



FACULTY PROFILE

Name	Prof. (Dr.) Binoy T Thomas Ph. D.
Designation	Head of the Department, Professor & Research Guide
Department	Botany

PERSONAL VISION AND MISSION

Vision

To lead transformative education and innovative psychological research that strengthens institutional quality, sustainability, and societal relevance in alignment with NAAC quality benchmarks.

Mission

To advance credible and impactful microalgal research supporting environmental sustainability and community development.

To ensure transparent governance, efficient resource management, and continuous quality enhancement as HoD and Bursar.

PERSONAL DETAILS

Date of entry into permanent service	02.08.2004
Total teaching experience as on 01 December 2025	21 years 3 months
Age and Date of Birth	03.02.1975
Residential Address	Kripa Bhavan Thannithode Kerala
Address for Correspondence	Postgraduate and Research Department of Botany Catholicate College Pathanamthitta, Kerala, India
Mobile / Whatsapp Number	9447087024
E-mail (Personal and Official)	bttkripa@gmail.com binoytt@catholicatecollege.ac.in



ACADEMIC QUALIFICATIONS

Degree	Subject	Institution and University	Grade/ Rank etc.
UG	Botany	Catholicate College, Pathanamthitta, MG University, Kottayam	First Class
PG	Botany	Catholicate College, Pathanamthitta, MG University, Kottayam	First Class
Ph D	Botany	MG University, Kottayam	First Class
Additional Qualifications	BE; CSIR / NET		

COLLEGE LEVEL DUTIES / MAJOR CHARGES

Duty	Position	Duration
Financial Controller- College Level	Bursar	2023 till date
Head of the Department	Department of Botany	2021 till date
College Council	Member	2021 till date
IQAC	Coordinator	1 year
RUSA	Coordinator	1 year
BIIC (Business Innovation Centre)	Head	1 Year
NAAC CRITERION 3	Coordinator	3 Years
College Governing Board	Member	2023 till date
Purchase Committee	Coordinator	2023 till date
MOOC (Massive Open Online Course) -Organic Farming	Coordinator	2018-2020
Staff Club	Treasurer	2017-2029
WWS	Coordinator	3 years
Research Development Committee	Member	3 years


POSITIONS HELD/ AWARDS/ RECOGNITIONS/ MAJOR ACHIEVEMENTS

Name	Details
Best Paper Award	Best Paper Presentation Award- ICNSE, Dubai- 2014
Visiting Scientist Award	INSA-2021 (Indian National Science Academy)
Research Award	Prof. Y.S.R.K. Sarma Memorial Award-2024
World Record	International Book of Records
Subject Editor	Vegetos- Springer Nature https://link.springer.com/journal/42535/editorial-board
Prototypes Developed	<ol style="list-style-type: none"> 1. Phycoscrapper 2. Phycoscrapper-Mobile APP 3. Web Application 4. Bio-oxygenator 5. Bio-oxygenator- Mobile App 6. Herbarium Mobile Application
Research Collaborations	<ol style="list-style-type: none"> 1. Govt. Engineering College, Barton Hill, Thiruvananthapuram 2. College of Engineering, Thiruvananthapuram 3. Baskaracharya College of Applied Sciences, New Delhi 4. Govt. Engineering College, Idukki 5. Royal Botanical Garden, Kew, UK 6. Indiana University of Pennsylvania (IUP) 7. Kerala Development and Innovation Strategic Council (KDISC) 8. Business Innovation and Incubation Centre, Mahatma Gandhi University, Kottayam 9. Government Engineering College, Idukki Sree Narayana Institute of Ayurvedic Studies and Research (SNIASR), Kollam.
Industrial Collaborations	Zarrah Biotech, Thrissur, Kerala
Board of Studies Member	MG University Nominee- UC College, Aluva
Question Paper Setter	PSC- Subject Expert (09.08.2018), (12.02.2019), Ph.D Preliminary Qualifying Examination , 2022



RESEARCH AND CONSULTANCY	
Year of Award of Ph.D.	2012
No. of Publications	30
No. of Patents application filed	1
New species & New Record	10 & 28
Lead investigator	Phycotechnology Laboratory
GenBank Deposition	1
Student Research & SPYTis Project (KSCSTE)	4
No. of papers presented in Conferences, Seminars, Workshops and Symposia	22
Year of Award of Research Guideship	23.07.2019
No. of Ph.Ds produced	Nil
No. of Ph.D. students currently registered	03
No. of Major Research Projects awarded/completed	02
No. of Minor Research Projects awarded/completed	01
Total amount of research grant awarded	32,92,449
Area of Consultancy	Algal identification & Idea translation
Income generated by consultancy during the last five years	Nil



RESEARCH PROJECTS		
Name	Details	Amount (Rs)
KSCSTE MRP	Diversity and Ecology of epiphyllous algae of Kerala. Kerala State Council for Science, Technology and Environment-(030/SRSLs/2014/CSTE dated 01.04.2016)	17,88,629/
DoECC MRP	Exploration of Harmful Algal Blooms of sacred rivers of Kerala. Directorate of Climate Change and Environment-(DoECC/AEO2/CC/1679/2019 dtd 20/11/2019)	14,42,320 /
KDISC- Local Innovation Project	Studies on the characteristics of <i>Eichhornia Crassipes</i> as a source for biofuel (No : 385/2021/KDISC dtd 01/07/2022)	61,500 /
KSCSTE- Student Projects	<ol style="list-style-type: none"> 1. Bioremediation of domestic waste water by the consortium of algae 37/SPYTis-11/2016/KSCSTE 2. Morphological and molecular characterization of acid tolerant algae from the campus of Catholicate college, Pathanamthitta, Kerala 981/2017/KSCSTE 3. Biodegradation of different polythene by blue green algae 23/SPYTis -11/2017/KSCSTE 4. Biomass yield and biochemical profiling of fast-growing epiphyllous algae 114/SPS63/2018/KSCSTE 	40,000/

PUBLICATIONS AND PRESENTATIONS	
International/ National Publications	<ol style="list-style-type: none"> 1. Ray and Binoy T Thomas (2012) Fertility characteristics of Oxidic Dystrustepts under natural forest, rubber and teak plantations in different seasons, Kerala, South India. Communications in Soil Science and Plant Analysis 43: 2247-2261 2. Ray and Binoy T Thomas (2012) Soil Green-Algae in Oxidic Dystrustepts under diverse Vegetation in the Western Ghats, Kerala, South India. Research Journal of Soil Biology DOI: 10.3923/rjsb.2012 3. Ray JG, Dhanya V and Binoy T Thomas (2014) Globally unique Kuttanadu Wetland paddy soil of South India: Soil fertility in relation to seasons and different stages of the crop. Int. J. Agriculture Photon 125: 296-304 4. Binoy T Thomas , Baby AK and Babu AS (2015) Invitro Culturing of certain common soil algae of Kalanjoor Panachayath, Pathanamthitta District,Kerala. Proceedings of International Conference on climate change and developing world.168-173. 5. Binoy T Thomas and Ray J G (2016) Diversity and Ecology of Diatoms in the soils of Oxidic Dystrustepts under the three different vegetation of Western Ghats, Kerala, South India. The Journal of Ecology. Photon 111, 465-475 6. Binoy T Thomas, Thomas VP, Bhagya MV, Swathi SN, Rajan R, Saranayamol ST (2016) New record of phytoparasitic alga,Cepahaleuros diffusus on Artocarpus incisus,Kerala,India Int.Journal of Modern Botany 6:37-40 7. Binoy T Thomas, Bhagya MV & VP Thomas (2017) Diversity of Leaf associated Trentepohlian algal biofilms in southern Western Ghats, Journal of Biology and Nature 8(2): 52



8. Binoy T Thomas, Bhagya MV & VP Thomas (2017) *Trentepohlia dialepta* (Nylander) Hariot: A terrestrial alga from Southern Western Ghat region, Kerala, India, *Phykos*, 47 (2): 10-13
9. Nisha Babu, V.P. Thomas, Judin Jose, Binoy T. Thomas. (2017). Acquisition of Ethnobotanical Knowledge on Zingiberales from Tribal's Of Kollam District, Kerala, India. *International journal of Applied Pharmaceutical and Biological Research*. 2(6)1-7
10. Thomas, V. P., Judin Jose and Binoy T. Thomas (2017). An Introductory Ethnobotanical Investigation on Zingiberales used by Malavettuvan and Mavilan Tribe's of Kasaragod District, Kerala *International Journal of Advanced Research* 5(6)228-234
11. Binoy T Thomas, Bhagya M V, Saranya Mol S T and Reshma Rajan. (2018) In vitro Culturing and Biochemical properties of Green and Blue-Green Algae in the Laterite soil. *An International Journal of Plant Research & Biotechnology. Vegetos* 31(4):28-34
12. Thomas V.P., M. Sabub, Binoy T. Thomas and Judin Jose (2018). Taxonomy, Pollen Morphology and Conservation of *Amomum Cannicarpum* (Wight) Benth. Ex Baker (Zingiberaceae): An Endemic Species in Western Ghats, India *Indian J. Sci.Res* 08 (2)25-28.
13. Thomas V.P., M. Sabu, Binoy T. Thomas and Judin Jose (2018) Taxonomy, distribution and Conservation of four endemic Species *Amomum Roxb.* (Zingiberaceae) in Western Ghats, India. *Cissa* 136-139
14. Thomas V.P., Judin Jose, Binoy T. Thomas and P.R. Sajish (2018). Ethnobotanical Studies on Zingiberales Used By Kanikkar of Trivandrum District. *Indian J.Sci.Res* 19(1) 53-56
15. Binoy T Thomas, Ancy Baby, Amruta S Pillai, Bhagya M V & Thomas VP (2019) Biomass productivity, synthetic seed preparation, oil extraction and chemical profiling of *Scenedesmus obliquus*. *Vegetos*. <https://doi.org/10.1007/s42535-019-00004-9> *Vegetos* 32 (1), 33-38
16. Binoy T Thomas, Bhagya MV & VP Thomas (2019) Epiphyllous algae of *Trentepohlia Martius* in Southwestern Ghats, India, including one new species and three new records. *Taiwania*. DOI: 10.6165/tai.2019.64.103 *Taiwania* 64(2): 103-110
17. Binoy T Thomas, Soosen Samuel M & , VP Thomas (2020) Outbreak of HABs in the sacred rivers of Achencovil and Pamba. *Indian Hydrobiology* 19 : 0971-6548
18. VP Thomas, Judin Jose, Saranya Mol ST and Binoy T Thomas (2020). Ethnobotanical significance of Zingiberales: a case study in the Malaipandaram tribe of Southern western Ghats of Kerala *Indian Journal of Traditional Knowledge* 19(2) 450-458
19. Merin Grace Jiji, Merin Ann Ninan, VP Thomas and Binoy T Thomas (2023) Edible microalgae: potential candidate for developing edible vaccines. *Vegetos*. <https://doi.org/10.1007/s42535-023-00636->
20. Merin Ann Ninan, Merin Grace Jiji, VP Thomas and Binoy T Thomas (2023) Heterogeneous Data Analysis of *Trentepohlia*; A Meta Analysis. *Chetana* 1: 11-14
21. Merin Ann Ninan, Merin Grace Jiji, Sabu Thomas, VP Thomas and Binoy T Thomas (2024) The real hues of Red Rain-Kerala, India. *Aerobiologia*. <https://doi.org/10.1007/s10453-024-09810-4>
22. Merin Grace Jiji, VP Thomas and Binoy T Thomas (2024) *Oedocladium sahyadricum* (Chlorophyceae), a new species from Western Ghats, India. *Taiwania* 69(2): 173-177, 2024 DOI: 10.6165/tai.2024.69.173.
23. Maneesha MS, VP Thomas and Binoy T Thomas (2024) Diversity of Placoderm Desmids from the Sacred Rivers of Southern Western Ghats, India. *International Journal on Algae* 26 (3) 235-260



	<p>24. Gopika Gopan, VP Thomas, and Binoy T Thomas (2025) Phytochemical Profiling of <i>Gynochthodes Ridsdalei</i> leaves- An endemic species of southern Western Ghats. <i>IJBPAS</i> 14(2): 649-657.</p> <p>25. Gopika Gopan, VP Thomas, and Binoy T Thomas (2025) On the taxonomy and typification of <i>Morinda lucida</i> Benth. (Rubiaceae). <i>Adansonia</i> 47: 3</p> <p>26. Neethu Uthaman, Valukattil Ponnachan Thomas and Binoy Thundiathu Thomas (2025) <i>Smilax agasthyamalana</i> (Smilacaceae): a new species from Western Ghats, India</p> <p>27. Saira S Babu, V. P. Thomas & Binoy T. Thomas (2025) Sustainable valorization of <i>Alpinia galanga</i> pseudostem fibers for characterization and materials engineering applications. <i>Scientific Reports</i> 15:10455</p> <p>28. Merin Grace Jiji, VP Thomas and Binoy T Thomas (2025) Exploring the nutritional potential of soil green microalgae for food security applications- <i>European Journal of Phycology</i>. https://doi.org/10.1080/09670262.2025.2568137</p> <p>29. Saira S Babu, V. P. Thomas & Binoy T. Thomas (2025) Exploring the Potential of Underutilized Zingiberaceae Fibers: A Study on <i>Meistera aculeate</i> and <i>Amomum andamanicum</i>. <i>Journal of Natural Fibers</i> https://doi.org/10.1080/15440478.2025.2568538</p> <p>30. V.P. Thomas, Mathew Dan, M. SALEEM, Binoy T Thomas, M Sabu . A new variety of <i>Wurfbainia villosa</i> (Zingiberaceae) from India. <i>Phytotaxa</i></p>
New Books	<p>Mathew Dan, S. Pradeep Kumar V.P. Thomas, M. Omalsree, P.E. Sreejith, Binoy T. Thomas. 2024. <i>Tropical Plant Genetic Resources Characterisation and Perspectives</i>, Bishen Singh Mahendrapal Singh,</p>
Chapters inBooks	<p>1. Binoy T Thomas <i>In vitro</i> culturing of certain common soil algae of Kalanjoor Panachayath, Pathanamthitta District, Kerala. <i>Proceedings of International Conference on climate change and developing world 2015</i> Page No. 168-173 ISBN 97881925 99168</p> <p>2. Binoy T Thomas Leaf colonizing algae- <i>Phycopeltis</i> in different Vegetation Page No. 428-431 <i>Mainstreaming biodiversity for sustainable development</i>. Publisher: Kerala State Biodiversity Board; Member secretary. ISBN 97881934 23110</p> <p>3. Thomas VP & Binoy T Thomas <i>Ethnobotanical studies on Zingiberales of Kannur district, Kerala</i> Page No. 370-375 <i>Mainstreaming biodiversity for sustainable development Kerala State Biodiversity Board; Member secretary</i>. ISBN 978-81 929896-2-4</p> <p>4. Thomas VP & Binoy T Thomas <i>An Ethnobotanical investigation on Zingiberales of Kerala</i> Page No 238 <i>31st Kerala Science Congress Kerala State Council for Science, Technology and Environment, Sasthra Bhavan, Pattom, Thiruvananthapuram – 695004</i> ISBN 81 - 86366 - 97 - 0</p> <p>5. Soosen Samuel M, Binoy Varghese, Bivitha and Binoy T Thomas. <i>New Perspectives on Micro-Algal Fuel Cell: An Approach Toward Green Energy (2024). Food-Energy-Water Triangle for Sustainable Development: Integrative and Synergic Solutions</i>. Pedro Aguilar-Zárate, Mónica Chávez-González, Ann Rose Abraham, and A. K. Haghi (Eds.) © 2025 Apple Academic Press, Inc. Co-published with CRC Press (Taylor & Francis). Pp-205-232.</p> <p>6. Merin Grace Jiji & Binoy T. Thomas. <i>Taxonomic assessment of soil green algae from the forest soils of southern Western Ghats, Kerala, India (2024). Tropical Plant Genetic Resources: Characterisation and Perspectives [pp.249-258]</i> ISBN: 978-93-6028-030-7, M/s Bishen Singh Mahendra Pal Singh, Dehra Dun, India</p> <p>7. Archana V., Philipose Omman & Binoy T. Thomas <i>Diversity of Eukaryotic soil</i></p>



	<p>microalgae of Pathanamthitta district, Kerala, India (2024). Tropical Plant Genetic Resources: Characterisation and Perspectives [pp.259-269] ISBN: 978-93-6028-030-7 © 2024, M/s Bishen Singh Mahendra Pal Singh, Dehra Dun, India</p> <p>8.Soosen Samuel M., Akhila A.L., Maneesha M.S. & Binoy T. Thomas. Metal nanoparticles of ZnO, Fe₂O₃ and Co against the bloom forming algae, <i>Euglena sanguinea</i> Ehrenberg (2024) . Tropical Plant Genetic Resources: Characterisation and Perspectives [pp.495-508] ISBN: 978-93-6028-030-7 © 2024, M/s Bishen Singh Mahendra Pal Singh, Dehra Dun, India</p> <p>9.Thomas, V.P., Sajna, S., Sooraj Krishnan, K.V. and Binoy T. Thomas. Taxonomic documentation of invasive alien angiosperms in Pathanamthitta Municipal area (2023) Biological Invasions Issues in Biodiversity Conservation and Management. Kerala State Biodiversity Board</p> <p>10.Merin Ann Ninan, Merin Grace Jiji, VP Thomas and Binoy T Thomas (2023) Cyanobacteria , A tool for planetary Engineering. Futuristic Trends in Biotechnology. Volume 3: ISBN 978-93-6252-391-4</p> <p>11.Merin Ann Ninan& Binoy T Thomas, Feast for future (2024), The Malankara Sabha, English Quarterly Volume 3 Issue 1 January-March</p> <p>12.Merin Ann Ninan& Binoy T Thomas, Rain, Rain, Red rain (2024), Sasthra , The Indian Journal of Science and Technology Vol. 5 pp 25-28</p>
<p>Proceedings of international/ National symposiums</p>	<ol style="list-style-type: none"> 1.Assessment of freshwater algal diversity during the post lockdown period (RABT 21 organized by MCAR, Research division of St. Mary's College, Thrissur, Kerala) in December 2021. 2.Taxonomy of selected groups of Biraphid diatoms from Achankovil and Pamba rivers, Kerala (International Conference 2023 organized by Department of Botany, Catholicate College Pathanamthitta) in March 2023. 3.Taxonomy and diversity of Euglenophytes in Achankovil &Pamba; sacred rivers of Kerala” in the International Conference on ‘Algae: Food, Feed, Fuels and Fine Chemicals’ organized by Department of Microbiology, School of Life Sciences, Bharathidasan University, Tiruchirappalli, Tamil Nadu in September 2023. 4. Harmful algae from the sacred rivers of Achankovil, Pamba and associated reservoirs” in the National Seminar on ‘Green Economy: Concepts and Perspectives’, organized by Department of Botany, Government College, Madappally, Kozhikode, Kerala in October 2023.
<p>Paper Presentations (international/ National)</p>	<ol style="list-style-type: none"> 1.National Workshop on Taxonomy, Culture & Industrial Application of Algae (2007) Algae and environment Department of Botany, St.Thomas College, Kozhencherry 2.International Conference on Natural Science and Environment 2014 Diversity of Blue Green Algae of the Tropical Soils APCBEES, Hong Kong 3.National Seminar on New trends in plant diversity studies 2015 Biodiversity of algae Department of Botany Catholicate College, Pathanamthitta 4.Zero hunger and sustainable development through education 2015 Zero hunger and sustainable development through education UNAI-ASPIRE Musaliar College of Arts and Science 5.International Conference on Algal Technologies 2016 Phyto parasitic algae Sevas Educational Society, Andhra Pradesh 6.Two-day National seminar on ecotechnological perspectives for sustainable development 2017 Diversity of Trentepohlian algae School of Biosciences, MG University, Kottayam 7.4th Indian Biodiversity Congress 2017 Diversity of epiphyllous algae IBC,



	<p>Pondicherry University</p> <p>8.Sixth International Conference on Plants and Environmental Pollution 2018 Leaf colonizing algae ISEB & NBRI, Lucknow</p> <p>9.National workshop on algae' Prospects and Challenges in algal studies' 2018 Algal Taxonomy Department of Botany Catholicate College, Pathanamthitta</p> <p>10.World Wetland Day 2018 Prospective of microalgae Department of Botany Catholicate College, Pathanapuram</p> <p>11.Lecture cum Workshop 2018 Perspectives of Algal study Department of Botany St. Thomas College, Kozhenchery</p> <p>12.National Conference on Bioprospecting of algae 2019 Diversity of soil algae and its utilities Central University of Kerala, Kasaragod</p> <p>13.National Workshop on Algal Taxonomy and Culturing 2019 Algal Culturing Department of Botany Catholicate College, Pathanamthitta</p>
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WORKSHOPS /SEMINARS/ CONFERENCES ORGANISED

Position	Details
Convener /Co-Ordinator	<ol style="list-style-type: none"> 1. International Colloquium on Biochemical Engineering (ICBCE 2024) Post Graduate and Research Department of Botany Catholicate College, In association with Mahatma Gandhi University, Kerala & Kerala Academy of Sciences. 02/08/ 2024 2. National Algal Workshops , Catholicate College, Pathanamthitta, 2017, 2022, 2023 3. One week Interdisciplinary Faculty Development Programme on Youth and Climate Change , in collaboration with BCAS, 2022 4. Ten Days Internship on Molecular and Analytical Plant Techniques, in collaboration with MCC, 2022 5. International lecture was organized in the Post Graduate and Research department of Botany, Catholicate College, Pathanamthitta in association with Dr. EK Janaki Ammal Chair, 2023 6. Gruha Chaithanyam Project (30.6.23) 7. Webinar on Application of Algae in Scientific Research,2022 8. Webinar on How to Write Review Papers in Scientific Journals , 2022 9. International Webinar Series-Scholar Scope, Organizing Secretary, 2022 10. Short-term course on Molecular Taxonomy for Research Scholars, Convener,2022

MEMBERSHIP IN PROFESSIONAL BODIES



1. ISEB, Lucknow, Life Member
2. Society for Plant Research; Life Membership: 1722665691
3. The Linnaean Society of London; Membership : 17959

ANY OTHER RELEVANT INFORMATION

Research-Discoveries

New species-10

- 1) *Trentepohlia gaviensis* Binoy T T, Bhagya MV & VP Thomas sp.nov. (Taiwania. DOI: 10.6165/tai 2019.64.103)
- 2) *Oedocladium sahyadricum* Merin G J, Binoy T T, VP Thomas sp.nov. (Taiwania 2024)
- 3) *Chlamydomonas ovoidae* Ray and Thomas sp. nov.
- 4) *Cylindrocystis chavarae* Ray and Thomas sp. nov.
- 5) *Penium gregoriouse* Ray and Thomas sp.nov
- 6) *Roya catholicatae* Ray and Thomas sp.nov.
- 7) *Stichococcus thannithode* Ray and Thomas sp. nov.
- 8) *Chlamydomonas deasonii* var. micro Ray and Thomas var. nov.
- 9) *Oscillatoria thannithode* Ray & Thomas sp. nov. (Research Journal of Soil Biology 4: 42-68)
- 10) *Eolimna minima* var. *undulatae* Ray & Thomas var. nov. (The Journal of Ecology, 465-475, 2016)

New Records from India- 28

- 1) *Trentepohlia abietina* (Taiwania. DOI: 10.6165/tai 2019.64.103)
- 2) *Trentepohlia rigidula*(Taiwania. DOI: 10.6165/tai 2019.64.103)
- 3) *Trentepohlia chapmanii* (Taiwania. DOI: 10.6165/tai 2019.64.103)
- 4) *Cephaleuros diffusus* on *Artocarpus incisus* (International Journal of Modern Botany 6: 37-40, 2016)
- 5) *Actinotaenium perminutum* (G.S.West) Teiling 1954 (International Journal on Algae 26 (3) 235-260.)
- 6) *Actinotaenium curtum* (Brébisson ex Ralfs) Teiling ex Růžička&Pouzar 1978
- 7) *Closterium lineatum* var. *elongatum* (Rosa) Croasdale 1955
- 8) *Closterium strigosum* var. *elegans* (G.S.West) Willi Krieger
- 9) *Closterium limneticum* Lemmermann 1899
- 10) *Closterium moniliferum* var. *submoniliferum* (Woronchin) Willi Krieger 1935
- 11) *Eunotia islandica* Østrup 1918
- 12) *Staurastrum paradoxum* Meyen ex Ralfs 1848
- 13) *Staurastrum saltans* var. *orientale* (W.B.Turner) Thomasson 1986
- 14) *Staurastrum sexangulare* var. *attenuatum* W.B.Turner 1893
- 15) *Staurastrum emaciatum* var. *basior natum* D.B.Williamson 2006
- 16) *Staurastrum acanthastrum* West &G.S.West 1902
- 17) *Staurastrum bibrachiatum* Reinsch 1875
- 18) *Staurastrum javanicum* var. *apiculiferum* (W.B.Turner) Willi Krieger 1932
- 19) *Staurastrum longipes* (Nordstedt) Teiling 1946
- 20) *Staurastrum tauphorum* West & G.S.West 1902
- 21) *Staurastrum vaasii* var. *nudum* A.M. Scott & Prescott 1961
- 22) *Staurodesmus mucronatus* var. *subtriangularis* (West & G.S.West) Croasdale 1957
- 23) *Staurodesmus extensus* (O.F.Andersson) Teiling 1948
- 24) *Staurodesmus octocornis* (Ehrenberg ex Ralfs) Stastny, Skaloud & Neustupa 2013
- 25) *Staurodesmus phimus* (W.B.Turner) Thomasson 1959
- 26) *Staurodesmus semilunaris* (Schmidle) Coesel&Meesters 2013
- 27) *Staurodesmus triangularis* var. *brevispina* (V.Allorge& P. Allorge) Coesel & Meesters 2013
- 28) *Urosolenia diademata* Rott & Kling 2006



- **GenBank Deposition-** Deposited one new alga *Chloromonas rayensis* (CAPH-53.sqn Chloromonas MH686219)
- **Patent Filed-1-**Application Number- 202241035059, Journal Number- 30/2022, Journal Date: 29/07/2022 -Indian Patent Office
- Popular Article Published in News Daily, Malayala Manorama- *Padippura* & Deepika

Name and Signature of Teacher with date

Prof. (Dr.) Binoy T Thomas

22.11.2025