

STAFFPROFILE

- Name :Dr. JYOTHI M.
- Department : Zoology
- Designation : Assistant Professor
- Phone No.
 - Office : 04232234084
 - E-mail : jyothisanil@rediffmail.com
- Academic Qualifications:

Qualification	Programme	University	Year
Ph.D.	Biochemistry	Mahatma Gandhi University, Kottayam.	2002
PG	Zoology	Mahatma Gandhi University	1993
UG	Zoology	Mahatma Gandhi University	1991

- Additional Qualifications:

- **Career profile:**
Current:

Organization	Designation	Duration
Providence College for Women, Coonoor.	Assistant Professor	15 years

Previous:

- **Participation in Orientation Programme / Refresher Course / Short term course / FDP**

S.No	Participation	Organization	Date	Days
1.	Orientation (Multidisciplinary)	Bharathiar University, Coimbatore	09.02.2011-08.03.2011	28 days
2.	Refresher course in LifeSciences	Bharathiar University, Coimbatore	19.11.2013-09.12.2013	21 days

3.	Refresher Course in Biosciences	Bharathidasan University, Trichy	26.10.2017-15.11.2017	21 days
4.	Faculty Development programme on the Role of a teacher in Nation Building	Departments of English, Commerce & IQAC in collaboration with ICSSR-SRC, Ministry of Human Resource Development, New Delhi. Kesav Memmorial Institute of Commerce & Sciences, Hyderabad	03.08.2020 to 09.08.2020	7 days

- **Grant received for Projects**

Completed:

ProjectTitle	Agency	Amount	Duration
Studies on the Prevalence of Glucose 6 Phosphate Dehydrogenase (G6PD) deficiency among the Primitive Tribal Groups (PTG) of the Nilgiris	University Grants Commission, New Delhi (F. No. 38/104/2009 (SR) dt. 24-Dec-2009)	10,58,867/-	2010 Feb -2013 Jan

- **Research Guidance**

Programme	No. ofScholars	
	Completed	Pursuing
Ph.D.	3	Nil

- **Research Publications:**

- Mohan G., Yogesh J., Nittu G., Shameer T.T., Backer S.J.,Nandhini S., Ramakrishnan B., **Jyothi M.**, Sanil R.,2021. Factors influencing survival of tiger and leopard in the high altitude ecosystem of the Nilgiris, India. Zoology & Ecology, 31(2), pp116-133.
- Thunnisa, A.M., Sumithra, N., Narmatha, S., **Jyothi, M.** and Sanil, R., 2021. New species of the genus Bionychiurus Pomorski, 1996 (Collembola: Onychiuridae) from India. Biologia, 76(11), pp.3399-3404.
- Nittu, G., Bhavana, P.M., Shameer, T.T., Ramakrishnan, B., Archana, R., Kaushal, K.K., Khedkar, G.D., Mohan, G., **Jyothi, M.** and Sanil, R., 2021. Simple Nested Allele-Specific approach with penultimate mismatch for precise species and sex identification of tiger and leopard. Molecular Biology Reports, pp.1-10.

- Nazia, A., Bhavana, P.M., Radha, R., Sumitra N., **Jyothi M.**, and Sanil, R Soil physico-chemistry in relation to microarthropod diversity in wattle plantations of the Nilgiris. *CIBTech Journal of Zoology*, 2016 Vol 5 (2) May – August, pp 16-19.
- Sumithra, N and **Jyothi M.** (2014) Ultraviolet spectroscopic Pattern as a tool to identify plants at species level: A case study with Solanum Genus *Journal of Basic and Applied Biology*, Vol. 8, No. 2, 2014, pp. 109-112.
- **Jyothi, M.**, Priya, C., Sanil, R. & Rauf, A. A. (2012) Hematological Disorder From The Kota Tribes Of The Nilgiris, India: Novel Research Report *Asian Journal of Biochemical and Pharmaceutical Research*, 4 (2), 156-162
- **Jyothi, M.**, Sanil, R., & Shashidhar, S. (2011). Influence of galactose cataract on erythrocytic and lenticular glutathione metabolism in albino rats. *Indian journal of ophthalmology*, 59(4), 287–90. doi:10.4103/0301-4738.81996
- Sanil, R., **Jyothi, M.** & Shashidhar, S. (2009). HMG CoA reductase and hepatocytic hyperlipidemia in various oil fed rats. *International Journal of Biotechnology & Biochemistry*, 5 (1), 1–6.
- **Jyothi, M.**, Sanil, R., Sreekumar, R., & Shashidhar, S. (2003). Antioxidant enzymes and peroxidation in galactogenic cataract. *Indian journal of physiology and pharmacology*, 47(2), 197–201.
- George, S., **Jyothi M.**, Mathew, B., & S. Shashidhar, S. (2003). Changes in glutathione, glutathione-linked enzymes and hexose monophosphate shunt enzymes in senile cataract. *Indian journal of physiology and pharmacology*, 47(2), 191–196
- **Jyothi M.** Sanil R. & Shashidhar S. (2001) HMP Shunt Pathway in Galactose Cataract, *Indian J Comp. Animal Physiol.*, 19, 31-34
- Sreekumar R., **Jyothi M.**, Mathew B. & Shashidhar S. (1997). Galactose Induced cataracts in albino rats. *Biomedicine*, 17(2&3), 93-97.
- Bhaskar, P., **Jyothi M.** & Madhukumar, G. (1992) Hematology of Rana hexadactyla (Lesion) under the stress of Mercury. *J. Zool. Soc. Kerala* 2(2), 39-43

NCBI GENBANK Submissions

- Sumithra, N., Jyothi, M and Sanil R. (2015). *Onchiurus* sp. RS - 2015 voucher MBL_CLM_ONY_01 cytochrome oxidase subunit I (COI) gene, partial cds; mitochondrial. KU220968.1.

Book publications / Chapters written / Proceedings

- Sanil, R. & **Jyothi M.** (2008) Animal movement models. *Proceedings of the national conference in Biodiversity of Natural Shola and its conservation*, Emerald Heights College, Ooty p102-104
- Sanil, R., **Jyothi, M.**, Mohanakrishnan, H., Jose, F. C. & Ebanasar J. (2010) Lesser Cats in Wetlands of Kerala. *Proceedings in the National conference on Wetlands: A multidisciplinary approach*. St Joseph's College, Alleppey p 74-76

- **Conference / Seminar / Symposium / workshop organized**

Year	Name of the Conference / Seminar / Symposium /workshop	Date From – To
2020	Forest Resources and Conservation	04.07.2020

- **Presentation in Conference / Seminar / Symposium**

International Level

- Society for wild life forensic science international conference, Denver, Colorado, USA, 10.06.2019 to 14.06.2019.
- Society for wild life forensic science international conference, Edinburg University, Scotland, 05.06.2017-09.06.2017
- DBT, CSIR & TNSCST sponsored International symposium on Environmental Risk Assessment, 17th – 19th October 2011 at Bharathiar Univeristy, Coimbatore.

National Level

- UGC Sponsored National level seminar on food safety social responsibility and environmental sustainability on 15th and 16th February 2018 at Providence college for women, Coonoor.
- UGC sponsored National Seminar on Sustainable agriculture in India – Strategies and Challenges, 20th & 21st March 2012 at Providence College for Women, Coonoor
- Technical Symposium ZOHO, 19th February 2010 at Providence College for Women, Coonoor
- HADP, Nilgiris Sponsored National Seminar on Tribal Development and Social Change in the Nilgiris District since Independence at Government Arts College, Ooty 29th and 30th October 2008.

Participation in Conference / Seminar / Symposium

International Level

- International workshop on Data Analysis, 16th and 17th December 2009 at Avinashalingam University for Women, Coimbatore
- International conference on Emerging trends in Environmental Research, 14th -15th August 2009 at St Alberts College, Eranakulam, Kerala.

National Level

- Workshop on National Education Policy 2019- Highlights organised by the department of economics on 19th and 20th September 2019, held at Providence College.
- Workshop entitled “Administration Ethics and Basic rules” organised by the Providence college administration on 22-08-2019 at Providence College for Women, Coonoor.
- Training programme on EAT Module of PFMS for HEI’s organised by UGC SERO, Hyderabad on 9th March 2019 at Lyola College, Chennai.
- National Seminar on Climate Change and its impact on Human Health and Wildlife on 20th February and 1st March 2019 at Government Arts College, Udthagamandalam.
- DST Inspire Science Camp 2018, Government Arts College, Ooty from 23-11-2018 to 27-11-2018.
- National conference on Biodiversity and climate change held on 7th September 2018 at Providence College for women, Coonoor.
- DST Inspire Science Camp 2017, Government Arts College, Ooty.
- Science Academies’ National Workshop on Recent Trends in Plant Biodiversity & Ethnobotany, 10.08.2017-11.08.2017, Providence College for Women, Coonoor, The Nilgiris.
- National level workshop in DNA Barcoding: Hands on practice for the beginners held on 30th and 31st March 2016 organised at Government Arts College Ooty in collaboration with PHCDBS, Aurangabad.
- UGC sponsored one day National seminar on Emerging trends in Biosciences, 8th Dec 2015, Kongunadu Arts & Science college, Coimbatore
- CME National Seminar in Advances in Basic and clinical immunology, 15th -16th Sep 2015, Bharathiar University, Coimbatore
- UGC/DST/TNSCST/HADP sponsored National seminar on Nilgiri Biosphere Reserve and Silver Jubilee celebration, 28th -30th August 2013, Govt Arts College, Ooty
- National Seminar on Glimpse of innovations in Biotechnology, 3rd Oct 2013, Bharathiar University, Coimbatore
- UGC sponsored National level seminar on Marine Archeology with special reference to ancient Ports and maritime centres in Tamilnadu, 5th October 2012 at Providence College for Women, Coonoor.

- National level Workshop on Biodiversity Assessment Tools & Techniques, 21st September 2012 at Government Arts College, Ooty.
- NAAC sponsored National Seminar on Ethics and Morals – Need of the hour in quality higher education on 12th& 13th July 2012 at Providence College for Women, Coonoor.
- National Level Workshop on Inclusive Growth in India: Issues and Policies, 20th February 2012 at Providence College for Women.
- Sensitisation Programme for NSS Programme Officers and Unit Leaders, 20th January 2012 at Bharathiar University Coimbatore
- National Seminar on Forest Bioresources Management on 19th and 20th December 2011 at PSGR Krishnammal College for Women
- Training Programme on Disaster Management and Road Safety, 2nd -3rd December 2011 at Bharathiar University, Coimbatore.
- UGC sponsored National level workshop on Revival of Indian Agriculture with total food security for the future, 25 September 2009 at Providence College for Women, Coonoor
- HADP sponsored National Seminar on Endemic and Endangered species of the Nilgiris, 21st and 22nd August 2008 at Government Arts College, Ooty
- UGC sponsored National Seminar on Biodiversity of Natural Sholas and its Conservation in the Nilgiris 27th and 28th March 2008 at Emerald Heights College for Women, Ooty

State Level : Nil

- **Resource person / Invited Speaker/Session Chair– Conference/Seminar/Workshop**

As a resource person in the DST INSIRE Science camp 2018-19 held at Government Arts college, Ooty

As a resource person in the DST INSIRE Science camp 2017-18 held at Government Arts college, Ooty

- **Member of Board of studies**
- Member, Under Graduate Board of Studies in Wild life biology, Bharathiar University, Coimbatore (2021-24).
- Chairperson, Under Graduate Board of Studies in Zoology, Providence College for Women (Autonomous), Coonoor.
- Member, Under Graduate Board of Studies in Zoology, Bharathiar University, Coimbatore (2016-19).

- **Profession related activities**

- Chairperson, Institutional Ethics Committee, Government Arts College, Ooty
- External Subject Expert (VC Nominee) for Ph.D Doctoral committee of various research scholars in Bharathiar University.
- External Examiner for the M.Phil viva voce Examination, Bharathiar university, Trichy
- External Examiner of UG Practical examinations, Bharathiar University, Coimbatore
- Conducting Internal Examinations, Evaluation and Guidance for Part I Malayalam Students of the college
- Invigilator for University Examinations.

- **Institutional responsibilities**

Academic Year	Name of the committee	Co-coordinator/ Member
2021- till date	DQAC	Coordinator
2021- till date	IQAC	Member
2019-2020	Staff Secretary	Co-ordinator
2015-2021	College Development Council	Co-ordinator
2019-2021	Student Security System	Co-ordinator
2009-2013 & 2015- Till date	Eco club	Member
2011-2015	College Development Council	Member
2013-2014	Eco club	Co-ordinator
2011-2012	NSS	Programme officer
2009-2011	NSS	Assistant Programme officer

- **Other Highlights**

- Organised NSS camps during 2009-12

- Awareness Programmes and services to the society during 2009-12
- Organized classes for school children at CSI School, Coonoor
- Eco Club member 2009-2019.
- Served as a member of College discipline committee
- Served as a member of college blood donation Committee
- Participated in the blood donation camp
- Active Participant of Graduation day, College day, Sports Day, Valedictory day and other activities of the college
- As judge for several competitions conducted in the college.
- Extension work at Government School, Bandishola
- Course committee member of UGC sponsored Diploma in Human Rights.
- Staff in Charge –Ancillary UGC Library
- Staff representative to conduct the Student Council election in the college