</p> <p>2.Nano Chemistry of bio active molecules-2019 at Christian college Kattakada Co- sponsored by KSCSTE on 19th and 20th August 2019.</p>

	<p>3. Presented paper on three day National seminar (BIOMEET -2017) on Recent trends in biomaterials 15th - 17th February 2017 held at Bishop Moore college, Mavelikkara, organized by DST -SERB and KSCSTE.</p> <ol style="list-style-type: none"> 4. Presented a paper in national symposium on ‘The innovative Trends in chemical education and research: Hurdles and successive Progress’ (ITCER-2017) held at Sree narayana college, kollam during march 22-24, 2017 organized by society for material chemistry, chemistry division, BARC, Mumbai and KSCSTE, TVM 5. Presented paper on national conference on material science and technology, IIST, TVM July 12-14, 2016 6. Presented a paper on” Oil resistance and Dynamic mechanical analysis of Nitrile rubber latex Cloisite 30B/ TiO₂Nanocomposites” International symposium on advanced functional materials (ISAFM-2018MarIvanious college, TVM on 14.10.2018 7. Presented a paper on International Conference on “Photocatalytic Decomposition of Malachite green in aqueous solutions under UV irradiation Rubber Latex- Clay/TiO₂ Nanocomposites” in Sustainable innovations in Green Chemistry & New technological Developments (ICSIG – 2018) On 11th & 12th December 2018 Organized by the Post graduate and Research Department of chemistry, Maharajas College, Ernakulam. 8. Presented a paper on Mechanical and antimicrobial studies on MMT clay /TiO₂ nanocomposites in 4th International science congress, held at Udaipur, Rajasthan, India from 8th-9th December 2014. 9. Has presented a paper on “Strain sweep and cure characteristics of nitrile rubber/cloisite 30B Nanocomposites” in a national seminar on Applications of advanced nano materials (NS-NANO-2014) organized by Sree Narayana college Physics in association with UGC, ACT, Kerala from 25-26 February. 10. Has presented a paper on “Thermal and ageing properties of maleated natural rubber/ organoclay nanocomposites” in an international conference on Emerging frontiers and challenges in Chemistry (ICEFGCC-2014) organized by All saints College, Tvm and DST (SERC division) from 17th to 18th February. 11. Presented a paper in the Three day Multidisciplinary International seminar INTERACT 2025(hybrid Mode)at Sree Narayana college Sivagiri, Varkala Kerala India from 19 to 21 March 2025.
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27	Invited Talks/Public Talks delivered
	1. Invited Talk in an international conference on “Studies of MMT in combination with Graphene oxide on the Properties of chitosan” Polymer Processing and characterization (ICPPC-2014) held at Mahatma Gandhi University, Kottayam, Kerala from 11-13 October 2014.
28	Collaboration/Consultancy/Linkages
	1. Doing Collaborated work with Rubber Research Institute of India, (RRII) Kottayam based on student projects, Extension activity and Research activities.
29	Orientation Courses Attended
	1.UGC Sponsored Orientation Programme (IT-Oriented) conducted by the UGC – Academic Staff College, University of Kerala, Kariavattom from May 2014. 2.NEP 2020 Orientation and sensitization programme under Malaviya Mission teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organized by UGC- MMTTC, University of Kerala, Kariavattom, Thiruvananthapuram from 21-10-2024 to 01-11-2024.
30	Refresher Courses Attended
	1. UGC - Sponsored Refresher course (Nanoscience) conducted by the UGC – Academic Staff College, University of Kerala, Kariavattom from November 2015. 2. Has done a FDP programme on Enhancing Psychological skills for Teaching and Practice of 14 days duration from 15 September 2020 to 29 September 2020 sponsored by MHRD, organized by Ramanujan college, University of Delhi.

	<p>3. One week short term Faculty Development programme (Interdisciplinary) on “Towards a digital Era of teaching learning” organized by UGC- HRDC, University of Kerala TVM in collaboration with KSMDDB college, Sasthamcotta from August 12-18, 2020.</p> <p>4. Attended the faculty improvement programme in Rubber technology from 21.05.2018 to 29.05.2018 (9 days) RRII, Kottayam, India.</p> <p>5. Online refresher course in chemistry for higher education (Swayam- 3 months) on 2019 in association with MHRD and UGC.</p> <p>6. Essence and essentials of Teaching (FDP) online from 23 May 2022 to 31 May 2022 (9 days) Kerala state higher Education Council, Govt of Kerala, in association with P.G & Research Department of chemistry, Sanatana Dharma College.</p> <p>7. Live Online Refresher course in Materials Science (Interdisciplinary) 29 July 2022 to 11 August 2022 (14 days) UGC- HRDC, University of Kerala, Kariavattom, TVM.</p>
31	Seminars/Workshops/Training Organised
	1. Co- convenor of 3 Day National Seminar on Frontline Approaches in Material Science & Computational Chemistry (MATCOM- 2018)
32	Workshops Organised
	<p>1.</p> <p>2.</p>
33	Training Organised
	<p>1.</p> <p>2.</p>
34	Orientation Programmes/Induction Programmes Organised

	1.
	2.
35	FDP/Any Other Programmes Organised
	1.
	2.
36	Startups/Innovation/Incubation Centre (Give the details)
	1.
37	Seminars/Conferences Attended
	<p>1. Participated in webinar lecture series on Sustainable Polymers for Energy Sector: Indian Scenario on 24 th April 2021 conducted by Asian Polymer Association.</p> <p>2.Participated in the G Chem Paint training organized at D.K.M. College for Women in January 2020 semester, with course material provided by the Spoken Tutorial Project, IIT Bombay funded by the National Mission on Education through ICT, MHRD, Govt. of India from 04.05.2020 to 10.05.2020. The Faculty Development Programme included hands on exposure in G Chem Paint and LibreOffice Suite Writer.</p> <p>3.Has participated in Faculty Development Programme from 2020-05-25 to 2020-05-29 on Moodle Learning Management System organized by Sree Narayana College, Chengannur with course material provided by Spoken Tutorial Project, IIT Bombay. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.</p> <p>4. Has participated and completed one week faculty Development programme on “Future materials Nanocomposites from 15th June 2020 to 21st June 2020 organised by department of mechanical engineering Bharati Vidyapeeth deemed university, Pune.</p> <p>5. Participated in the International Webinar on ‘Nanotechnology Against COVID-19’, Organised by Post Graduate and Research Department of Chemistry, Sree Narayana College for Women, Kollam, Kerala, India on 23 July 2020.</p>

	<p>6. Has participated in the “International Webinar on Recent Advances in Chemical Science” jointly organized by Postgraduate & Research Department of Chemistry S N College Kollam and Internal Quality and Assurance Cell (IQAC), Sree Narayana College, Kollam from 28th - 31st May 2020.</p> <p>7. Participated in the International Webinar on 22nd July 2020 organized by the Post Graduate and Research Department of Physics, Sree Narayana College for Women, Kollam, Kerala.</p> <p>8. Participated in one day webinar –“An Introduction to smart Materials “ Conducted by the department of chemistry, ST Gregorious College, Kottarakkara on 23.05.2020</p> <p>9. participated in the national Webinar on “Hymn of herbs : searching for pancreas from western Ghats” organised by Academy of chemistry teachers (ACT) TVM on 1st August.</p> <p>10. Attended a webinar on “Water resource Management “ Organised by the department of chemistry in Association with the IQAC, HHMSPBNSS college foe women, Neeramankara, TVM, Kerala. On 15th July 2020.</p> <p>11. Has participated in the International Webinar on “Chemistry for securing Life: Opportunities beyond your Imaginations” on 25/07/2020 Organised by the department of chemistry, St Joseph’s college (Autonomous) Irinjalakuda.</p> <p>12. Has participated in in One day workshop on performance based appraisal system (PBAS)- Academic performance indicators (API) for teachers organised by IQAC and Library, Bharatiya Mahavidyalaya, Amaravathi held on 23rd July 2020.</p> <p>13. Has participated on scientific symphoria 2020 on “Polymer nano composites and their Applications” Organised by PG and Research department of chemistry, Mar Ivanious college, TVM on 22nd July 2020.</p> <p>14. Participated in the seminar on advanced polymeric materials conducted on 29-07-2017 at D.B college Sasthamcotta organized by ACT KERALA</p>
38	Workshops Attended
	<p>1. Attended a three day workshop for college chemistry teachers held in Trivandrum during October 25- 27, 2018 organized by the JNCASR Bangalore and Foundation for capacity building in science (FCBS) Trivandrum</p>

	<ol style="list-style-type: none"> 2. Attended a two day workshop on “An insight into Analytical instruments in Research” during December 15- 16, 2017 conducted by biomedical technology wing, Sree Chithra Tirunal Institute for Medical sciences and Technology, TVM. 3. Participated in in One day workshop on performance based appraisal system (PBAS)- Academic performance indicators (API) for teachers organised by IQAC and Library, Bharatiya Mahavidyalaya, Amaravathi held on 23rd July 2020.
39	Trainings Attended
	<ol style="list-style-type: none"> 1. 2.
40	Extension Activities Organised/Participated inside the Campus
	1. 1. Testing the Quality Parameters of Natural Rubber Latex in the department of Chemistry in collaboration with Rubber Board Kottayam.
41	Extension Activities Organised/Participated outside the Campus
	<ol style="list-style-type: none"> 1. 2.
42	Representation in Syndicate/Senate/Academic Council/Board of Studies
	<ol style="list-style-type: none"> 1. 1. Member of Academic Committee Sree Narayana guru Open university, Kollam, Kerala. 2.

43	Tutorship in UG/PG (Mention the Class and Year/Batch)
	<ol style="list-style-type: none"> 1. MSc 2012-13 2. BSc 2014 -17 3. BSc 2019 4. MSc 2020-22 5. BSc 2023-26
44	Academic Responsibilities Undertaken
	<ol style="list-style-type: none"> 1. Chief Editor of News Letter Thanmatra Published from the Department of Chemistry 2015. 2. Editorial Committee member of International Journal of Advanced Interdisciplinary Sciences (IJAIS) ISSN-2583-5734 3. Principal Investigator- of one student project for MSc student sanctioned from STEC, TVM 2015- 2016. 4. Subject expert in chemistry to conduct guest faculty interview at S.N college Sivagiri, Varkala on 28th May 2024. 5. Subject expert in chemistry to conduct guest faculty interview at S.N college Sivagiri, Varkala on 5th September 2024. 6. Participated in curriculum designing in chemistry, Sree Narayana guru Open university, Kollam. 7. External evaluator of Green Protocol committee at FMN college Kollam . 8. Chief Editor of News Letter Thanmatra Published from the Department of Chemistry 2025. 9.
45	Any other Duties Performed at College
	<ol style="list-style-type: none"> 1. Co-Ordinator of college Hand Book - Calendar revision from 2019 onwards 2. Co- Coordinator of PM- USHA 3. FIST committee member 2020 4. Presented SARD Proposal on 2017 at KSCSTE, TVM as Co- Ordinator.

	<p>5. Internal mentor of SSP 2019</p> <p>6. Club Member of Kerala State literacy Mission, Nature ` Biodiversity and Placement Cell</p> <p>7. Internal mentor of WWS 2015 – 2017</p> <p>8. NAAC Committee Member 2021-2022</p> <p>9. CBCSS Internal exam committee member 2018</p> <p>10. Convener of ATAL Rankings (ARIIA)2021 -22</p> <p>11. Executive Member of PTA 2022-23</p> <p>12. Committee Member of ICC 202</p> <p>13. Department level IKS Coordinator</p>
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Kindly attach a photograph as email attachment if you need to update in the website