



# Internal Quality Assurance Cell St. Thomas College Palai

NAAC Accredited with 'A' Grade (3rd Cycle, CGPA 3.30) in 2015

College with Potential For Excellence (CPE-UGC)  
(Affiliated To Mahatma Gandhi University, Kottayam)

# Report of the IQAC 2016-17

ARUNAPURAM P. O., KOTTAYAM, KERALA – 686 574

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## Internal Quality Assurance Cell (IQAC)

The College established an Internal Quality Assurance Cell in 2004 itself which was reconstituted many times as per NAAC guidelines and the present one consists of the following members:

1. Dr. Sunny Joseph, Principal
2. Rev. Dr. James John, Vice Principal
3. Dr. Sunil C Mathew, IQAC Coordinator
4. Rev. Fr. Mathew Kurian, Bursar
5. Dr. Sunny Kuriakose, Department of Chemistry
6. Dr. Siby James, Department of English
7. Dr. Ison V Vanchipurackal, Department of Physics
8. Sri. Mathew Thomas, Department of Zoology
9. Dr. Babu Jose, Department of Commerce
10. Dr. K K Jose, Distinguished Educationalist & Local Representative
11. Sri Joby George, Sub. Div. Engineer, BSNL – Alumni Representative
12. Sri. Jose Mamparambil, Industrialist

### Strategies

IQAC evolves mechanisms and procedures for:

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- The relevance and quality of academic and research programmes
- Equitable access to and affordability of academic programmes for various sections of society
- Optimization and integration of modern methods of teaching and learning
- The credibility of evaluation procedures
- Ensuring the adequacy, maintenance and functioning of the support structure and services
- Research sharing and networking with other institutions in India and abroad

### Functions

Some of the functions of the IQAC are:

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution.
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.

- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes.
- Dissemination of information on various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes/activities leading to quality improvement
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices.
- Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality.
- Development of Quality Culture in the institution.
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

### At a Glance

Date of Submission of AQAR 2015-16 to NAAC:	31-10-2016	
Dates of Meetings of IQAC:	<ol style="list-style-type: none"> <li>1. 27-06-2016</li> <li>2. 04-11-2016</li> <li>3. 10-01-2017</li> <li>4. 15-03-2017</li> </ol>	
Minutes and Action Taken Reports are available in the institutional website.	Link to Minutes of Meetings	
	<a href="https://www.stcp.ac.in/images/pdf/iqac/MMinutes%20of%20IQAC%20Meetings%202016-17.pdf">https://www.stcp.ac.in/images/pdf/iqac/MMinutes%20of%20IQAC%20Meetings%202016-17.pdf</a>	
	Link to Action Taken Report	
	<a href="https://www.stcp.ac.in/images/pdf/iqac/Action%20Taken%20Report%202016-17.PDF">https://www.stcp.ac.in/images/pdf/iqac/Action%20Taken%20Report%202016-17.PDF</a>	
No. of Fulltime Teachers	146	
No. of Non-teaching Staff	47	
Number of students on rolls	2707	
Number of programmes offered	42	
Number of sanctioned seats	1115	
Number of students admitted	1071	
Number of full time teachers with Ph. D.	54	
Number of students benefited by scholarships and freeships provided by the Government	1375	
Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies	241	

Quality Initiatives					
Date(s) of Internal Academic Audit			20-12-2016 to 21-12-2016		
Date(s) of External Academic Audit			19-07-2016 to 20-07-2016		
Date(s) of Internal Administrative Audit			25-06-2016		
Date(s) of External Administrative Audit			10-05-2017		
Date(s) of Orientation Programmes to Teaching staff			22-12-2016		
Date(s) of Orientation Programmes to Non-teaching staff			04-06-2016		
Date(s) of Orientation Programmes to Students			01-06-2016, 18-07-2016 to 22-07-2016		
Number of Seminars organized in Collaboration with Other Institutions/Agencies			4		
Number of Collaborative Research Papers			2		
Faculty participation in conferences and symposia					
		Number of Faculty			
		International level	National level	State level	
Attended Seminars/ Workshops		22	16	12	
Presented papers		2	6	0	
Resource Persons		2	8	8	
No. of faculty members involved in curriculum restructuring / syllabus revision/ development as member of Board of Study/Faculty/Curriculum Development workshop				51	
Research Projects					
Major Research Projects			3		
Minor Research Projects			9		
Number of research publications					
Peer Reviewed Journals			29		
Non-Peer Reviewed Journals			5		
Conference Proceedings			5		
No. of books published					
With ISBN No.	6	Chapters in Edited Books	2	Without ISBN No.	1
No. of conferences organized by the Institution					
Level	International	National	State	University	College
Number	2	4	1	4	14

<b>Initiatives undertaken towards faculty development</b>	
<b>Faculty/ Staff Development Programmes</b>	<b>Number of faculty benefitted</b>
Refresher courses	4
Orientation programmes	7
Faculty Development Programme	2
<b>Pass Percentage of Final Year Students</b>	
Number of Students Appeared	825
Number of Students Passed	667
Pass Percentage	80.85

## Activities During 2016-17

### Academic Audit - 2016 Conducted

Academic Audit - 2016 of the College was conducted on 20 and 21 December 2016. The audit team consisting of Very Rev. Dr. Joseph Kollamparampil, Vicar General and Pro-Manager of the College; Dr. Sunny Joseph, Principal; Dr. Sunil C. Mathew, IQAC Co-ordinator and two external members, viz., Dr. Raju George (former Principal, Mary Matha College, Mananthavady) and Dr. M. K. Baby (IQAC Co-ordinator, St. Joseph's College, Devagiri, Kozhikode) visited all the departments of the College and conducted the academic audit. They submitted a comprehensive report to the College Management on the basis of their audit and suggested ways and means to improve the performance of the departments in the coming years.

### Second International Conference on Materials Science and Technology (ICMST 2016) Conducted

*Nobel Laureates Prof. Ada E. Yonath and Prof. Klaus von Klitzing deliver plenary talks*

As a sequel to the first International Conference on Materials Science and Technology (ICMST 2012), the Department of Physics conducted the second ICMST from 5 to 8 June 2016 with the participation of around 550 scholars and delegates from 20 countries. The conference opened with a public lecture by Prof. Ravi Subramanian, Director of Raman Research Institute, Bangalore, on 5 June 2016. The formal inauguration of ICMST 2016 was conducted on 6 June 2016 by Prof. P. J. Kurian, Honourable Deputy Chairman of the Rajya Sabha, in the presence of the Nobel laureates Prof. Ada E. Yonath (Israel) and Prof. Klaus von Klitzing (Germany). H. E. Mar Joseph Kallarangatt, Bishop of Palai and Patron of the College, presided over the inaugural function. Principal Dr. Sunny Joseph felicitated. Dr. Michael Augustine (Head, Dept. of Physics) welcomed the gathering and Dr. Ginson P. Joseph (Convener) proposed the vote of thanks. The 11 plenary speakers including the Nobel laureates, the 12 keynote speakers and the 15 invited speakers including institute directors, science advisers to governments, and eminent scientists from various countries provided major boost to the exchange of latest advances in Materials Science and Technology. All the speakers were most renowned scientists in Materials Science and the young researchers from India and abroad relished their talks and drew inspiration during the discussion sessions. ICMST 2016, with 180 oral presentations and 265 poster presentations, covered all important topics of current interest in Materials Science and Technology. The presenters were motivated by awards for the best oral and poster presentations.

### Prathibhanam 2017 - Tributes to Sreekumaran Thampi

The Department of Malayalam organised a glittering function titled 'Prathibhanam 2017' to felicitate and pay tributes to Sri. Sreekumaran Thampi, the legendary Malayalam poet, scriptwriter, film director and producer, who completed fifty years in the Malayalam film industry. H. E. Mar Jacob Murickan, Auxiliary Bishop of Palai and Manager of the

College, honoured Sri Sreekumaran Thampi by draping him with a ponnada at the function presided over by Dr. Sunny Joseph, Principal. Dr. Davis Xavier, Head, Department of Malayalam, offered felicitations. A ganamela was also organised in which Sri. Sreekumaran Thampi's lyrics were sung.

### **All India Inter-University and South Zone Inter-University Volleyball (Men) Championship 2016-17**

The All India Inter-University and South Zone Inter-University Volleyball (Men) Championship 2016-17 was jointly organised by the College and Mahatma Gandhi University, Kottayam from 2 to 12 December 2016. The grand event was inaugurated by Prof. C. Ravindranath, Hon'ble Minister for Education, Govt. of Kerala, at a function presided over by Sri. K. M. Mani MLA. H. E. Mar Joseph Kallarangatt, Bishop of Palai and Patron of the College, delivered the words of blessing. The meeting was attended by a number of dignitaries including Dr. Babu Sebastian, Vice Chancellor, Syndicate Members and high officials of Mahatma Gandhi University. In the championship 79 University teams from all over India participated. Altogether there were 948 players, 158 team members, 52 officials and 179 volunteers who made the event a memorable one. Kurukshetra University (Haryana), Bharathiar University (Coimbatore), Mahatma Gandhi University (Kottayam) and Panjabi University (Patiala) respectively won the first four positions. In the valedictory session presided over by Sri. Jose K. Mani M. P., Sri. M. M. Mani, Hon'ble Minister for Electricity, Government of Kerala, distributed prizes to the winners of the championship.

### **Irom Sharmila Visits the College**

Ms. Irom Sharmila, crusader against AFSPA and civil rights activist known as the 'Iron Lady of Manipur', visited the college under the auspices of the Department of Politics. She interacted with the staff and students of the College and planted a sapling in the college compound.

### **New Faculty members were appointed**

The faculty of the College has been further strengthened by the joining of the following Assistant Professors, appointed during 2016-17.

- Dr. Suvarnini Devi E - Dept. of Sanskrit
- Dr. Dinimol N. D. - Dept. of Hindi
- Fr. Abin Jose Pallackal - Dept. of Syriac
- Dr. (Sr.) Seena Mathew - Dept. of Physics

The following Assistant Professors have also joined the College by transfer from Deva Matha College, Kuravilangad

- Fr. Mathew Alapattumedayil - Dept. of English
- Fr. Salvin K. Thomas - Dept. of Malayalam

The College community warmly welcomes these teachers and hope that they will enrich campus life through their sincere and dedicated service.

### **Collaborative Research Projects by PG Students**

The students of II M.Sc. Botany undertook a project titled 'Study on the critical habitats of Western Ghats: Myristica swamp forest, Idukki Wildlife Sanctuary' in collaboration with the Forest and Wildlife Department, Govt. Kerala. The students of II M.Sc. Statistics undertook a



project titled ‘Current estimation and productivity of coconut in Kottayam District for the year 2016-17’ funded by Coconut Development Board, Govt. India.

### **National/International Seminars/Conferences/Workshops**

#### **National Seminar on Translation**

As part of Hindi Translation and Documentation Programme, a one-day National Seminar was organised by the Department of Hindi on the topic ‘The Prospects of Translation in Multimedia’ on 22 February 2017. The chief resource persons were Dr. Seema Chandran, Assistant Professor, Central University, Kasaragode and Dr. Herman P.G., Assistant Professor, Calicut University. The purpose of the seminar was to inculcate research aptitude and employability skills among the students.

#### **National Workshop on Experimental Physics**

A national level workshop on ‘Experimental Physics’ for college teachers was organized by the Department of Physics from 29 June to 2 July 2016. 36 teachers from all over the country participated in the programme. The theoretical framework of the experiments was discussed on the first day of the workshop, followed by their hands-on training on the remaining 3 days. The workshop was conducted in association with the Academy of Physics Teachers Kerala and co-sponsored by Mahatma Gandhi University, Kottayam. Dr. Ison V. Vanchipurackal was the resource person and organizing secretary of the workshop.

#### **Seminar on Demonetisation 2016**

Dr. P. J. Thomas Centre for Social Sciences Research of the College organised a state-level seminar on ‘Demonetisation 2016: Dynamics and Ramifications’ on 22 February 2017. Sri. P. C. Cyriac IAS (Former Additional Chief Secretary, Tamil Nadu) inaugurated the seminar at a meeting presided over by Dr. Sunny Joseph, Principal. Prof. P. S. Mathew (Former Head, Dept of Economics) delivered the keynote address. Prof. Bobby Simon presented a retrospect on the late Dr. P. J. Thomas, Economic Adviser to Govt. of India and the first Principal of the College. There were also two academic sessions with presentations by the faculty and students on topics related to demonetisation.

#### **Seminar on English Literature**

On 5 September 2016, an International Seminar was organized by the Department of English on ‘Probing Alterities in the Postmodern Scenario’. Dr. Clara A.B. Joseph of Calgary University, Canada, led the discussions on the subject.

#### **Seminar on Hindi Literature**

A seminar was organised by the Department of Hindi on the topic ‘Re-Reading of Hindi Mystical Poems’ on 5 January 2017. The chief resource person was Rev. Dr. M D Thomas, the Icon of India Award winner and former Director of CBCI Commission for Religious Harmony. The purpose of the seminar was to create a special aptitude among students towards Hindi language and literature.

#### **Prof. M. T. Thariyan Endowment Lecture 2017**

Prof. M. T. Thariyan Endowment Lecture 2017 was delivered by Sri. K. M. Mani MLA, former Minister for Finance and Law, Govt. of Kerala, on the topic ‘Union Budget, Demonetisation and the Impact on Co-operative Sector’, on 16 February 2017. He also distributed scholarships to meritorious students at the meeting organised by the Political Science Association and presided over by Dr. Sunny Joseph, Principal.



### **Panel Discussion on BREXIT and the Future of the Idea of Europe**

A Panel Discussion on the topic 'BREXIT and the Future of the Idea of Europe' was organised by the Department of Politics on 5 August 2016. The panellists were : Prof. Chandran Komath (Govt. College, Kottayam), Prof. Dawson D'Souza (Maharajas College, Ernakulam), Dr. Anil Kumar (University College, Trivandrum) and Dr. Mathew Varghese (Research Fellow).

### **Training Programme on R Programming, SAS and SPSS**

A two-day training program on R Programming, SAS and SPSS was organized by the Department of Biostatistics during 11-12 March 2017 in collaboration with St. John's Medical College, Bangalore. The resource persons were Ms. Nivya George and Ms. Irene Elizabeth Joy from St. John's Research Academy, Bangalore.

### **Seminar on the Importance of Environmental Conservation**

A one-day seminar on the 'Importance of Environmental Conservation and Indian Tradition' was organized by the Department of History in collaboration with the Heritage Society, Pala, on 18 October 2016. Dr. Sunny Joseph, Principal, inaugurated the meeting which was presided over by Sri. George Thomas Kottukappally. Prof. Mathew Vannisseri was the key speaker of the session. Rev. Dr. James John Mangalathu and Adv. Jose Kachiramattom proposed the welcome address and vote of thanks respectively.

### **National Workshop on Biostatistics for Medical Research**

A National Workshop on 'Biostatistics for Medical Research' was organized by the Department of Biostatistics in collaboration with ISMS during 11-12 December 2016. The resource persons were Dr. Anil C. Mathew, PSGIMSR, Coimbatore, and Dr. Kalesh M.Karun, Manipal University, Mangalore.

## **Invited Lectures Delivered by Experts**

### **Department of Economics**

1. Sri. T. C. Mathew (Senior Associate Editor, *Deepika*) delivered an invited lecture on the topic 'Goods and Service Tax 2016' on 7 September 2016.
2. Rev. Dr. Pius Malekandathil (Professor, Centre for Historical Research, Jawaharlal Nehru University, New Delhi) delivered an invited lecture on the topic 'Economic History and the Polity in Medieval Kerala' on 14 December 2016.

### **Department of Biotechnology and Applied Microbiology**

1. Dr. Jijo Mathews (Latrobe University, Australia) delivered an invited lecture on 'Neurotransmitters' on 19 May 2016.
2. Dr. Merlin Antony (School of Biosciences, M. G. University, Kottayam) delivered an invited talk on 'Advances in Molecular Biology' on 30 June 2017.
3. Dr. Radhakrishnan E. K. (School of Biosciences, M. G. University, Kottayam) delivered an invited talk on 'Microbiome' on 5 December 2016.

### **Department of Malayalam**

1. Dr. P. N. Vijayappan (Former Head, Department of Malayalam, Thunjath Ezhuthachan

Malayalam University, Tirur) delivered the Thunjath Ezhuthachan Memorial Lecture on 24 October 2016.

2. Dr. Muhammed Basheer (Former Professor, PSM College, Thirurangadi) delivered an invited lecture on 'Mohiyuddin Mala and Mappilappattukal' on 1 January 2017.

#### **Department of Statistics**

1. Dr. M. R. Sreenivasan, (Professor and Head, Department of Statistics, University of Madras) delivered an invited lecture on the topic 'Outliers in Multivariate Data' on 22 August 2016.
2. Ms. Sangeetha Jose (Assistant Advisor, Reserve Bank of India, Mumbai) delivered an invited talk on 'Banking Sector Reforms' on 27 October 2016.

#### **Department of Physics**

1. Dr. George Varghese (Director, Kerala State Council for Science, Technology and Environment, Govt. of Kerala) delivered an invited lecture on 'Gravitational Waves'.
2. Prof. P. Pradeep (National Institute of Technology, Calicut) delivered an invited talk on 'Solar Cells - Basic Principles'.

#### **UGC - Sponsored Invited Lectures for the Promotion of Ethics and Human Values**

The Department of Politics organised a series of 'Invited Lectures for the Promotion of Ethics and Human Values' under the UGC Scheme of Human Rights Education as detailed below.

<i>Topic</i>	<i>Speaker (s)</i>	<i>Date</i>
Contemporary Politics and Questions of Ethical Citizenship	1). Dr. P. Sanal Mohan(School of Social Sciences, Mahatma Gandhi University) 2) Sri. Anish R. (Centre for Historical Research,Jawaharlal Nehru University, New Delhi)	12-8-2016
Critical Reflections on Recent Concerns in Indian Nationalism: A Dalit Perspective	Sri. Sunny M. Kapikad Dalit scholar and writer)	30-9-2016
Nationalism, Religion and Politics in India : Contemporary Debates	Dr. Vijesh T. P. (NSS College, Ottappalam)	30-9-2016
Migration and Malayali Diaspora	Sri. Benyamin(Writer)	27-10-2016
No Human is Illegal	Sri. Saji Markose(Ministry of Housing, Govt. of Bahrain)	27-10-2016
Fourth Estate and Human Rights	Dr. Ligimol P. Jacob (Department of Communication and Journalism, Mahatma Gandhi University)	2-11-2016
Redefining Gendered Notions of Sexuality	Mx. Sheetal Syam(LGBTQ Activist)	30-01-2017
Social Orientation and Gender Identity (SOGI) Inclusion	Dr. Jijo Kuriakose (Founder Member, Queerla)	30-01-2017

Prof. Sijo Mathew co-ordinated the lecture series.

### Academic and Research Activities by the Faculty

Activity	Details
Patent	Two applications for Patents have been filed by Dr. Ison V Vanchipurackal and Dr. Ratheesh M
Minor Projects	A minor project is sanctioned to Dr. P J Benny, Department of Zoology
Major Projects	There Four Major Research Projects which has been completed/ongoing
Paper Publication	A Total of 40 Research Papers were published
Paper Presentation in Seminars/Conferences/Workshops	21 Research Papers were presented by the Faculty Members in various Seminars/Conferences/Workshops
Seminar/ Conference Participation	13 Seminar/Conference/ Workshop Participation by various faculty members
Invited Talks delivered	19 invited talks were delivered by our faculty members across various institutions
Membership in Various Bodies	The number of participation in UG/PG BoS of various Universities /Autonomous Colleges – 51

### Teachers in Board of Studies/Academic Council

Name of teacher	Name of the body in which full time teacher participated
Dr. K M Kurian	Chairman, UG Board of Studies in Statistics, Mahatma Gandhi University, Kottayam
Dr. K M Kurian	Convener, Expert Committee in Biostatistics(PG), Mahatma Gandhi University, Kottayam
Dr. Sunny Joseph	Chairman, PG Board of Studies in Commerce, Mahatma Gandhi University, Kottayam
Sri. Jogy Alex	Member - Academic Council, Rajagiri College of Social Sciences(Autonomous)
Sri. Libin Kuriakose	Member- Faculty of Technology and Applied Sciences, Mahatma Gandhi University
Sri. Tommy Thomas	Member, Academic Council, Assumption College, Changanassery(Autonomous)
Dr. Sunil C Mathew	Member, Board of studies in Mathematics, Assumption College, Changanassery(Autonomous)
Dr. K M Kurian	Member, Board of studies in Mathematics, Assumption College, Changanassery(Autonomous)
Dr. Ison V Vanchipurackal	Member, Board of Studies in Physics and Computer Applications, St. Joseph's College, Devagiri(Autonomous)
Dr. Ison V Vanchipurackal	Member, Board of Studies in Physics, Sacred Heart College, Thevara(Autonomous)

Dr. Sunny Kuriakose	Member, Board of studies in Polymer Chemistry, Cochin University of Science and Technology, Kochi
Dr. Sunil C Mathew	Member, Board of studies in Statistics, CMS College, Kottayam(Autonomous)
Dr. Seemon Thomas	Member, Expert Committee in Biostatistics(PG), Mahatma Gandhi University, Kottayam
Dr. V K Jose	Member, Expert Committee in Subjects having no BoS, Mahatma Gandhi University, Kottayam
Sri. Manuel Joseph	Member, Faculty of Science, Mahatma Gandhi University, Kottayam
Dr. V T Thomas	Member, Faculty of Science, Mahatma Gandhi University, Kottayam
Dr. Sunny Kuriakose	Member, Faculty of Science, Mahatma Gandhi University, Kottayam
Dr. K M Kurian	Member, Faculty of Sciences, Mahatma Gandhi University, Kottayam
Sri. Manuel Joseph Panavelly	Member, Faculty of Sciences, Mahatma Gandhi University, Kottayam
Dr. Raj Mathew	Member, Faculty of Sciences, Mahatma Gandhi University, Kottayam
Dr. Sunny Kuriakose	Member, PG Board of Studies in Chemistry, Mahatma Gandhi University, Kottayam
Sri. Manuel Joseph Panavelly	Member, PG Board of Studies in Mathematics, Mahatma Gandhi University, Kottayam
Dr. Raj Mathew	Member, PG Board of Studies in Mathematics, Mahatma Gandhi University, Kottayam
Dr. K M Kurian	Member, PG Board of Studies in Statistics, Mahatma Gandhi University
Sri. Tommy Thomas	Member, Syllabus Revision Committee, Mahatma Gandhi University, Kottayam
Dr. Sunny Mathew	Member, UG Board of Studies in Electronics, Mahatma Gandhi University, Kottayam
Dr. Simon Augustine	Member, UG Board of Studies in Physics, Mahatma Gandhi University, Kottayam
Dr. Sunny Mathew	Member, UG Board of Studies in Physics, Mahatma Gandhi University, Kottayam
Sri. Amal Jose Baby	Member, UG Chemistry Syllabus Restructuring, Mahatma Gandhi University, Kottayam
Sri. Jithin Prakash P A	Member, UG Chemistry Syllabus Restructuring, Mahatma Gandhi University, Kottayam
Sri. Manjesh Mathew	Member, UG Chemistry Syllabus Restructuring, Mahatma Gandhi University, Kottayam
Dr. Sunny Kuriakose	Member, UG Chemistry Syllabus Restructuring, Mahatma Gandhi University, Kottayam
Dr. Thomas V Mathew	Member, UG Chemistry Syllabus Restructuring, Mahatma Gandhi University, Kottayam

Sri. Libin Kuriakose	Member, UG Physics Syllabus Restructuring, Mahatma Gandhi University, Kottayam
Sri. Augustine J Edakkara	Member, UG Physics Syllabus Restructuring, Mahatma Gandhi University, Kottayam
Dr. Shajimon K Mathews	Member, Academic Council, Mahatma Gandhi University, Kottayam
Dr. K K Jose	Member, Board of Studies, Statistics, CMS College Kottayam
Dr. Davis Xavier	Member, Board of Study for Oriental Languages, Assumption College, Changanassery (Autonomous)
Dr. Sunny Joseph	Member, Faculty of Commerce, Mahatma Gandhi University, Kottayam
Dr. V V Georgekutty	Member, Faculty of Commerce, Mahatma Gandhi University, Kottayam
Sri. P J Johnson	Member, Faculty of Language and Literature, Mahatma Gandhi University, Kottayam
Dr. Siby James	Member, Faculty of Language and Literature, Mahatma Gandhi University, Kottayam
Fr. N V Joseph	Member, Faculty of Language and Literature, Mahatma Gandhi University, Kottayam
Dr. Baby Thomas	Member, Faculty of Language and Literature, Mahatma Gandhi University, Kottayam
Dr. Shajimon K Mathews	Member, Faculty of Social Sciences, Kannur University, Kannur
Dr. Shajimon K Mathews	Member, Faculty of Social Sciences, Mahatma Gandhi University, Kottayam
Sri. Joseph J Mattam	Member, PG Board of Studies in Economics, Mahatma Gandhi University, Kottayam
Dr. Thomas Scaria	Member, PG Board of Studies in Malayalam, Mahatma Gandhi University, Kottayam
Dr. Shajimon K Mathews	Member, PG Board of Studies in Political Science, Mahatma Gandhi University, Kottayam
Fr. Mathew Kurian	Member, PG Board of Studies in Political Science, Mahatma Gandhi University, Kottayam
Dr. K C Biju	Member, UG Board of Studies in Economics, Mahatma Gandhi University, Kottayam

**Dr. Sebastian George Awarded P. K. Sen Distinguished Visiting Professorship by University of North Carolina, USA**

Dr. Sebastian George, Associate Professor in the Department of Statistics, was awarded P. K. Sen Distinguished Visiting Professorship in Biostatistics at Gillings School of Global Public Health of the University of North Carolina (UNC), USA. Dr. Sebastian George, who is also an adjunct professor in the Biostatistics Department at Christian Medical College in Vellore, was at the Gillings School during August - December 2016 conducting research, teaching, and interaction with Gillings School faculty members and students as well as the broader UNC community.

## Research Publications by Faculty

### Department of Biostatistics

1. K. K. Jose, Deepesh Bhati and Savitri Joshi (2017), Estimation of change points in the hazard rates of Lindley lifetime distribution under right censoring. *Communications in Statistics: Computation and Simulation*. 46, 5, 3563 - 3574.

### Department of Commerce

1. Tejil Thomas, A model showing factors influencing customer satisfaction in retail banking services of Kerala: A SEM Approach, *International Journal of Management Research and Business Strategy*, ISSN 2319-345X, Vol. 5, No.3 (July 2016) pp. 128-142
2. Babu Jose, Weak Form Efficiency of Indian Stock Market: An Empirical Analysis, *International Journal of Research in Commerce & Management*, Volume No. 8, Issue No. 05 (May 2017), pp 80-85.

### Department of Biotechnology and Applied Microbiology

1. Reshma Mohan et al. Aggressiveness of certain *Corynespora cassicola* isolates causing *corynespora* leaf fall disease of *Hevea brasiliensis* in relation with pathogenicity and toxin production, *Rubber Science*, Feb. 2016.

### Department of Computer Science and Commerce

1. K. V. Thomas, Opportunity to use and develop human capacities as a measure of quality of work life among officers of commercial bank, *International Journal of Business Administration*. Vol 1, Issue 16; December 2016.
2. K. V. Thomas, The Effect of Talent Management Practices on Organizational Performance in IT Sector, *Journal of Commerce and Business Research*, University Kerala (2016).

### Department of Physics

1. Deepu Thomas, Simon Augustine, K. K. Sadasivuni, D. Ponnamma, Microtron irradiation induced tuning of band gap and photoresponse of Al-ZnO thin films synthesized by mSilar, *Journal of Electronic Materials*, 2016.
2. Jobin Job Mathen, J. Madhavan, Ajith Thomas, Augustine J. Edakkara, Jose Sebastian, Ginson P. Joseph, Transparent ZnO- PVA binary composite for UV-A photodetector: Optical, electrical and thermal properties followed by laser induced fluorescence, *Journal of Materials Science - Materials in Electronics* DOI- 10.1007/s 10854-017-6400-1,2017.
3. Mathen, J.J., Thomas, A., Edakkara, A.J., Sebastian J., Madhavan J. and Joseph G.P., Fabrication of Al deposited sandwich capacitor structure with CdSe/PVA dielectric thin film by spin coating technique for high power applications: Synthesis and characterizations *J Mater Sci: Mater Electron* (2017) 28, 7544.
4. Mathen, J.J., Madhavan, J., Thomas, A., Edakkara, A.J., Sebastian J. and Joseph G.P., Transparent ZnO- PVA binary composite for UV-A photodetector: optical, electrical and thermal properties followed by laser induced fluorescence, *J Mater Sci: Mater. Electron*. (2017) 28, 7190.
5. A.Thomas, D., Vijayalakshmi. K. A., Mathen J. J., Augustine, S., Ponnamma, D., Sadasivuni, K. K. and Cabibihan, J. J.,Microtron irradiation induced tuning of dielectric properties of nano ZnO-natural rubber disks, *Polymer Bulletin*. 2017, 74, 4989.
6. Arunasree J.S., Nair Preethiaka Suresh, Sujesh S., Vaishnav K.P , Vishnu, Vishnu S., Malini Prabhakaran, V.V. Ison and C.O. Sreekala, Surface modified lead sulfide quantum dots for in vitro imaging of breast cancer cells adopting confocal Raman Spectroscopy, *Int. J. Chemical Sciences*, 2016, 14, 1844.



### Department of Chemistry

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2. Sunny Kuriakose and Rekha Sree, Alkali salts of heteropolytungstate: Efficient catalysts for the synthesis of biodiesel from edible and non-edible oils, *Journal of Energy Chemistry*, 24, 87-92, 2016.
3. Sunny Kuriakose, Bovine Serum Albumin stabilized Silver Nanoparticles: Synthesis, characterisation and antibacterial studies, *IOSR Journal of Pharmacy and Biological Sciences*, 10(3), 19-25, 2016.
4. Sunny Kuriakose, Sheena Varghese and Soumya Jose, Synthesis, Characterisation and Antifungal Activity of Carbon Nanoparticle-Beta-Cyclodextrin Aggregates against *Aspergillus* Species, *European Journal of Biomedical and Pharmaceutical Sciences*, Vol. 2, 486494, 2016.
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### Department of Economics

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2. Biju K.C., Micro Finance Initiatives of the Government and NGOs in Kerala: An Impact Assessment, *Southern Economist*, Vol. 55, No. 12, October 15, 2016.

### Department of Statistics

1. Devika S., Sebastian George and Jeyaseelan L. (2016) Application of Esscher Transformed Laplace Distribution in Micro-array Gene Expression Data. *Journal of Modern Applied Statistical Methods*.

### Department of Botany

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2. S. John Britto, Bince Mani, S. Thomas and S. Prabhu (2017) A new subspecies of *Celastrus* (Celastraceae) from the Palani hills of South India. *Taiwania* 62(3): 311-314.
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5. Thomas S, Mani B. (2016) Chemical Composition, Antibacterial and Antioxidant Properties of Essential Oil from the Rhizomes of *Hedychium forrestii* var. *palaniense* Sanoj and M. Sabu. *Indian Journal of Pharmaceutical Sciences.* 78(4):452-457.
6. P. P. Shajitha, N. R. Dhanesh, P. J. Ebin, Laly Joseph, Aneesha Devassy, Reshma John, Jomy Augustine, Linu Mathew. 2016 Molecular Phylogeny of Balsams (Genus *Impatiens*) Based on ITS Regions of Nuclear Ribosomal DNA Implies Two Colonization



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7. E.J. Josekutty, P. Biju & Jomy Augustine, *Strobilanthes malabarica* (Acanthaceae), a new species from South Western Ghats, India. *Webbia: Journal of Plant Taxonomy and Geography*, 2016.
8. Biju P., Josekutty E. J., Muhammed Haneef K. A and **Jomy Augustine**, *Nymphoides Balakrishnanii* Sp. Nov. (Menyanthaceae), A New Species from the Lateritic Plateau of Southern Western Ghats, India. *International Journal of Advanced Research* (2016), Volume 4, Issue 7, 799-803.
9. P Biju, E.J. Josekutty and A. Jomy, *Blyxa kasaragodensis*, a new species of Hydrocharitaceae from the ponds in the laterite plateau of Malabar coast, Kerala, India. *Journal of Plant Taxonomy and Geography*, 2016 . Vol. 71, No. 1,61-67.
10. P. P Shajitha, N. R. Dhanesh, P J. Ebin, Laly Joseph, Aneesha Devassy, Reshma John, Jomy Augustine, Linu Mathew. 2016. A combined chloroplast atpB-rbcL and trnL-F phylogeny unveils the ancestry of balsams (*Impatiens* spp.) in the Western Ghats of India *3 Biotech* (2016) 6:258.
11. E.J. Josekutty, P Biju, J. Augustine, 2017. Notes on the extended distribution of two threatened species of *strobilanthes blume* (Acanthaceae) in Kerala, India. *Journal of Threatened Taxa* 01/2017; 9(5):10236- 10239.
12. Punnakot Biju, Elayanithottathil Joseph Josekutty, Koolikkunnu Abdul Razak Muhammed Haneef and Jomy Augustine, 2016. A new species of *Nymphoides* Seguiet (Menyanthaceae) from the lateritic plateau of South India, *Taiwania* 61(3): 218 220.
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#### **Department of Zoology**

1. Evaluation of uttroside B, a saponin from *Solanum nigrum* Linn, as a promising chemotherapeutic agent against hepatocellular carcinoma, Lekshmi R. Nath, Jaggaiah N. Gorantla, Arunkumar T. Thulasidasan, Vinod Vijayakurup, Shabna Shah, Shabna Anwer, Sophia M. Joseph, Jayesh Antony, Kollery Suresh Veena, Sankar Sundaram, Udaya K. Marelli, Ravi S. Lankalapalli and Ruby John Anto, *Scientific Reports*, 2016.
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3. A review of pharmacognostical studies on *Moringa olerifera* lam flower, Tom Mathew K and Benny P. J, *Pharmacogn J*, Vol.8 (6), 2016.
4. Flowers with antibacterial property- A survey in Meenachil Taluk, Tom Mathew K and Benny P. J, *Journal of Pharmaceutical, Chemical and Biological Sciences*, June-August 2016, 4(2), p 252-261.
5. A Review of Phytopharmacological Studies on Some Common Flowers, Tom Mathew K and Benny P. J, *International Journal of Current Pharmaceutical Review and Research*; April 2016 7(3); 171-180.
6. A Melopathically active flavonoid Quercetin from *Garcinia gummi-gutta* (L.) Robs. Var.

*gummi-gutta*- A Potential natural bioherbicide, Dhanya. P and Benny P. J, *International Journal of Advanced Multidisciplinary Research*, Vol.3, Issue 8, 2016.

7. Allelopathic effects of *Flacourtia inermis* on seed germination of selected crop plants found in India, Shelmi Antony, Benny P. J., *International Journal of Advances in Science, Engineering and Technology (IJASEAT)* Volume-4, Issue -4, 2016 [Print ISSN-2321 -8991].

## **Papers Presented at International / National Seminars/ Conferences / Workshops**

### **Department of Chemistry**

1. Sherin Philip and Sunny Kuriakose; Synthesis, Characterization and Antibacterial Activity of Zero- valent Iron Nanoparticles Synthesized by Green Protocols Using *Murraya koenigii* Extract, Proceedings of the UGC Sponsored National Seminar on Green Chemistry for Environmental Sustainability, 07-08 February 2017, Bharata Mata College, Thrikkakara.

### **Department of Zoology**

1. Allelopathic effect of *Syzygium malaccense* on seed germination of selected crop plants found in India, Shelmi Antony, Benny P. J., Proceeding of International Symposium on Recent Trends in Social Science, Environment and Biology, p. 51-54 (ISBN: 9788192958040)
2. Allelopathic effects of *Flacourtia inermis* on seed germination of selected crop plants found in india, Shelmi Antony, Benny P. J., Proceedings of IRF International Conference, pp: 33 -35, (ISBN: 978 - 93-85832-29-1).
3. Evaluation of Tryptanthrin as an effective chemosensitizer for Dacarbazine chemotherapy against malignant melanoma, Minakshi Saikia, Jayesh Antony, Shabna A and Ruby John Anto, International Conference on Nutraceuticals, Cochin, Kerala, India, 9-11 September 2016.

### **Department of Physics**

1. Sunil C Vattappalam, Deepu Thomas, Simon Augustine and Sunny Mathew: Enhancement in LPG sensitivity of Al-ZnO by electron irradiation, Second International Conference on Materials Science and Technology-ICMST2016, 5-8 June 2016, St Thomas College, Pala.
2. Deepu Thomas, Simon Augustine and KA Vijayalakshmi: Effect of electron beam irradiation on structural, optical and photoconducting properties of Sn-ZnO thin film synthesized by mSILAR, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
3. Thomas, A. E. Tom, and V. V. Ison: Role of oleic acid solvent-additive in P3HT:PCBM bulk heterojunction solar cells, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
4. E. Tom, A. Thomas, V. V. Ison: Synthesis of monodisperse PbS quantum dots using organo-metallic procedures employing a specially designed temperature probe, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
5. Sreekanth G, S Chandraligam and Ginson P. Joseph: Investigations on the electrical, structural and piezoelectric properties of BTCC single crystals, Second International

Conference on Materials Science and Technology- ICMST 2016, 5-8 June 2016, St Thomas College, Pala.

6. Santhosh Kumar R, S Chandraligam and Ginson P. Joseph: Effect of electron beam irradiation on the optical thermal and dielectric properties of Manganese Mercury Thiocynate single crystals, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
7. Bitto John, Prince Thomas and Ginson P. Joseph: Optical, Thermal and Electrical studies of Zinc Thiourea Sulphate (ZTS) Single Crystals, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
8. Prince Thomas, Bitto John and Ginson P Joseph: Effect of Electron Beam Irradiation on the Optical, Thermal and Dielectric Properties of L-Histidine Hydrochloride Monohydrate Single Crystals, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
9. Augustine J. Edakkara, Jobin Job Mathen, Nelson Kuriakose and Ginson P Joseph: ZnS reinforced Poly aniline composite membranes: Synthesis and characterizations, Second International Conference on Materials Science and Technology- ICMST 2016, 5-8 June 2016, St Thomas College, Pala.
10. Jobin Job Mathen, Augustine J. Edakkara, Nelson Kuriakose, Ginson P. Joseph and J Madhavan: Synthesis, optical and dielectric properties of poly (vinyl alcohol)/ZnO nanocomposite films, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
11. Nelson Kuriakose, Augustine J. Edakkara, Jobin Job Mathen, Joby Sebastian and Ginson P. Joseph: Synthesis, electrical and thermal properties of ZnS based epox nanocomposites, Second International Conference on Materials Science and Technology- ICMST2016, 5-8 June 2016, St Thomas College, Pala.
12. Joby Sebastian, Augustine J. Edakkara, Jobin Job Mathen, Nelson Kuriakose and Ginson P. Joseph: Effect of ZnSe on the electrical, thermal and optical properties of Acrylonitrile Butadiene Rubber(NBR) Second International Conference on Materials Science and Technology- ICMST 2016, 5-8 June 2016, St Thomas College, Pala.

#### **Department of History**

1. Rev. Dr. James John presented a seminar paper on the Synod of Diamper and the Consequent Socio-Cultural Changes in Malabar at the LRC National Seminar held at Mount St. Thomas, Kakkanad during 7-9 March 2017.

#### **Department of Commerce**

1. Dr. Babu Jose presented a paper on 'Weak form efficiency of Indian stock market' in the Indian Finance Conference, held at IIM-Ahmadabad during 19-21 December 2016.

#### **Department of Economics**

1. Prof. Joben K. Antony presented a paper in the International Conference on Triple Bottomline Sustainability organised by DePaul University Chicago and DePaul Institute of Science and Technology, Angamaly, from 19-20 December 2016.
2. Prof. Roberse Thomas presented a paper at the National Seminar on "Indian fiscal

system - fiscal consolidation and inclusive growth” organised by St. George's College, Aruvithura. The paper title was “Sustainability of Fiscal Deficit in India”.

3. Prof. Trace Benny presented a paper at the National Seminar on “Indian fiscal system - fiscal consolidation and inclusive growth” organised by St. George's College, Aruvithura. The paper title was “Revenue led fiscal consolidation: Kerala's way ahead”.

### Collaborative quality initiatives with other institution(s)

- **Department of Mechanical and Industrial Engineering, Qatar University and Center for Advanced Materials, Qatar University**, Collaborative Research resulted in the paper entitled "*Microtron irradiation induced tuning of band gap and photoresponse of Al-ZnO thin films synthesized by mSILAR*" published in *Journal of Electronic Materials*, 45(10) (2016) 4847- 4853.
- **Department of Mechanical and Industrial Engineering, Qatar University and Center for Advanced Materials, Qatar University**, Collaborative Research resulted in the paper entitled "*Microtron irradiation effects on the dielectric properties of ZnO–natural rubber disk*" published in *Polym. Bull.*,(DOI 10.1007/s00289-017-1998-y).
- **KISCO Career Heights, Pala**, Seminar on Career Prospects for Students of Department of Mathematics
- **Brain Script Technology Solutions Pvt. Ltd., Kochi**, Seminar on Big Data Analysis for Students of Department of Mathematics
- **Mahatma Gandhi University, Kottayam**, South Zone & All India Inter University Volleyball Championship
- **Kerala Forest & Wildlife Department, Idukki**, Bird & Butterfly Survey by Department of Botany

### Teachers who attended Refresher/Orientation/Faculty Development Programmes

Name of teacher	Title of the program	Dates
Binoy Chacko	UGC Sponsored Refresher Course in Commerce & Studies	10-11-2016 to 30-11-2016
Siju Joseph	UGC Sponsored Refresher Course in Comparative Indian Literature	18-10-2016 to 07-11-2016
Princemon Jose	UGC Sponsored Orientation Programme	04-11-2016 to 01-12-2016
Soumya Jose	UGC Sponsored Orientation Programme, UGC-Human Resource Development Centre, University of Kerala	10-08-2016 to 06-09-2016
Sajeev Martin George	UGC Sponsored Orientation Programme, UGC-Human Resource Development Centre, University of Kerala	04-01-2017 to 31-01-2017
Babu Jose	Three Days Induction Training programme - FLAIR, Govt. of Kerala at Loyola Extension Centre, Trivandrum	06-10-2016 to 08-10-2016.

Babu Jose	Two Day Training on Mind set and mind Engineering - Flair, Govt. of Kerala, at Loyola Extension Centre, Thiruvanthapuram	18-11-2016 to 19-11-2016
Joben K Antony	Faculty Development Programme, Sree Sankara College, Kalady	16-06-2016 to 14-06-2018
George Joseph	Faculty Development Programme, Kannur University	02-11-2016 to 01-11-2018
Boby P Mathew	Orientation Programme, UGC-Human Resource Development Centre, University of Calicut	19-10-2016 to 15-11-2016
Thomas V Mathew	Science Academies Refresher Course in Quantum Mechanics	01-05-2017 to 14-05-2017
Libin Kuriakose	Faculty Development Programme	16-08-2016 to 15-08-2018

### **Degrees Awarded to the Faculty**

- Mr. Bince Mani, Assistant Professor, Department of Botany and Mr. Sijo K Manuel, Department of Political Science were awarded Ph.D.s during the academic year.
- Prof. Tinchu P James, Assistant Professor, Department of Political Science was awarded M. Phil. Degree in Politics by the University of Kerala.
- Dr. Tejil Thomas, Assistant Professor, Department of Commerce secured first rank with gold medal in Master of Tourism Management (MTM) from Indira Gandhi National Open University (IGNOU), New Delhi.

### **Recognitions won by Faculty**

- Dr. Jomy Augustine, Head, Department of Botany was identified as an expert in wildlife Management and Planning by the Ministry of Environment and Forests, Government of India.
- Prof. Mathew Thomas, Assistant Professor, Department of Zoology was awarded with a Certificate of Appreciation for his three years of meritorious service as NSS Programme Officer, by the Mahatma Gandhi University, Kottayam.
- Dr. Sajeev Martin George, Assistant Professor, Department of Chemistry and Dr. Babu Jose, Assistant Professor, Department of Commerce were selected for one month FLAIR International Internship Programme in United Kingdom, by the Department of Higher Education, Government of Kerala.
- Prof. Ashish Joseph (Asst. Professor, Dept. of Physical Education) won the award for the Best Physical Education Teacher in the Colleges of Kerala State, instituted by the Kerala State Sports Council. The award was in recognition of his vibrant guidance of sports and games activities and especially in appreciation of his dynamic leadership and initiative in the commencement of the UGC innovative programme - B. Sc. Recreation, Leisure and Sports Studies.
- Dr. Ginson P. Joseph (Asst. Professor, Department of Physics) was awarded Commonwealth Professional fellowship to visit the School of Engineering, Robert Gordon University, Scotland, UK.

### Pass Percentage of Students

Program Name	Program Code	Number of students appeared in the final year examination	Number of students passed in the final year examination
BA English Language & Literature	BAEN	34	28
BA Malayalam Language & Literature	BAMA	30	17
BSc Mathematics	BSMA	31	28
BSc Physics	BSPH	47	44
BSc Chemistry	BSCH	34	31
BSc Botany	BSBO	30	23
BSc Zoology	BSZO	20	14
BSc Recreation, Leisure & Sports Studies	BSRE	23	18
BA Economics	BAEC	47	36
BA History (Archaeology and Museology)	BAHI	20	11
BA Political Science	BAPS	48	18
BA English Literature and Communication Studies	BACE	25	21
BCA	BCAC	32	30
BCom (Finance and Taxation)	BCFT	57	52
BCom (Computer Applications)	BCCA	45	44
BVoc Food Processing Technology	BVFP	6	5
BVoc Sustainable Agriculture	BVSA	30	20
MA English	MAEN	22	18
MA Malayalam	MAMA	14	9
MA Hindi	MAHN	22	21
MSc Mathematics	MSMA	15	13
MSc Statistics	MSST	14	12
MSc Physics	MSPH	22	20
MSc Chemistry	MSCH	20	17
MSc Botany	MSBO	12	11
MSc Biostatistics	MSBS	15	15
MSc Applied Microbiology	MSAM	19	18
MSc Biotechnology	MSBT	14	8
MA Economics	MAEC	24	20
MA History	MAHI	11	9
MA Political Science	MAPS	24	21
MCom	MCOM	18	15
<b>Total</b>		<b>825</b>	<b>667</b>



## Socio-Cultural Activities

### ***Com Arena 10***

*Com Arena 10* is a grand annual inter-collegiate Commerce and Management festival conducted by the Department of Commerce of the College. The 10<sup>th</sup> edition of this festival was with the title sponsorship from Life Insurance Corporation of India (LIC). There were 10 exciting events and a participation of over 700 students from different states of India.

### ***Scientia 3 : Intercollegiate Science Quiz and Project Presentation Competitions***

The Department of Chemistry of the College organized an All Kerala Intercollegiate Science Quiz Competition *Scientia 3* for undergraduate and postgraduate students on 20 February 2017. The quiz competition was a grand success with the amazing participation of 33 teams from various arts and science and engineering colleges of Kerala. Dr. G. D. Gem Mathew, Associate Professor, Department of Chemistry, was the quiz master.

### ***Prof. Ramakrishna Pillai Memorial Problem Solving Contest***

The 15th All Kerala Prof. K. Ramakrishna Pillai Memorial Problem Solving Contest for undergraduate students in Statistics was held on 9 February 2017. 16 teams representing various colleges participated.

### ***Prof. Mathew T. Matheikal Intercollegiate Maths Quiz***

The Department of Mathematics organised the Prof. Mathew T. Matheikal Intercollegiate Mathematics Quiz Competition on 14 February 2017. Dr. Jineesh P. Joseph of Sacred Heart College, Thevara, was the quiz master. Eleven teams representing colleges from all over Kerala participated in the quiz competition.

### ***Prof. A. V. Varkey Memorial Intercollegiate Physics Quiz***

The third Prof. A. V. Varkey Memorial Intercollegiate Physics Quiz Competition was organised by the Department of Physics. Teams representing various colleges from all over Kerala actively participated in the quiz competition. Prof. Augustine J. Edakkara was the quiz master.

### ***Intercollegiate Zoology Fest – Fledge***

An intercollegiate Zoology fest “Fledge” was organized by the Department of Zoology of the College on 23 February 2017. The inauguration of the Zoology Fest was carried out by Dr. Benny P.J. (Head, Department of Zoology). A quiz competition and spot identification contest were conducted as part of the programme. 20 teams of two members each from different colleges competed in the quiz programme and 18 members participated in the spot identification contest. The quiz programme was led by Prof. Mathew Thomas and spot identification contest was led by Dr. Benny P.J.

### ***Eco-Fiesta 2017***

*Eco-Fiesta 2017*, an All Kerala Intercollegiate Economics Fest, was organised by the Economics Association of the College on 28 February 2017. The Fiesta was inaugurated by



‘4 Musics’, a music band consisting of four youngsters, at a meeting presided over by Dr. Sunny Joseph, Principal . Quiz, debate and poster designing were the major competitions of this Fiesta.

## Sports Profile

### Achievements by students

- Mr. Abhishek Rajeev (III B.Com.) & Mr. Sreehari S. (III B. A. History) represented the Indian University Volleyball Team which participated in the Federation Cup National Volleyball Championship held at Hyderabad.
- Mr. Arun Baby secured Silver Medal in Javelin Throw with a distance of 72 meters. He is the first person from M.G. University to win a medal in Javelin Throw in the All India Inter University Competition held at Anna University, Coimbatore.
- Mr. Rajesh B. (I B.A. Malayalam) secured Bronze medal in 400m, at the All India Inter University Swimming Competition held at Punjab University, Chandigarh
- Mr. Altaf G. S. won Bronze medal in 4x100 m Relay at the All India Inter University Athletic Championship held at Anna University, Coimbatore.
- Mr. Abhishek Rajeev, Mr. Sreehari S, Mr. John Baby & Mr. Akshay S, secured Bronze medal in the All India Inter University Volleyball Championship held at St Thomas College, Pala.
- Sri S. Manoj, Kerala State Sports Council coach deputed to our College, acted as the coach of the Indian University Men Volleyball Team which participated in the Federation Cup held at Hyderabad.
- Our alumnus Sri N.Pradeep, coach of the Indian swimming team, was felicitated at the College for receiving the Dhronacharya Award.

### Performance of the College at Inter-Collegiate Competitions

- St. Thomas College Men Volleyball team secured the First Place in the Mahatma Gandhi University Inter-Collegiate Tournament.
- St. Thomas College Men Swimming team secured the First Place in the Mahatma Gandhi University Inter-Collegiate Swimming and Water Polo Competition held at Kothamangalam.
- St. Thomas College Men Powerlifting team secured the First Place in the Mahatma Gandhi University Inter- Collegiate Competition.

### Overall Performance Record of the College

<i>Particulars</i>	<i>Total No.</i>
International representations	2
National medals	7
National representations	15
Intercollegiate & state medals	45
State participations	66
Total team participations in intercollegiate tournaments	17
All Kerala invitational tournaments won by college team in various events	8

## Student Welfare Programmes

### Career and Placement Cell (CPC)

- The CPC organized three placement drives in the campus and students were sent for different placement drives conducted at different colleges like Marian College, Kuttikkanam and Saint Gits College of Engineering, Kottayam.
- On 18 December 2016, Asim Premji Foundation visited the campus for conducting a drive for the post of teaching associates.
- On 27 March 2017, a placement drive was conducted under the auspices of the Department of Chemistry for the post of scientists in Anthem Biosciences, Bangalore.
- The internationally reputed pharmaceutical company Glaxo SmithKline (GSK) Ltd., Bangalore selected 3 M. Sc. Biostatistics students for a six month project with fellowship and further placement.
- Quintiles, Bangalore, also conducted campus interview and recruited 4 students for appointment as biostatisticians/programmers.
- A mini job fair named 'Disha 2017' was organized by the CPC on 28 January 2017 in association with Employability Centre, District Employment Exchange, Kottayam when 25 companies visited our campus on a single day to hire to more than 1500 reported vacancies in the private sector. In a meeting presided over by the Principal Dr. Sunny Joseph, Sri. Raju David, Regional Deputy Director, National Employment Services, inaugurated the job fair in the presence of Smt. Chandrika D., District Employment Officer, Employment Exchange, Kottayam. The job fair was supervised by Prof. James Varghese and Prof. Gibin Raja George, the co-ordinators of the CPC. It was open to the general public for participation and 258 candidates were selected and 553 were shortlisted from among the 1656 candidates who attended the interviews.
- A Total of 14 students were placed in different companies through campus placements.

### Extension and Outreach Programmes

#### Extension Programme for Migrant Labourers

The Department of Hindi organised an extension programme for labourers from different parts of the country working in Kerala. The members of the faculty had an open interaction with them and studied their problems in detail.

#### *Sastrapadham Science Magazine*

Seven issues of *Sastrapadham*, the popular science magazine in Malayalam for school children, were brought out under the initiative of the teachers of the College.

#### *Restone*

The zero waste eco-friendly initiative 'Restone' was inaugurated by distributing carry bags made from old shirts on 10 February 2017. It is a socially oriented programme initiated under Commerce Academic Social Responsibility Forum. Old shirts were collected by the students and converted into carry bags which were distributed to the public and those who were interested in using these cloth bags instead of plastic carry bags. Around 210 carry bags were distributed during the period 2016-17.

#### All Kerala Higher Secondary School Science Quiz

The All Kerala Higher Secondary School *Sastrapadham* Science Quiz 2017 for Rev. Fr. James Kaippanplackal Memorial Trophy was conducted on 13 January 2017 at St. Mary's

Church Auditorium, Lalam, Pala, under the joint auspices of the science departments of the College and Science Education Trust (SET), Kottayam. A panel of teachers from the College comprising Dr. G. D. Gem Mathew (Dept. of Chemistry), Dr. Jomy Augustine (Head, Dept. of Botany), Dr. Sunil C. Mathew (Dept. of Mathematics) and Dr. Ison V. Vanchipurackal (Dept. of Physics) were the quiz masters.

### **Helping Hands for Idamalakkudy**

The NSS Unit of the College in association with Deepika Friends Club lent a helping hand for the Muthuvan tribe in Idamalakkudy. NSS volunteers organized a fund raising campaign in the College to meet the expenses for buying rice and other food materials for the tribal people who live in poverty. NSS volunteers raised an amount of Rs. 9,250/- from students and college staff.

### **Swachh Bharat Mission –Cleaning of Public Places**

NSS Volunteers cleaned the campus and public places on 12 August 2016 as part of Swachh Bharat Mission. Volunteers conceived the idea of Swachh Bharat Mission and efficiently took part in the programme to keep the campus, public places and eventually the country clean.

### **Family Meet of the Blind**

In collaboration with the Kerala Federation of the Blind, National Service Scheme unit of the College organized a family meet of the blind in the district. The program provided some moments for the blind to enjoy by sharing their experiences with others. The unit also collected a good amount from the college to support the activities of their association. Along with these programs, inauguration of the Golden Jubilee celebrations of the Association was carried out by Hon'ble Justice B. Kemal Pasha of the Kerala High Court.

### **Epidemic Awareness and Free Medicine Distribution**

In order to prevent the epidemics which spread during the monsoon an awareness class was conducted by NSS in association with Govt. Homoeo Hospital on 21 July 2016. Preventive homeo medicines for epidemics were distributed free of cost. Dr. Anaswara T.R. and Dr. Joseph P.J. led the sessions.

### **Nature Camp**

The NSS Unit in association with the Forest Department conducted a nature camp at Vellappara Wildlife Sanctuary in Idukki from 13 to 15 February 2017. As part of the Swachh Bharath Mission, volunteers cleaned the tourist spot Hillview Point and its nearby places. Bird - watching program and trekking along with forest department officials helped the volunteers enjoy the beauty of nature and sense its importance. The Camp also included awareness.

### **Road Safety Survey**

In association with the World Bank, KSTP, PWD and Kerala Police, the NSS Unit conducted a road safety survey. After getting trained by the officials, the volunteers set out to conduct a survey on the highways to understand the mindset of the people who use public roads - their awareness of road laws, the use of helmet and seat belt, importance of road signals etc under the leadership of Community Road Safety Program Field Officer Sri. V.G. Harish Kumar, Road Safety Program Director Sri. Shabeer Mohammed and NSS Program Officers.

## **Energy and Environment Club**

A seminar on the development of LED bulbs and their varieties was organized by the Energy and Environment Club of the College. The programme was led by Dr. Nibu A. George, Department of Physics, Baselius College, Kottayam, a patent holder in this area. The programme was organized by Dr. Ison V. Vanchipurackal (Dept.of Physics), Director of the Club.

## **Entrepreneurship Development (ED) Club**

The Entrepreneurship Development (ED) Club organised a seminar on the topic ‘Career Development Through Sales and Marketing’ on 13 February 2017. Mr. James Mathew Pullatt, a successful businessman based in UAE, was the chief resource person. Prof. Bobby Simon (Dept. of Commerce), Director of ED Club, co-ordinated the programme.

## **National Science Day Celebrations**

National Science Day was celebrated solemnly with financial support from the KSCSTE, Govt. of Kerala under the auspicious of RACS Cell of the college. The celebrations were held for two days. On the first day, viz. 23 February 2017, various competitions were organized to inculcate scientific temper and awareness in the students. On 23 February 2017 (forenoon) an essay writing competition was conducted for B. Sc. and M. Sc. students. The theme for the competition was the focal theme of Science Day 2017: “Science and Technology for Specially Abled Persons”. Dr. G. D. Gem Mathew organised a science quiz competition on the same day afternoon for M. Sc. students. A PowerPoint Presentation Competition was also conducted for B.Sc. students. The valedictory function was held on 28 February 2017.

## **Roll of Honour**

- Our students brought laurels to the College by winning as many as 18 university top positions (I, II and III) and overall A grade in the university examinations held during April /May 2016.
- 11 of our research scholars were awarded Ph. D. during the Academic Year.
- 17 of our students qualified UGC –NET examination during the academic year.
- The team consisting of Mr. Amal George Kurian and Ms. Jasmine Joseph (I M. Sc. Chemistry) won prizes at a number of intercollegiate Science and Chemistry quiz competitions including the first prizes in the chemistry quiz competition conducted by the School of Chemical Sciences, Mahatma Gandhi University, Kottayam and the science quiz competition conducted by Sacred Heart College, Thevara.
- The quiz team comprising Mr. Jaise Johnson (III B. Sc. Physics) and Mr. Manu Thomas (I M. Sc. Physics) won prizes at a number of intercollegiate Physics quiz competitions.
- Mr. Gokul C. M. and Mr. Vishnu Mohan (II B. Sc. Mathematics ) won prizes at three prestigious competitions in Statistics for UG students.

## **Journals and Publications**

- STARS (St. Thomas Academic and Research Studies)- STARS is an interdisciplinary research journal of the College. It is published on a halfyearly basis in order to

promote in-depth study in various disciplines and to disseminate the wealth of knowledge to teachers and research scholars in universities/colleges and other centres of research. From January 2007 onwards, the journal has been divided into two separate volumes, viz. 'Sciences' (ISSN 0973- 7804) and "Humanities and Social Sciences" (ISSN 0973- 7812).

- St. Thomas College Newsletter is published annually towards the end of each academic year. The aim of the Newsletter is to highlight campus news, the accomplishments and achievements of the respective academic year, so as to explore an infinity of new possibilities and to confer positive strokes on the academic community of the College.
- The *Thomist*, the annual of the College Union, is meant to promote the creativity of the students. It contains stories, poems, articles etc. by the students and the faculty. Photographs of outstanding students and of various functions in the campus add glitter to it. In addition, it contains the Principal's annual report, the College Union report, and the reports of other bodies in the College such as NSS, NCC etc.
- A scholarly half-yearly research journal, *Sodh Kshitij* ('Research Horizon') , is published by the Postgraduate and Research Department of Hindi of the College since 1994. The journal is published with financial support from the UGC. It is recognized as a standard journal by the P. G. Board of Studies of Kerala University.
- *Malayala Sabdam* is a unique campus tabloid published by the staff and students of the Malayalam Department. It provides a vivid cross section of life in the campus.
- The teachers of the Department of Malayalam published two books during the current academic year.
  - i) 'Bharatheeyethara Sahithya Sidhanthangal' by Dr. Thomas Scaria
  - ii) 'Karuna (Padanavum Vyakhyanam)' by Dr. Davis Xavier
- Dr. Babu Jose (Dept. of Commerce) published a book titled *Financial Literacy and Financial Decisions* (ISBN - 978-3- 330-03850-9) in the year 2016. It is brought out by the reputed international publisher Lambert Academic publishing Company, Germany.
- Dr. Biju K. C. (Dept. of Economics) published a book titled *Microfinance and Poverty Alleviation : Evidences from Kerala,India*. The book gives a comparative analysis of the performance of microfinance programmes of the Government and NGOs. The book is brought out by the reputed international publisher Lambert Academic Publishing Company, Germany.
- A new Chemistry text book titled *Basic Theoretical and Analytical Chemistry* was jointly published by Dr. G. D. Gem Mathew and Dr. Jose K. Xavier (Dept. of Chemistry) in June 2017. The book (ISBN : 978-81-934025-1-1) caters to the needs of students of I Semester B. Sc. degree programmes having Chemistry as one of their complementary subjects. The book was brought out by the reputed national publisher Vishal Publishing Co., Jalandhar - New Delhi.

### **Alumni Meetings**

- On 23 March 2017 the English Alumni Association honoured the first batch of P.G. students and their teachers on the Golden Jubilee of the English P.G. course in the College. The students of the 50 P.G. batch were special invitees to the programme.



- The Department of Biostatistics formed an Alumni Association and the first alumni meet titled ROBSTA MEET 2017 was held on 17 April 2017. The meet was centred on the dual goals of strengthening alumni connection and as a mentoring program to foster meaningful and productive one-to-one relationship between alumni and students through the sharing of professional experience.
- Com-Stalgia, the annual general meeting of St. Thomas Commerce Alumni Association (STCAA), was held on 11 March 2017 to accord a grand farewell to Dr. Sunny Joseph, the first Principal of the College from the Department of Commerce. Sri. Jose J. Mampampil, President of STCCA, presided over the meeting. H. E. Mar Jacob Murickan, Sri. K. M. Mani MLA, Sri. Tom Jose IAS, and representatives from colleagues and students spoke on the occasion. More than 350 alumni members were present. During the meeting, those who joined the golden jubilee and silver jubilee club of their course in 2017 were honoured.
- The 66th Foundation Day and Alumni Day were celebrated with much pomp and glory on 4 November 2016. Important events of the day included reunion of the sixteenth batch of the College and presentation of the Founding Fathers Trust Awards.

Name: Dr. Sunil C Mathew

Name: Dr. Joy George

**Signature of the Coordinator, IQAC**

**Signature of the Chairperson, IQAC  
(Principal)**

**Palai**

