

CURRICULUM VITAE OF

Dr. JACOB THOMAS M.Sc., B.Ed., Ph.D., FISCA



PERSONAL DETAILS

Father's Name : N.C.Thomas
Date of birth : May 06, 1982
Sex : Male
Nationality : Indian
Religion : Christian – Orthodox
Marital Status : Married

PERMENANT ADDRESS

Official Address

Assistant Professor & Research Guide
Department of Botany
Mar Thoma College
Thiruvalla – 689103, Kerala
Phone : 0469 – 2741543, 9349752227

Residential Address

Nedumpurathu House
Azhiyidathuchira .P.O.
Thiruvalla, Pathanamthitta (dist.)
Kerala - 689113.

Telephone : +91 9349752227, +91 469 2605777

Email: jacobnthomas@yahoo.co.in, jacobnthomas@gmail.com

EDUCATIONAL STATUS

Exams Passed	Subjects	Name of the University	Year of Passing	Percentage of Marks Obtained
Ph. D	Botany: Foliicolus Fungal Taxonomy	Kannur University, Kerala	2010	NA
B.Ed.	Natural Science (Biology)	Kerala University, Kerala	2008	67.2%
M. Sc	Botany with specialization in Plant Biotechnology	Mahatma Gandhi University, Kerala	2004	76%
B. Sc	Botany (main) Chemistry and Zoology (Sub)	Mahatma Gandhi University, Kerala	2002	81.8%

Details of professional training and research experience

Course	Institution	Details
DNA Bar-Coding & DNA Fingerprinting	Rajiv Gandhi Centre for Biotechnology (RGCB) Trivandrum, Kerala	One month internship for training in Molecular technologies
Computer Awareness Programme	International Technological Institute, Thiruvalla	OS: Windows 98, 2000, Windows XP, Windows Vista and Windows 7. Office Automation: MS Office 2000, 2003, 2007; DTP and Photoshop
Short Term Botanical Latin Course	JNTBGRI , Trivandrum	Botanical Latin
Fungal taxonomy	JNTBGRI , Trivandrum	<ul style="list-style-type: none"> • Collection, identification and documentation of foliicolous fungi. • Plant identification • Conducting field explorations Herbarium preparation and processing
Intellectual Property Rights	CPCRI Kudlu P.O. Kasargod, Kerala	Management of Intellectual property rights and commercialization of agricultural products
General Course on Intellectual Property	WIPO Worldwide Academy, Geneva, Switzerland	Introduction to IP, Copyright, Related Rights, Trademarks Geographical Indications, Industrial Design, Patents, WIPO Treaties, Unfair Competition, Protection of New Varieties of Plants

Details of employment (past & present).

Name of the Employer/Organisation	Post held	Period	Nature of duties/experience
PG & Research Dept. of Botany Mar Thoma College Kuttapuzha P.O., Thiruvalla Pathanamthitta, Kerala.	Assistant Professor in Botany	15.6.2011 to continuing	Teaching botany and allied subjects to Post Graduate and Under Graduate students
CPCRI Kudlu P.O. Kasargod, Kerala	Research Associate	21.12.2009 to 13.6.2011	Management of Intellectual property rights and commercialization of agricultural products
P G & Research Dept. of Botany Mar Thoma College Kuttapuzha P.O., Thiruvalla Pathanamthitta, Kerala.	Guest lecturer in Botany	16.11.2009 to 18.12.2009	Teaching botany and allied subjects to Post Graduate and Under Graduate students

Tropical Botanic Garden & Research Institute Karimancode P.O. Pacha –Palode 695562 Thiruvananthapuram Kerala.	JRF and SRF	13.12.2006 to 05.11.2009	<ul style="list-style-type: none"> • Collection, identification and documentation of foliicolous fungi. • Plant identification • Conducting field explorations • Herbarium preparation and processing
Dept. of Botany Mar Thoma College Kuttapuzha P.O., Thiruvalla Pathanamthitta, Kerala.	Guest lecturer in Botany	09.10.2006 to 12.12.2006	Teaching botany and allied subjects to Post Graduate and Under Graduate students
Tropical Institute of Ecological Sciences P.B. No. 243, Kottayam, Kerala, 686 001	JRF	01.03.2006 to 24.08.2006	Conducting survey to find out Selfmedication of Antibiotics in Kerala State.
Akshaya-e-Centre, Market Junction Thiruvalla P.O. Pathanamthitta, Kerala	Computer Instructor	03.01.2005 to 31.03.2006	Teaching Computer applications, Office Automation, Photoshop and DTP

Awards and Honors

- **FLAIR National Intern 2014-1'15**, Department of Higher Education, Government of Kerala
- **Fellow member of International Science Congress Association (ISCA-FM-324)**
- **Life Member of Indian Science Congress Association, Kolkatta**
- **Wildlife Crime Control Bureau (WCCB) Volunteer, MoEFCC, Govt. of India, New Delhi; (KL00378)**
- **Botany Board of Studies Member**, Assumption College, Changanacherry
- **Section Recorder** for Biological Sciences in 3rd International Science Congress, 2013 at Karunya University, Coimbatore
- **Award winner** for maximum publication in 2011 and 2012 I Mar Thoma College, Thiruvalla
- **Won the Young Scientist Award** in the National Seminar on Biodiversity for Human Welfare, Dept of Studies and Research in Microbiology, Mangalore University, Cauvery Campus, Madikeri, 7-8 April, 2010.

RESEARCH HIGHLIGHTS

- Recognized **research guide in Botany** of Mahatma Gandhi University, Kottayam, Kerala
- More than six years of research experience in reputed scientific institutions.
- Management of Intellectual property rights and commercialization of agricultural products.
- Carried out survey, exploration and collection of taxa of angiosperm plants in St. Thomas College Campus, Kozhencherry and published a book.
- Collection, identification and documentation of foliicolous fungi resulted in finding out 37 new species, 4 new varieties and 6 new records in India
- Conducted more than hundreds of plant exploration trips to different regions of Peninsular and North Eastern regions of India.
- Author of two Books and published many research papers in various scientific journals of

National and International repute.

Ph. D. (Botany)

Topic : “Meliolaceous fungi in Peppara and Neyyar Wildlife Sanctuaries in Kerala State.”

Institution: Tropical Botanic Garden and Research Institute (TBGRI), Palode, Trivandrum, Kerala.

Research Projects

1. **Topic :** “Diversity and Distribution of Asterinaceous Fungi in India”, sponsored by Ministry of Environment and Forests, Govt. of India, New Delhi

Institution: Tropical Botanic Garden and Research Institute (TBGRI), Palode, Trivandrum, Kerala.

2. **Topic :** “Intellectual Property Management/Commercialization of Agricultural Technology”, sponsored by ICAR, Govt. of India, New Delhi.

Institution: Central Plantation Crops Research Institute (CPCRI), Kasaragod, Kerala.

M. Sc. (Botany) Dissertation Project

Topic: “Multiple shoot and microtuber production from *in vitro* culture of *Gloriosa superba* L; an endangered plant of Asia and Africa.”

Institution: Dept of Botany, St.Thomas College, Kozhencherry, Patahanmthitta, Kerala.

RESEARCH PROJECT EXPERIENCE AS PRINCIPAL INVESTIGATOR

Title	Funding agency	Year of sanction & duration
<i>Diversity and Distribution of Black Mildew Causing Fungi in Shenduruny Wildlife Sanctuary, Kerala (Major Project)</i>	University Grants Commission, New Delhi	2012, July 2012 – July 2015 (3 years)

Research Scholars enrolled for Ph.D.: 1

TEACHING SKILLS

- Good command over the class
- Good inter personal relations
- Creating good rapport with the students
- Sincere and keen in updating the developments in the field of science
- Transferring these new information to students
- Role as a facilitator to the students

COMPUTER SKILLS

- Successfully completed Six month's **Computer Awareness Programme**.
Operating System : Windows 98, 2000, Windows XP, Windows Vista and Windows 7.
Office Automation : MS Office 2000, 2003, 2007; DTP and Photoshop
Data mining and Internet search skills

PUBLICATIONS

Books Published: 2

- Thomas, V.P., and **Jacob Thomas** 2005. *Angiosperm Flora of St. Thomas College Campus, Kozhencherry, Pathanamthitta Dist., Kerala*, Dept. of Botany, St.Thomas College, Kozhencherry, Kerala.
- Hosagoudar, V.B. and **Jacob-Thomas**, 2012. *Meliolales in Peppara and Neyyar Wildlife Sanctuaries in Kerala State*, Sadguru Publications, Udaipur.

Research Papers Published : 22

1. Hosagoudar, V.B., **Jacob Thomas** and Robin, P.J. 2007. Additions to foliicolous fungi of Shillong, Meghalaya. Second Asian Congress of Mycology and plant pathology, organized by Indian Society of Mycology and plant pathology, held at Osmania University, Hyderabad, Dec.19-22, p.19.
2. Hosagoudar, V. B., A. Sabeena, G. R. Archana and **Jacob Thomas** 2007. *Meliola vallaridis sp. nov. from Kerala, India*, *Journal of Scientific Transactions in Environment and Technovision 1(2): pp. 69-70*.
3. Hosagoudar, V. B., **Jacob Thomas** and P.J. Robin 2009. **Studies on foliicolous fungi-XXX Fungi of shillong, Meghalaya**, *Indian Journal of Science & Technolgy Vol.2 No 6 (June) : pp. 2-6*
4. Hosagoudar, V.B., **Jacob Thomas**, S.S. Shaji and P.P. Rajeshkumar 2009. **A new Balladyna species from Kerala, India**, *Indian Journal of Science & Technolgy Vol.2 No 6 (June) : p. 9*
5. Hosagoudar, V. B. and **Jacob Thomas** 2009. **The genus Dysrhynchis in India**, *Indian Journal of Science & Technolgy Vol.2 No 6 (June) : pp. 10-11*.
6. Hosagoudar, V. B., A. Sabeena and **Jacob Thomas** 2009. **The Genus Lembosia on Humboldtia species in Kerala, India**, *Indian Journal of Science & Technolgy Vol.2 No 6 (June) : pp. 19-21*.
7. Hosagoudar, V. B., and **Jacob Thomas** 2009. **Meliolaceae of Kerala, India-XXXII**, *Indian Journal of Science & Technolgy Vol.2 No 6 (June) : pp. 22-24*.
8. Hosagoudar, V. B., and **Jacob Thomas**, **Two new Sarcinella species from Kerala, India**, *Indian Journal of Science & Technolgy Vol.2 No 6 (June) : pp. 26-27*.
9. **Jacob Thomas** and Hosagoudar, V.B. 2010. Additions to Meliolaceae of Neyyar and Peppara Wildlife Sanctuaries, Thiruvananthapuram, Kerala. *National Seminar on Biodiversity: for Human Welfare, held in the Department of Studies and Research in Microbiology, Cauvery Campus, Madikeri, Kodagu, on 7th-8th April, 2010*, p. 83.
10. Hosagoudar, V. B., and **Jacob Thomas** 2010, **Interesting foliicolous fungi from Southern Western Ghats of Kerala, India**, *Journal of Applied and Natural Science 2(1):102-105*

11. Hosagoudar, V. B. **Jacob Thomas** and Agarwal D.K., 2010. **Additions to Meliolales of India, Nelumbo** Vol.52 : 1-8.
12. Hosagoudar VB, Sabeena A, **Jacob-Thomas**, 2011. **The genus *Asterostomula* from Kerala, India, including one new species.** *Plant Pathology & Quarantine* 1(1), pp. 7–10.
13. Hosagoudar VB, **Jacob-Thomas** and Agarwal, D. K., 2011. **Two new schiffnerulaceous fungi from Kerala, India.** *Journal of Yeast and Fungal Research* 2(5), pp. 85 – 87.
14. Hosagoudar VB, **Jacob-Thomas** and Agarwal, D. K., 2011. *Four new Asterinaceous members from Kerala, India.* 2011. *TAPROBANICA*, 3(1): pp. 16-18.
15. Hosagoudar, V.B., **Jacob Thomas** and Agarwal, D.K. 2011. Additions to black mildews of India. *Taprobanica* 3 (1): 42-43.
16. **Jacob-Thomas**, 2013. Career Opportunities in Biological Fields In New World. *Wizmag Sciene Plus*, 1(1): pp. 385-386.
17. **Jacob-Thomas, Teena Elizabeth Alex and Riya J. Thomas**, 2013. *Meliola marthomaensis* sp. nov. an addition to Meliolaceae from Western Ghat Region in Kerala State, India. *Universal Journal of Plant Science*.
18. **Jacob Thomas**, Frangipani Disease (*Coleosporium plumeriae*) on *Plumeria* from Kerala State, India: In 3rd International Science Congress, Karunya University, Coimbatore, 8-9 December, 2013.
19. **Jacob Thomas**, 2014. Multiple shoot and microtuber production from *Glorios superb* L. an endangered plant of Asia and Africa, in 26th Kerala Science Congress, KSCSTE, Govt. of Kerala, 28.01.2014 – 31.01.2014, KVASU, Pookode, Wayanad, Kerala.
20. **Jacob Thomas**, 2014. A serious rust (*Coleosporium plumeriae*) disease on Frangipani (Temple tree) from Kerala State, India, in 26th Kerala Science Congress, KSCSTE, Govt. of Kerala, 28.01.2014 – 31.01.2014, KVASU, Pookode, Wayanad, Kerala.
21. **Jacob Thomas**, 2014. A Serious Rust Disease Affecting Frangipani (*Plumeria rubra*) in Kerala State, India, *Journal of Plant and Pest Science* 1(1):17-21
22. **Jacob Thomas**, 2014. Biochemical changes in the *Lawsonia inermis* L. infected with *Asterina lawsoniae* Henn. & Nyn., *Current Research in Environmental & Applied Mycology* 4 (2): 217–220, ISSN 2229-2225 Doi 10.5943/cream/4/2/9

EXTRA CURRICULAR ACTIVITIES AND VOLUNTEER EXPERIENCE

- ❖ NSS Programme Officer, Mar Thoma College (Unit 25), Thiruvalla
- ❖ WWS (Walk With a Scholar) Co-Ordinator, Mar Thoma College, Thiruvalla
- ❖ Programme Officer, Red Ribbon Club, Mar Thoma College Unit, Thiruvalla
- ❖ Ecoclub Convener, Mar Thoma College, Thiruvalla
- ❖ District Secretary, Kerala Pvt. College Teachers Association (KPCTA), Pathanamthitta, Kerala
- ❖ Unit Secretary, Kerala Pvt. College Teachers Association (KPCTA) Mar Thoma College Unit, Tiruvalla
- ❖ **Wildlife Crime Control Bureau (WCCB) Volunteer, MoEFCC, Govt. of India, New Delhi; (KL00378)**
- ❖ Organizing and participation in Technical symposium and cultural activities.
- ❖ Uni-Y (University YMCA) Thiruvalla Subregion Vice Chairman and Convenor during the period 2004-2006.
- ❖ Member of **science club** during the academic year 2004-'05 in St. Thomas College, Kozhencherry.
- ❖ Volunteer of World Wide Fund for Nature - India (**WWF**).

- ❖ **Editor of the Life Science Club Journal Zoic**, Mount Tabor Training College, Pathanapuram, during 2005-'06.
- ❖ Worked as the Venue Committee Member of **21st Kerala Science Congress**, 28.01.2009-31.01.2009, Kollam, Kerala, conducted by KSCSTE, Govt. of Kerala.

COURSE/SEMINARS/WORKSHOPS ATTENDED

International Seminar/Conference

1. **2nd Asian Congress of Mycology and Plant Pathology**, Indian Society of Mycology and Plant Pathology, Osmania University, Hyderabad.
2. **International Conference on Coconut Biodiversity for Prosperity**, CPCRI, Kasaragod, 25-28 October, 2010.

National Seminar/Conference

1. **Seminar on Environmental Awareness Programme**, Conducted by: C.P.R. Environmental Education Centre, Chennai, 29-30 June 2001.
2. **Seminar on Microbiology & Biotechnology**, Association of Microbiologists of India, Cochin, 15, September, 2001.
3. **Seminar on Biodiversity, Conservation, and Sustainable Utilization of Medicinal Plants**, Dept. of Botany, St. Thomas Collage, and Kozhencherry, 26-27, November, 2003.
4. **Seminar on Prevention of Pollution in Rivers of Kerala with Special Reference to River Pampa**, Pampa Parirakshana Samithy, Kozhencherry, 16-17, January, 2004.
5. **National Workshop on Modern Trends in Angiosperm Taxonomy**, Dept. of Botany, St. Thomas Collage, and Kozhencherry, 22-24, November, 2006.
6. **21st Kerala Science Congress**, KSCSTE, Govt. of Kerala, **28.01.2009 – 31.01.2009, Kollam, Kerala.**
7. **Seminar on National Technology Day Celebrations – 2009**, TBGRI, Palode, Trivandrum, on June 3, 2009.
8. **Seminar on World Environment Day – 2009**, TBGRI, Palode, Trivandrum, June 5, 2009.
9. **National Workshop on Intellectual Property Rights in the Knowledge Economy**, Patent information Centre – Kerala, KSCSTE, Govt. of Kerala & TIFAC, Dept. of Science & Technology, Govt. of India on **June 12, 2009.**
10. **National Workshop on Biodiversity of fungi with special reference to Mushrooms**, Dept. of Botany, St. Thomas Collage, and Kozhencherry, 28-30, October, 2009.
11. **Meeting cum workshop on Zonal Technology Management & Business Planning and Development**, South Zone ZTMC & BPD, ICAR, CIFT, Cochin, 12-13 March, 2010.
12. **National Seminar on Biodiversity for Human Welfare**, Dept. of Studies and Research in Microbiology, Manglore University, Cauvery Campus, Madikeri, 7-8 April, 2010.
13. **Two day workshop on Intellectual property & Technology Management in Agriculture**, South Zone ZTMC & BPD, ICAR, CIFT, Cochin, Kerala, 26-27 April, 2011
14. **Two Day CBCSS Botany Curriculum review Workshop**, M.G. University, kottayam Kerala, 21-22 July, 2011
15. **One Day Seminar and Hans-on-training in Bioinformatics**, P.G. & Research Dept. of Botany, Mar Thoma College, Thiruvalla, Kerala, 28th July, 2011.
16. **One day Workshop on Biodiversity Conservation and Environmental Education**, WWF-India at Mar Thoma College, Thiruvalla, 21, November 2012.
17. **Molecular Diagnostics and Therapeutics**, Dept. of Bioscience, Mar Thoma College, Thiruvalla, Kerala, 27th February 2013.
18. **3rd International Science Congress (ISC 2013)**, Karunya University, Coimbatore, 8-9 December, 2013.
19. **26th Kerala Science Congress**, KSCSTE, Govt. of Kerala, **28.01.2014 – 31.01.2014, KVASU, Pookode, Wayanad, Kerala.**

20. **National Seminar on Biodiversity of Western Ghats: Present Scenario and Future Threats**, P.G. & Research Dept. of Botany, Mar Thoma College, Thiruvalla, 4-5 March 2014.
21. **National Seminar on Biodiversity of Conservation: Trend and Need**, Dept. of Botany, St. Thomas College, Thrissur, 5-7 March 2014
22. **National Science Academies' Lecture on Molecular Biology in the 21st Century**, MACFAST, Thiruvalla, 28-29 March, 2014
23. **Delivered a talk on Genus Identification in Fungi at One-day National Seminar on the Biodiversity of Cryptogams in South India**, Dept. of Botany, Mercy College, Palakkad on 10th December, 2014.

NEW FUNGAL SPECIES IN CREDIT – 36

1. *Amazonia dikesinghii* Hoasg. & Jacob. on leaves of *Pogostemon travancorica*
2. *Asteridiella amomi* Hoasg. & Jacob. on leaves of *Amomum subulatum*
3. *Asteridiella phukanea* Hoasg., Jacob. & Robinon leaves of *Castanopsis armata*
4. *Asteridiella sebastianae* Hoasg. & Jacob. on leaves of *Sebastina chamelia*
5. *Asterina aristolochiae* Hoasg. & Jacob. on leaves of *Aristolochia tagala*
6. *Asterina glycosmidigena* Hoasg. & Jacob. on leaves of *Glycosmis pentaphylla*
7. *Asterina gymnemae* Hoasg. & Jacob. on leaves of *Gymnema sylvestris*
8. *Asterina phyllanthi-beddomi* Hoasg. & Jacob. on leaves of *Phyllanthus beddomei*
9. *Asterina schimae* Hoasg., Jacob. & Robin on leaves of *Schima wallachi*
10. *Astrostormula syzygii* Hoasg. & Jacob. on leaves of *Syzygium cumini*
11. *Balladyna salaciae* Hoasg. & Jacob. on leaves of *Salacia oblongum*
12. *Cirsosia hopiae* Hoasg. & Jacob. on leaves of *Hopea ponga*
13. *Irenopsis pavoniae* Hoasg. & Jacob. sp. nov. on leaves of *Pavonia* sp.
14. *Lembosia humboldtiicola* Hoasg. & Jacob. on leaves of *Humboldtia unijuga*
15. *Lembosia humboldtiigena* Hoasg., Jacob. & Sabeena on leaves of *Humboldtia vahliana*
16. *Meliola agenoepes* Hoasg. & Jacob. on leaves of *Agenope thyrsofolia*
17. *Meliola cayratiae* Hoasg. & Jacob. on leaves of *Cayrtia pedata*
18. *Meliola cipadessae* Hoasg. & Jacob. on leaves of *Cipadessa baccifera*
19. *Meliola dioscorearum* Hoasg. & Jacob. on leaves of *Dioscorea wallachi*
20. *Meliola dioscoregena* Hoasg. & Jacob. on leaves of *Dioscorea* sp.
21. *Meliola marthomaensis* Jacob. *et al.* on leaves of *Hymenodictyon obovatum*
22. *Meliola meghalayensis* Hoasg., Jacob. & Robin on leaves of *Castanopsis armata*
23. *Meliola mesuae* sp. nov. on leaves of *Mesua ferrea*
24. *Meliola sanjappai* Hoasg. & Jacob. on leaves of *Semecarpus travancorica*
25. *Meliola shillongensis* Hoasg. & Jacob. on leaves of *Vaccinium griffithianum*
26. *Meliola vallaridis* Hoasg., Archana, Jacob. & Sabeena on leaves of *Vallisneria spiralis*
27. *Meliola vazhachalensis* Hoasg. & Jacob. on leaves of *Aglaia* sp.
28. *Phyllachora gymnemae* Hoasg. & Jacob. on leaves of *Gymnema sylvestris*
29. *Questieriella zanthoxyli* Hoasg., Jacob. & Robin on leaves of *Zanthoxylum khasianum*
30. *Sarcinella castanopsidis* Hoasg., Jacob. & Robin on leaves of *Castanopsis armata*
31. *Sarcinella cipadessae* Hoasg. & Jacob. on leaves of *Cipadessa baccifera*

32. *Sarcinella loranthacearum* Hoasg. & Jacob. leaves of on *Loranthus* sp.
33. *Sarcinella lyoniae* Hoasg. Jacob. & Robin on leaves of *Lyonia ovalifolia*
34. *Sarcinella quisqualidis* Hoasg. & Jacob. on leaves of *Quisqualis indica*
35. *Schiffnerula cryptostegiae* Hoasg. & Jacob. on leaves of *Cryptostegia* sp.
36. *Schiffnerula flacourtia* Hoasg. & Jacob. on leaves of *Flacourtia montana*
37. *Schiffnerula meliosmatis* Hoasg. & Jacob. on leaves of *Meliosma simplicifolia* sub. sp. *punchens*

NEW FUNGAL VARIETIES IN CREDIT - 4

1. *Asterina thunbergicola* Hansf. var. **indica** var.nov. on leaves of *Thunbergia* sp.
2. *Meliola erythrinae* Sydow var **indica** var. nov. on leaves of *Erythrina variegata*
3. *Meliola strophanthicola* Hansf. var. **indica** var. nov. on leaves of *Strophanthus* sp.
4. *Meliola pseudarthriae* var. **indica** var. nov. on leaves of *Pseudarthria viscida*

NEW FUNGAL RECORDS TO INDIA AND KERLA - 6

1. *Asterina garciniicola* Ouyang & Song on leaves of *Garcinia* sp.
2. *Meliola abrupta* Syd. on leaves of *Derris* sp.
3. *Meliola hugoniae* Hansf. & Deight. on leaves of *Hugonia belli*
4. *Meliola rapanae* Syd. on leaves of *Rapanea* sp.
5. *Meliola ichnocarpii-volubili* Hansf. on *Quiriviella frutescens*. (*Ichnocarpus frutescens*).
6. *Dysrhychnis palmicola* (Sydow) Arx on leaves of *Elaeis guineensis*

LINGUISTIC SKILLS

- Good communication skill in English
- Good command over regional languages such as Hindi, Malayalam and Tamil.

HOBBIES

Gardening, cycling, collection and conservation of wild and rare plants, Photography, Poetry writing, short story writing.

The above given details are true to my knowledge.

Thiruvalla
March 20, 2015



(Jacob Thomas)