

DETAILED FACULTY BIODATA FOR COLLEGE WEBSITE JUNE 2024 TO MAY 2025		
Sl. No.	Name	Dr S Usha
1	Designation	Professor
2	Department	Zoology
3	Contact Number	9495116036
4	Whatsapp Number	9495116036
5	Email	ushasubhagan@gmail.com
6	Institutional Email ID	usha@sncwkollam.org
7	PEN Number	444662
8	Personal Web Page	-
9	Date of Entry into Service	03/12/2024
10	Date of Retirement	31/05/2028
11	Edu. Qualifications	MSc, BEd, PhD in Zoology
12	Areas of Interest/Specialisation	Nanobiotechnology
13	Courses/Subject Taught	Developmental Biology, Biotechnology, Animal Diversity I & II
14	Field of Research	Nanobiotechnology and Fish Biology
15	Guideship Details (Guideship order number and date, Research Centre, Number of PhD students & title of their research topic)	
	1. Affiliated University: Kerala University	

	1. Subject: Zoology 2. Guideship Order Number & Date: Ac.EI A.2/22154/10 dated 17.04.2010 3. Research Centre: S N College, Kollam 4. Number of Full time PhD Research Scholars:One 5. Number of Part time PhD Research Scholars:One 6. Details of PhD Research Scholars (Full Name, Title of Topic, Year of Joining): 1. Ms Jisha S 2.Ms Neethu S
16	Google Scholar Profile Link/ORCID ID/Research Gate Profile Link (Give the links)
	1. ORCID: https://prcid.org/0009-0003-6045-8785
17	Patent Obtained/Applied (Give the details)
18	Teaching Experience (Permanent) (Give the details)
	1. 20 years UG 2. 2 years PG
19	Teaching Experience (Contract) (Give the details)
	1.
20	Research Experience

	1. 26years
21	Memberships in Learned Bodies/Societies, If Any
	<ul style="list-style-type: none"> • 1. Life member of S N Trusts, Kollam • 2. Life member of FANSA in Kerala chapter • 3. Life member of International Journal Bioscan. • 4. Life Member Sree Narayana Educational Society (Regd. charitable society from 07/10/2017) • 5. Life member of international body “ Oiska” • 6. Life member of “Vijna Bharati”. • 7. Life membership in the Indian Science Congress Association, India on 18/10/2017. • 8. Life member of international body Global Energy Parliament (GEP)
22	Scholarships/Fellowships Obtained
	<ol style="list-style-type: none"> 1. Completed UGC Minor Project entitled “Evaluation of Well water quality in relation to health status in Kollam corporation, Kerala” vide UGC No: MRP(S) 614/09-10/KLKEO 16 dated 27/01/2010. 2. Completed a project sanctioned from Dist. Medical Office, Kollam entitled “Study of Water Quality and Sanitation in Kollam District” in 2013. 3. Completed UGC Minor Project entitled “Bioaccumulation of Heavy metals in an economically important fish Etroplus suratensis of Ashtamudi lake and its impacts on health status of people of Kollam corporation, Kerala.” vide UGC No: MRP(S) 0260/12- 13/KLKEO16 dated 23/09/2013.
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
	Published Research Papers in Peer-reviewed or UGC listed Journals

Sl. No.	Title with page Nos.	Journal	UGC ISSN/IS BN No	Whether peer reviewed Impact Factor	No. of Co-authors	Whether you are the main Author
01	Fin Erosion of carp fishes in relation to water quality. 15(5): 365-370,2003	Journal of Ecobiology	ISSN: 0970-9037-03-15-365	Peer reviewed	1	Yes
02	Morphology, Composition and Development of Fins in common carp, <i>Cyprinus carpio</i> . 51 (4): 471-480,2004	Indian Journal of Fisheries	ISSN: 0970-6011	Peer reviewed 0.5	1	Yes
03	Fins of carp fish, <i>Catla catla</i> in relation to Ecology, Morphology, Composition and Development. 23 (1): 106-112,2005	Environment & Ecology	ISSN: 0970-0420	Peer reviewed	1	Yes
04	Fin characteristics of carp fishes in relation to ecological niches. 20(1): 97-99 (2007)	Journal of Ecobiology	ISSN: 0970-9037-07-20-97	Peer reviewed	1	No

	05	Risk factors for Hepatitis B infection- a community based case control study from southern india, Vol.-3, Issue-1, P. 172-180,2013	Indian Journal of Basic and Applied Medical research	ISSN: 2250-284x	Peer reviewed	4	No
	06	A study on contamination risks of wells from Kollam district, southern India. Volume 4,Issue 4,727-732. 2014	Journal of Water, Sanitation and Hygiene for Development.	ISSN: 2043-9083	Peer reviewed	4	Yes
	07	Heavy metal content in Etroplus suratensis and its local environment in Ashtamudi lake, Kerala,2015Vol XIV No.2 p14-21.	Holistic Thought	ISSN: 0975-363X	Peer reviewed	1	Yes
	08	Immunomodulatory Effect of Triphala Bio-Fortification on <i>Oreochromis mossambicus</i> . Vol 5. Issue 8.2016.P.	International Journal of Science and research (IJSR).	ISSN: 2319-7064	Peer reviewed	2	No

09	Growth promotion Effect of Triphala Bio-Fortification on <i>Oreochromis mossambicus</i> . Vol 5.Issue 9.2016.P.	International Journal of Science and research (IJSR).	ISSN: 2319-7064	Peer reviewed	2	No	
10	Effect of Temperature on the optical and antioxidant properties of Bio and organic synthesized Hematite nanoparticles. Materials Science and Engineering 360(2018)012017	Materials Science and Engineering	doi:10.1088/ 1757-899 X/360/1/012 017.	Peer reviewed Impact factor- 36.214	3	No	

	11	Environmental nanotechnology-Antibacterial and Arsenic pollution control properties of Zinc oxide nanoparaticles. Indian.J Sci. Res.18(1):107-110,2018	Indian Journal of Science Research	ISSN:2250-0138 ISSN:0976-2876(print)	Peer reviewed	Nil	Yes
	12	Antimicrobial activity of Zinc oxide nanoparticles on selected gram positive and gram negative bacteria. Advances in Bioresarch. Vol 9 (5) 2018.100-104.	Advances in Bioresarch.(ABR)	ISSN:2277-1573 Print: ISSN 0976-4585	Peer reviewed	Nil	Yes
	13	Extraction Isolation and structural elucidation of certain active principles of C longa. Trends in Biosciences 11(7), 2018. 1-6.	Trends in Biosciences	ISSN: 0974-8431	Peer reviewed	2	No
	14	Antigenotoxic properties of Njavara Rice Oryza Sativa L. Indica an indigenous medicinal rice variety of Kerala, Volume 8, Issue 10, b445 –b449, 2022	Journal of Emerging Technologies and innovative Research (JETIR)	ISSN: 2349-5162	Peer reviewed	1	No

	15	Monitoring of water pollution of selected freshwater sites of Kollam district, using the aquatic insects as bio indicators, Volume 11 Issue 3, 2022, 397-401.	International Journal of Science and research (IJSR).	ISSN: 2319-7064 ID- SR22302003356	Peer reviewed	1	No	
	16	Monitoring of Bioaccumulation of heavy metals in Ashtamudi Lake, Ramsar site in Kerala, Volume 11, Issue 3, 2022, 832-836.	International Journal of Science and research (IJSR).	ISSN: 2319-7064 ID- SR22316130348	Peer reviewed	1	Yes	
	17	Antigenotoxic properties of Njavara Rice Oryza Sativa L. Indica an indigenous medicinal rice variety of Kerala.	Journal of Emerging Technologies and innovative Research Volume 8 , Issue 10, b445 –b449		Peer Reviewed			
	18	Evaluation of phytochemical profile, Antioxidant and Anti-inflammation Activity of <i>Piper wightii</i> Miq.	Submitted					

	Leaves																
24	Popular Article Published																
	1. 2.																
25	Books Published (Include ISBN/ISSN Number)																
	1.Book: Co- author of Methodology and Perspectives of Zoology-CBCSS SEMESTER III, ♣ Methodology and Perspectives of Zoology. 978-81-930754-6-3. 2.Book: Co- author of Experimental Zoology Instrumentation Biostatistics Bioinformatics. Degree Programme- CBCSS SEMESTER III, Academica Publications																
26	Papers Presented																
	1. <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <p style="text-align: center;">01. 1. Invited Lectures and Papers at International/ National/ State or University Level</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 8%;">Sl. No.</th> <th style="width: 32%;">*Title of the Lecture/ Paper/ Academic Session</th> <th style="width: 15%;">Title</th> <th style="width: 20%;">Organized by</th> <th style="width: 25%;">Whether International/ National/ State or University Level</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">01</td> <td>Implications of the quality of drinking water in the residential areas of Kollam corporation,Kerala</td> <td>Ist Indian Biodiversity Congress</td> <td>Biodiversity Board, University of Kerala, CISSA</td> <td>National</td> </tr> </tbody> </table> </div>							Sl. No.	*Title of the Lecture/ Paper/ Academic Session	Title	Organized by	Whether International/ National/ State or University Level	01	Implications of the quality of drinking water in the residential areas of Kollam corporation,Kerala	Ist Indian Biodiversity Congress	Biodiversity Board, University of Kerala, CISSA	National
Sl. No.	*Title of the Lecture/ Paper/ Academic Session	Title	Organized by	Whether International/ National/ State or University Level													
01	Implications of the quality of drinking water in the residential areas of Kollam corporation,Kerala	Ist Indian Biodiversity Congress	Biodiversity Board, University of Kerala, CISSA	National													

		02	Water quality of wells in relation to health in Kollam corporation area	International Conference on “Climate change, Forest Resource and Environment ”	Organized by Department of Environmental Sciences, Thiruvananthapuram from December 9-11,2011.	International		
		03	Presented a paper in a UGC sponsored National seminar “Recent advances in Computational Biology”, A computational method to aid the calculation of dissolved oxygen and carbon dioxide in water.	Recent advances in Computational Biology”	organized by PG and Research Department of Zoology, Government Arts College, Karur, Tamil Nadu, India on 9 th March,2012	National		
		04	Presented paper in a UGC sponsored National seminar “Biodiversity – its conservation for Sustainable Future “ Freshwater Pond Polyculture-impact of quality of water.	Biodiversity –its conservation for Sustainable Future “	–organized by Departments of Botany and Zoology, St. Thomas College, Ranni, Pathanamthitta Kerala from March 27-28, 2012.	National		

		05	An Evaluation of Heavy metal content in an economically important fish <i>Etroplus suratensis</i> .121-129	UGC National Seminar on Bio nano photonics, Seminar Proceedings	Department of Physics, S N College for Women, S N Press, Kollam	National		
		06	An Evaluation of heavy metal content in a few organisms collected from Ashtamudi lake. 115-119.	UGC seminar on Coping with Academic stress- need of the hour,	Seminar Proceedings by Department of Home Science, S N College for Women, S N Press, Kollam	National		
		07	An Assessment of heavy metal concentrations in water, sediment, plankton and fish of lake Ashtamudi, Kollam- Kerala Page-45	Biological Resources in contemporary plant sciences, Seminar Proceedings	Department of Botany, S N College for Women, S N Press, Kollam	National		
		08	“Environmental Biotechnology- An Assessment of Arsenic pollution control property of ZnO nanoparticles”.41-43	National Seminar on “Recent trends in Biodiversity and Conservation Biology” on August 11-12, 2015.	Department of Zoology, S N College, Chempazhanthy.	National		

		09	Environmental Nanotechnology- ZnO nanoparticles and Arsenic pollution. Page-17	NSST -2015- National seminar	Department of Physics, TKMM College, Nangiarkulangara and CPCRI, Kayamkulam sponsored by UGC	National		
		10	Women Empowerment & Environment, Pages 6-8.	UGC national Seminar proceedings on “Protection of Western Ghats, Concerns and Policy alternatives” published from S N College, Kollam	PG & Research Department of Political science, Sree Narayana College, Kollam	National		
		11	Histopathology of gills and liver in Cyprinus carpio treated with Zn O2 nanoparticles	“ Conservation of Freshwater Biodiversity under changing climate and Land Cover“	Organized by Department of Zoology, University of Kerala during January 20-21, 2017.	National		
		12	Presented a Paper on “A study o	National	organized by	National		

			Bioconcentration of Heavy metals from a few components of Ashtamudi Lake”	Seminar on “Blue Economy- Fostering sustainable development and profitable resource utilization	Department of Zoology, F M N College, Kollam during August 22-23, 2017.		
		13	Presented Paper entitled “Anon “Evaluation of heavy metal content in an economically important fish Etroplus suratensis in relation to biomagnification” at the KSCSTE supported National Seminar	Conservation of Wetland ecosystems for long term ecological security“	organized by Department of Botany, S N College for Women, Kollam during January 18-20,2018.	National	
		14	Presented Paper entitled “Histopathology of liver treated with IrO nanoparticles in culture fish Cyprinus carpio” at the National Seminar	“reaching the unreached through science and technology“	organized by S N College, Kollam during February 12-14,2018.	National	

		15	Presented Paper entitled “Air“ Emerging challenges in Evaluation of uptake of iron oxide nanoparticles by fish muscles” at the KSCSTE supported National Seminar on “with special reference to Biodiversity conservation with recent trends in ecotoxicology”	organized by National Department of Zoology, MSM Conservation College, Kayamkulam, Kollam during February 26-27, 2018.		
		16	Presented Paper entitled “Using Excel-important tips to calculate water quality parameters” at the KSCSTE supported National Seminar on “ Bioinformatics” organized by Department of Zoology, S N College, Sivagiri Varkala during March 5-7, 2018.	organized by National Department of Zoology, S N College, Sivagiri Varkala during March 5-7, 2018.		
		17	Presented a Paper at the KSCSTE supported National Seminar on “ Frontline approaches to material science and computational chemistry”	organized by National Department of Chemistry, S N College for Women, Kollam during March 14-16, 2018.		
		18	Presented Paper in the International	Organized by International		

			International Conference on innovations and sustainable research in environment and life sciences“, Antimicrobial properties of Nanoceria, page 192	Conference on innovations and sustainable research in environment and life sciences“	Department of Zoology, F M N College, Kollam during August 7-9,2018.		
		19	An evaluation of drinking water quality of dug wells in Kollam district.	31 st Kerala Science Congress	organized by Department of Zoology, FMN College, Kollam	State	
		20	A Study of vector Indices of Aedes aegypti in Mundakkal area, Kollam. Pages 135	“Blue growth initiative: sustainable Fishery strategies & advanced technologies Aquaculture“	organized by Department of Zoology, F M N College, Kollam during August 7-9,2019.	International	
		21	Presented Paper in the National Seminar on “ Challenges and Changes in AQAR and SSR preparation “on 19th 20 th December 2019 organized by IQAC, S.N. College for Women Kollam.	“ Challenges and Changes in AQAR and SSR preparation “on 19th 20 th December 2019	organized by IQAC, S.N. College for Women, Kollam.	National	

		22	International Seminar on Current Status and Challenges for Conservation and Sustainable use of Biodiversity (ISCCSB 2020), Biochemical and Histopathological changes in tissues of Cyprinus carpio treated with iron oxide and cerium oxide nanoparticles. CSS BC9 page 88 in Theme IV Biochemistry	International Seminar on Current Status and Challenges for Conservation and Sustainable use of Biodiversity (ISCCSB 2020)	PG & Research Department of Zoology, Sree Narayana College, Kollam	International										
27	Invited Talks/Public Talks delivered															
	1.Kerala State IT mission course Resource person from 2010-2015,2017 -2021															
28	Collaboration/Consultancy/Linkages															
	1.Collaborations 1.With District Health Office, Kollam, Government of Kerala Consultancy 2.Convener Water Testing consultancy in Dept of Zoology 2022															
29	Orientation Courses Attended															
	1. <table><tr><td>Name of the Course /Summer School</td><td>Place</td><td>Duration</td><td>Sponsoring Agency</td></tr><tr><td>Orientation Course</td><td>ASC, University of Kerala.</td><td>16/06/2005 to 13/07/2005</td><td>UGC</td></tr></table>								Name of the Course /Summer School	Place	Duration	Sponsoring Agency	Orientation Course	ASC, University of Kerala.	16/06/2005 to 13/07/2005	UGC
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	NEP Orientation Course	Online	10 days																					
30	Refresher Courses Attended																							
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31	Seminars/Workshops/Training Organised																							
	<table><tr><td colspan="4">1.</td></tr><tr><td colspan="4">Career awareness 13-02-2024</td></tr><tr><td colspan="4">1. PARTICIPATION IN SEMINARS/ CONFERENCES/ WORKSHOPS 1. Participated in the National Symposium on Biotechnology of 21st century from February 2-3,2006 held at Fatima Mata National College, Kollam. 2. Participated in the Lions- Quest Skills for Adolescence Workshop from 13th to 15th October,2006 at Pathanamthitta, Kerala. 3. Participated in the National Symposium on Recent trends in biodiversity conservation and Environmental biotechnology held during January 11 & 12, 2007 at Fatima Mata National College, Kollam. 4. Participated in the workshop on Formulation of Research project proposals for funding, on 26th September, 2007 by PG & Research Dept. of Zoology, S N College, Kollam</td></tr></table>				1.				Career awareness 13-02-2024				1. PARTICIPATION IN SEMINARS/ CONFERENCES/ WORKSHOPS 1. Participated in the National Symposium on Biotechnology of 21st century from February 2-3,2006 held at Fatima Mata National College, Kollam. 2. Participated in the Lions- Quest Skills for Adolescence Workshop from 13th to 15th October,2006 at Pathanamthitta, Kerala. 3. Participated in the National Symposium on Recent trends in biodiversity conservation and Environmental biotechnology held during January 11 & 12, 2007 at Fatima Mata National College, Kollam. 4. Participated in the workshop on Formulation of Research project proposals for funding, on 26th September, 2007 by PG & Research Dept. of Zoology, S N College, Kollam											
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	<p>5. Participated in the state level workshop on Captive Breeding of Fish from September 24-16,2009 by PG & Research Dept. of Zoology, Fatima Mata National College, Kollam.</p> <p>6. Attended the one day work shop on On-line enrolment,on-line registration,on-line Hall ticket & on- line nominal rolls for UG courses conducted by University Computer Centre on 23-09-2010 held at Senate House campus, University of Kerala, Tvm.</p> <p>7. Participated in the college level training programme in General Informatics, S N College for Women, Kollam from 13th- 15th December,2010.</p> <p>8. Participated in the ‘Insplore’ held at Kerala Science & Technology Museum on 24th and 25th January,2011, Thiruvananthapuram.</p> <p>9. Participated in the IT Mission sponsored computer training programme from 31-01- 2011 to 05-02-2011. Thiruvananthapuram</p> <p>10. Participated in the Value @ Amrita Workshop on Virtual labs on 24/09/2011 at Amritapuri campus, Ernakulam, Kerala.</p> <p>11. Participated in the State level energy conservation programme organized by NSS in S N College for Women, Kollam from 18-02-2012.</p> <p>12. Participated in the International Workshop on Risk Reduction and Contingency planning organized by Department of Revenue and Disaster Management held during 9th and 10th March 2012 at Kanakakkunnu Palace Grounds, Thiruvananthapuram, Kerala.</p> <p>13. Participated in the National Workshop on Environmental Impact assessment organized by Department of Environmental Sciences held during 28-31 march,2012 at Department of Environmental Sciences, Tvm.</p> <p>14. Participated in the workshop on Red Ribbon Express Campaign organized at Kollam junction Railway station on 3rd and 4th May,2012.</p> <p>15. Participated in the Workshop organized by Nehru Yuva Kendra-Kollam, in association with Youth information centre, sarada Vilasini vayanashala, Kollam from 9th -10th June,2012.</p> <p>16. Participated in a National Workshop on Thesis writing skills held on 28th -30th June,2012 organized at Christ University Nodal office, Vazhuthacaud, Thiruvananthapuram, India.</p> <p>17. Participated in the Workshop for Nodal officers of AISHE organized by MHRD held on 19.10.2012 at Senate House campus, University of Kerala, Tvm.</p> <p>18. Participated in the Orientation programme in connection with UG online admission 2013-14 held at Senate House campus, University of Kerala, Tvm on 18/05/2013.</p> <p>19. Participated in a National Workshop on “Biostatistics for Research (Basic Principles and Advanced Tools)” held during 19th - 21st March,2015 organized at Cashew Bhavan, Kollam By CEPC Laboratory and TKM Arts & science College, Kollam. India.</p> <p>1.Participated in a National seminar on“ Inland Water Resources and Environment “ held• during 2-4 February,2004 at Kariavattom, Thiruvananthapuram.</p> <p>2. Participated in a UGC sponsored National seminar “ Spectroscopy as a tool for structural• elucidation “ organized by PG Department of Zoology, S N College for Women, Kollam during August 24-25,2005. 3.Participated in National seminar on“ Waste Management Techniques “ organized by• Department of Environmental Sciences held during 14-15 October,2005 at Kariavattom.</p> <p>4.Participated in a National seminar on“Human Resources Development in Bioinformatics”• organized by Department of Biosciences, on 21st February 2006.</p>	
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	<p>5.Participated in a UGC sponsored National seminar “Biotechnology for a clean Environment “organized by PG and Research Department of Zoology, S N College, Kollam October 15-16,2008. 6.Participated in the National seminar on “Current status of Environmental issues-strategies for control and management “ organized by the Department of Zoology, TKM College of arts and Science, Kollam On 22-01-2007.</p> <p>7. Participated in a UGC sponsored National seminar on“ Biofuels- Its importance in the present scenario “ organized by the Department of Botany, S N College for Women, Kollam on 28 February 2007.</p> <p>8.Participated in a seminar on “ Biodiversity conservation and sustainable development “organized by PG and Research Department of Zoology, S N College, Kollam October 15-16,2008.</p> <p>9.Participated in a UGC sponsored National seminar “ Biotechnology for a clean• Environment “ organized by PG and Research Department of Zoology, Fatima Mata National College, Kollam on 28th February , 2008 at F M N College, Kollam.</p> <p>10.Participated in the seminar “ Warm earth” in the R Sanker Birth Centenary Seminar held• on 30-09-2008 at S N College for Women, Kollam.</p> <p>11.Participated in a UGC sponsored National seminar “ Biotechnology for a clean• Environment “ organized by PG and Research Department of Zoology, S N College, Kollam October 15-16,2008. 12.Participated in the 21st Kerala Science Congress held at Kollam during 28-31 January• 2009. 13.Participated in a UGC sponsored National seminar “ Emerging trends in Green• Biotechnology” held at S N College for women from September 24-25,2009.</p> <p>14. Attended a National seminar KUNSED -2009 on “ Climate change and Water resources• ” held by Department of Environmental Sciences, Thiruvananthapuram from October 8- 9,2009.</p> <p>15. Participated in the First Indian Biodiversity Congress IBC 2010, held from 27-3,• December 2010 at Chandrasekharan Nair Stadium, TVM.</p> <p>16. Participated in a National seminar “ Climate change: Global Risks, Challenges and• Decisions “ organized by PG and Research Department of Zoology, Fatima Matha National College, Kollam during January 6-7,2011.</p> <p>17. Participated in the 44th state annual conference of Kerala government medical officers• association on January 29th, 2011 at IMA hall, Chackai, Thiruvannathapuram.</p> <p>18. Participated in the seminar series Vision 2010-11, Diamond jubilee seminar series• sponsored by PTA in S N College for Women, Kollam on 01-02-2011.</p> <p>19. Attended the 21st Swadeshi Science Congress held during November 7-8,2011 at CEPC• laboratory and technical division, Cashew Bhavan, Kollam, Kerala.</p> <p>20. Attended an International Conference on “ Climate change, Forest Resource and• Environment ” organized by Department of Environmental Sciences, Thiruvananthapuram from December 9-11,2011. 21.Participated in an International Conference on “ Nanomaterials – Synthesis,• Characterisation and Applications held at M G University, Kottayam, Kerala from 12- 15th January 2012.</p> <p>22. Participated in a UGC sponsored National seminar “ Recent advances in Computational• Biology” organized by PG and Research Department of Zoology, Government Arts College, Karur, Tamil Nadu, India on 9th March, 2012.</p> <p>23. Participated in a National seminar on “Recent Trends and future prospects of Biodiversity• and Conservation” organized by</p>	
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	<p>Department of Zoology, S N College, Punalur, Kollam from March 15-16,2012.</p> <p>24. Participated in a UGC sponsored National seminar “ Biodiversity – its conservation for• Sustainable Future “ organized by Departments of Botany and Zoology, St. Thomas College, Ranni, Pathanamthitta, Kerala from March 27-28, 2012.</p> <p>25. Participated in a UGC sponsored National seminar “ Biotechnology Vs Biodiversity”• organized by Department of Zoology, S N College for Women, Kollam on 21st and 22nd November,2012.</p> <p>26. Participated in a UGC sponsored National seminar “ Climate Change and its Impact on• Biodiversity- an Indian Perspective “ organized by Department of Zoology, Sree Narayana College, Sivagiri, Varkala, Tvm from January 17 -18, 2013.</p> <p>27. Participated in a UGC sponsored National seminar “ Recent trends in Bio-Nano Photonics• organized by Department of Physics, S N College for Women, Kollam on 19st and 20nd December,2013. 28.Participated in a UGC sponsored National seminar “ Coping with academic stress –need• of the hour” organized by Department of Home Science, S N College for Women, Kollam on 20th and 21st February 2014.</p> <p>29.Participated in a UGC sponsored National seminar “Ethnic knowledge of Biological• Resources in contemporary plant sciences” organized by Department of Botany, S N College for Women, Kollam on 28th and 29st August, 2014.</p> <p>30. Participated in a UGC sponsored National seminar “ Fitness and Lifestyle disease• management “ organized by Department of Physical Education, S N College for Women, Kollam, during March 26-27,2015.</p> <p>WEBINARS- 50 plus</p>	
32	Workshops Organised	
	1.Palliative Care (2 Days) in S N College, Kollam 2016	
33	Training Organised	
	1.Palliative Care (2 Days) in S N College, Kollam 2016	
34	Orientation Programmes/Induction Programmes Organised	
	<p>1.</p> <p>2.</p>	
35	FDP/Any Other Programmes Organised	
	<p>1.</p> <p>2.</p>	
36	Startups/Innovation/Incubation Centre (Give the details)	

	1.Co Coordinator of Innovative course at S N College, Kollam 2016																											
37	Seminars/Conferences Attended																											
	1. 2.																											
38	Workshops Attended																											
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39	Trainings Attended																											
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	HRDC/SPARK/IT Courses attended other than Orientation and Refresher courses			
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	Short term course for Research Guides	TVM	22-10-2010 - 27-11-2010	UGC Academic Staff College
	IT Mission Training Course by Govt of Kerala	TVM	5 days	Kerala State I T Mission
	Short term course for Soft Skill Development	TVM	18-03-2014- 22-03-2014	UGC Academic Staff College
	Short term course in Women Empowerment	TVM	06-11-2017- 11-11-2017	In UGC-HRDC, sponsored by RUSA
	Short term course in Student Counseling and Mentoring	TVM	04-07-2019- 10-07-2019	UGC-HRDC
	Course in e-procurement (e-Tenders) training on 15 th & 16 th November, 2017. By Spark	TVM	2 Days	Spark, Kerala Govt.
40	Extension Activities Organised/Participated inside the Campus			
	<ul style="list-style-type: none"> ▪ Coordinator of Women's Study Club in S N College, 2015 -17 ▪ Coordinator of IT course Capacity Building in IT for Girls from 2017-21 ▪ Resource person of IT course Capacity Building in IT for Girls 2017-21 ▪ Convener of "Pure water for Health" – Water Consultancy service, 2022 onwards 			
41	Extension Activities Organised/Participated outside the Campus			

	<ul style="list-style-type: none"> ▪ Coordinator of Palliative care in S N College, Kollam 2015 -17 ▪ Coordinator of Health survey in collaboration with DMO, Kollam 2017- 2022 ▪ Convener of “Pure water for Health” – Water Consultancy service,2022 onwards
42	Representation in Syndicate/Senate/Academic Council/Board of Studies
	<ul style="list-style-type: none"> ▪ Board of studies member in U G & PG of FMN College from 2014 to 2019. ▪ Board of studies member in Dept of Zoology, Kerala University, 2014 to 2017. ▪ Board of studies member in Dept of Aquatic Biology & Fisheries, Kerala University, 2023 onwards
43	Tutorship in UG/PG (Mention the Class and Year/Batch)
	<p>1. 2015, I DC Zoology, S N College, Kollam 2. 2017, III Dc Zoology, S N College for Women, Kollam 3.2019, I D C Zoology, SNCW 4.2024, III DC Zoology, SNCW</p>
44	Academic Responsibilities Undertaken
	<p>1.</p> <ul style="list-style-type: none"> ▪ HOD and Council member, Department of Zoology 2014 & 2022 onwards ▪ Research Supervisor of Kerala University from 2010 ▪ FSA Secretary in S N College for Women, Kollam, 2006 ▪ Organizing member in the 21st Kerala Science Congress held at Kollam during 28-31 January 2009. ▪ Co-ordinator of Rank List Preparation Committee in 2011 CBCSS I year Degree ▪ Joint Coordinator of online registration of students in CBCSS course, 2010 ▪ Nodal Officer of IT Mission Course by KSITM 2009 to 15 ▪ Resource person of IT Mission course, 2009 to 15 ▪ Organizing Secretary of Campus Recruitment drive in S N College for Women college and Technopark on 22nd and 23rd June, 2012 ▪ Coordinator of Spark Training Programme in IT lab, 2012

	<ul style="list-style-type: none"> ▪ Nodal Officer of MHRD- Conducted AISHE survey in S N College for Women, Kollam from 2010 to 2015. ▪ Coordinator of Community Health Club in S N CW for 3 years ▪ Member in committee Formulating of Proposal for new a Interdisciplinary ,Innovative Programme under UGC scheme2012 ▪ Member 12th Plan Proposal committee, SNCW, Kollam, 2012 ▪ Joint Convenor, Planning and Purchasing Committee,2012 ▪ Joint Coordinator, U G & PG admissions in 2013 ▪ Coordinator of Higher Education, UGC, Statistics and Collegiate Education ▪ Board of studies member in U G & PG of FMN College from 2014 to 2019. ▪ Board of studies member in Kerala University, 2014 to 2017. ▪ Member RUSA Committee & Member FIST Committee,2013 onwards ▪ Co coordinator of UGC Innovative course in Biomedical science,2015-17, SNC ▪ Coordinator of Palliative care in S N College, Kollam 2015 -17 ▪ Coordinator of Women's Study Club in S N College, 2015 -17 ▪ Nodal Officer of NIRF from 2019 to 2021 at SNCW ▪ Coordinator of IT course Capacity Building in IT for Girls from 2017-21 ▪ Resource person of IT course Capacity Building in IT for Girls 2017-21 ▪ IQAC Member from 2017 to 2021 ▪ Coordinator of Health survey in collaboration with DMO, Kollam 2017- ▪ University Examination team member, Kerala University in 2021 at SNCW, ▪ NAAC Coordinator from 2022 in SNCW ▪ Student IQAC Coordinator in 2022 onwards ▪ Convener of "Pure water for Health" – Consultancy service,2022 ▪ Board of Studies member in Aquatic Biology & Fisheries, Kerala University, 2023 onwards ▪ Coordinator of Basic Computer & Bioinformatics- Certificate course-2023 ▪ Chairman of FYUGP Zoology Sem I, University of Kerala-2024 ▪ Chairman of Zoology Semester III, University of Kerala-2024 ▪ Deputy Chairman of Zoology Semester V, University of Kerala-2024
45	Any other Duties Performed at College
	<p>1.</p> <ul style="list-style-type: none"> ▪ FSA Secretary in S N College for Women, Kollam, 2006 ▪ Organizing member in the 21st Kerala Science Congress held at Kollam during 28-31 January 2009. ▪ Nodal Officer of IT Mission Course by KSITM 2009 to 15

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- Member RUSA Committee & Member FIST Committee, 2013 onwards
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- Coordinator of IT course Capacity Building in IT for Girls from 2017-21
- Resource person of IT course Capacity Building in IT for Girls 2017-21
- IQAC Member from 2017 to 2021
- Coordinator of Health survey in collaboration with DMO, Kollam 2017-
- Convener of "Pure water for Health" – Consultancy service, 2022
- Coordinator NAAC Committee, SNCW – 2022 onwards
- G-tech computer course for socially and economically weaker students-2025
- Coordinator of Career awareness programme for Final year BSc Zoology students
- Coordinator of Exhibition of Laboratory equipments for school students- 2024
- Member of Biodiversity Club 2024-25

Election duties carried out from 2005

Kerala Elections – Presiding officer - 4 times (Karunagappally - 1, Paravoor-2, Kottarakkara-1)

Polling Officer - 1 time

College Union Elections- Executive member - 5 times, Observer - 2 times

Presiding officer/Counting official- all duties during service

College Union Election **Assistant Returning officer** – Once

Senate Election – **Returning Officer**- Once

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Kindly attach a photograph as email attachment if you need to update in the website