



**ST.THOMAS' COLLEGE (AUTONOMOUS)  
THRISSUR-680001, KERALA**

*[Affiliated to University of Calicut]  
(College with Potential for Excellence & nationally reaccredited at 'A' Level by NAAC)*

**Dr. JOY K L  
PRINCIPAL**

15-12-2020

To

**DIRECTOR,  
DIRECTORATE OF RESEARCH  
UNIVERSITY OF CALICUT**

Sir,

Sub: Annual report-2020 of 9 research centres at St. Thomas  
College,Thrissur-forwarding-reg.

I am forwarding herewith the annual report -2020 of nine research centres at St. Thomas College, Thrissur.

Research Centres:

- 1) English
- 2) Chemistry
- 3) Zoology
- 4) Botany
- 5) Commerce
- 6) Economics
- 7) Mathematics
- 8) Statistics
- 9) Physics

Thanking You

Yours faithfully  
S/d  
**Dr. Joy K L**

**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**

(From January 01, 2020 onwards)

**Name of Research Centre : Department of English**

**St.Thomas College, Thrissur**

**Address : St.Thomas College, Thrissur 1**

**E-mail ID & Contact No. : csbijustc@gmail.com**

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**A. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research domain	Subject (if more than 1, specify)
1.	Dr. Anto Thomas C.	Associate Professor & Head	English	Children's Literature and culture
2.	Dr.C.S.Biju	Associate Professor	English	Visual Culture
3.	Dr. Sanil Raj J.	Associate Professor	English	
4.	Dr. Viju M. J.	Assistant Professor	English	ELT
5.	Dr. Syam Sudhakar	Assistant Professor	English	
6.	Dr. C. J. Davees	Assoc. Professor( Rtd.)	English	
7.	Dr. K. P. Nandakumar	Assoc. Professor( Rtd.)	English	

**B. Details of Publications during 2020 (latest first)**

**(i) Publications in International Journals during 2020 (latest first)**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with doi	Impact Factor, if any
	Nil				

**(ii) Publications in National Journals during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by	Impact Factor, if any
1	Viju M. J.	The Future of Indian English (Inglishes): The Impact and the Challenges of ELT in Digital India	Journal of English Language Teachers' Interaction Forum Volume XI.3. Pgs.18-22	ELTIF, July-September 2020.	ISSN 2230-7710	

(iii) **Book(s) authored/Edited Volumes/Chapters during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Publisher, Volume, pages	Date of Publication	International/ National
1	Dr. Viju M. J. (Editor)	Santhome Luminaries	Publication Division, St Thomas College, Thrissur Shanlax ISBN no. 9788194473039	November 2020	National
2	Dr. Viju M.J.	Indian Diaspora Literature: A Brief Historical Analysis of Characteristics, Themes & Authors of Diasporic Writings	Home and World: Indian Diasporic Readings ISBN 978-93-90082-64-3	September 2020	National
3	Anto Thomas C.	Postcolonial Gaze: A Study on Klaus Ensikat's Illustrations in Das Dschungelbuch	Kopaed, Munich Klaus Ensikat, Stefanie Harjes, Susanne Janssen: Heidelberger Kinderliteraturgespräche 2017/18; Oldenburger Poetikvorlesungen 2019. Kinder- und Jugendliteratur aktuell Band 10. Edited by Mareile Oetken, Karin Vach and Gina Weinkauff. ISBN 978-3-86736-547-5 Pages: 223-232.	June 2020	International
4	Dr. Martin K.A. (Member, Editorial Board)	Eastern Journal of Dialogue and Culture	Chair for Christian Studies, Vol 13 No 1, 2020	January 2020	National
4					National

(a) Average Impact Factor of publications from the centre

(b) Patents (if any) (latest first)

- a. Granted
- b. Filed

**C. Details of PhD awarded during 2020 (latest first)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of award
1	Anu Paul	Dr. C. J. Davees Dr. Sanil Raj. J. (Co-Guide)	"CONSTANTS OF HISTORY : A READING OF AMERICAN SLAVE NARRATIVES IN THE CONTEXT OF GLOBALIZATION"	English	09/09/2020

2	Sheme Mary P.U.	Dr. Anto Thomas C.	"GLOBALIZATION OF CULTURE: A STUDY OF THE INFLUENCE OF CHILDREN'S PICTURE BOOKS ON THE TRANSFORMATION OF CULTURE IN THE GLOBAL AGE."	English	28.02.2020
3	Sowmya K.N	Dr. Sanil Raj J	"SCOPE, CHALLENGES AND PROSPECTS OF BLENDED METHOD IN ENGLISH LANGUAGE TEACHING FOR ENGINEERING STUDENTS."	English	29.01.2020

#### D. Details of PhD Registration for 2020 (New) (latest first)

Sl. No	Candidate	Supervisor	Title	Subject	Date of Registration	Part time/ Full time	Nature of fellowship
1	Ms. Cerin Babu	Dr. Martin K.A.	The Voice of Discord: Exploring Post-Truth in the Self in Salman Rushdie's <i>Midnight's Children</i> and Gregory David Robert's <i>Shantaram</i>	English Language and Literature	28-09-2020	Full Time	Nil
2	Anna Roshni Jose	Anto Thomas C	THERAPEUTIC MNEMOTECHNICS: A STUDY ON CULTURAL MEMORY IN SELECT PALESTINIAN SHORT FICTION IN ENGLISH	English Language and Literature	05-08-2020	Full Time	NIL
3	Aswathi Kishore	Fluid Spaces: A Study of Fluidity in Society Culture and Body.		Literature	16 June	Full time	JRF
4	Sandhya George	Sanil Raj J.	Redefining Black Violence: A Study of Select Nigerian Fiction	English	26/02/2020	Full Time	NIL
5	Manu B.	Anto Thomas C	Storying Illness: A Study on Select Cancer Narratives in Medical Humanities	English Language and Literature	Registration under process	Full Time	Nil
6	ANTU ML	VIJU MJ	DEVELOPING AN AFFECTIVE PEDAGOGY TO ENHANCE	ELT	On the process of registration at	Full Time	Nil

			ENGLISH LANGUAGE COMPETENCE OF STUDENTS AT TERTIARY LEVEL		DoR		
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**E. Details of M.Phil. students for 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing
	Nil			

**F. New Research Projects sanctioned during 2020 (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount
	Nil				

**G. Ongoing Research Projects (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount
	Nil				

**H. Research Projects submitted during 2020 (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount
	Nil				

**I. Details of Seminar/Workshops attended during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Period
1	Dr. Syam Sudhakar	ENGAGING STUDENTS IN AN ONLINE ENVIRONMENT: GLOBAL PERSPECTIVES	Dept of English. Sri Krishna College, Bagula, Nadia, West Bengal	International	28-29 August 2020
2	Dr. Viju M. J.	Creation and Well-being in the New Changing World	Dewan Institute, Meerut, UP	National	28 <sup>th</sup> Aug. 2020
3	Dr. Syam Sudhakar	Webinar on Research Ethics & Publications	Research Council, Dept of Library & Information Studies and IQAC. St. Thomas' College, Thrissur	National	06 August 2020
4	Dr. Syam Sudhakar	CROSSROADS 2020: ETHNOLITERATURE AND THE	P.G Dept of English. Sree Narayana	International	22-30 July 2020

		ENVIRONMENT: NORTHEAST INDIAN AND SOUTHEAST ASIAN LITERATURES IN CONTEXT	College for Women, Kollam.		
5	Dr. Syam Sudhakar	WHAT IS POSTMODERNISM? Webinar	Gandhigram Rural Institute and P.G Dept of English. St. Thomas' College, Thrissur	National	09 July 2020
6	Dr. Syam Sudhakar	INTERNATIONAL MEDIA SEMINAR: MAINSTREAM MEDIA REPORTING DURING COVID-19: AN INTERNATIONAL EXPERIENCE.	IQAC. Sir Syed College, Taliparamba	National	22 May 2020
7	Dr. Syam Sudhakar	WEBINAR ON OUTCOME BASED EDUCATION	Kerala State Higher Education Council and St. Thomas' College, Thrissur	National	13 May 2020
8	Dr. Syam Sudhakar	WEB SERIES PROGRAMME ON COVID-19 VIRUS	Nature Science Foundation, Coimbatore, Tamil Nadu	National	10 May 2020
9	Dr. Syam Sudhakar	NATIONAL WEBINAR ON MODERNISM IN INDIAN ENGLISH LITERATURE	Dept of English. Kamrup College, Chamata	National	28 March 2020
10	Dr.Sanil Raj J.	“Intersections: Art and Literature”	Dept. of English, St Thomas' College, Thrissur	International	18/02/2020 One day
11	Dr.Viju M. J.	International Conference in ELT,Literature&	Christ College, Irinjalakuda	International	24 <sup>th</sup> Jan.2020

		Culture			
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**J. Extension activities (Session chaired/invited lectures, services, etc.)  
of the Faculty during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
1	Dr. Sanil Raj J.	Virtual Guest Series – Invited Lecture	Hindustan College of Arts and Science, Chennai	National	10/11/2020
2	Dr. Syam Sudhakar	Invited Lecture on NEW TRENDS: ARTS, TECHNOLOGY AND LITERATURE	Bharathamata Arts and Science College, Kozhijampara, Palakkad	International	29-30 October 2020
3	Dr. Viju M. J	Book launch- Shakespeare in the age of Covid-19	Organiser of Book Club, St Thomas College, Thrissur	National	11-09-2020
4	Dr. Viju M.J.	Webinar on Research Ethics & Publications	Convenor of Program organized by Reserch Council, St Thomas college, Thrissur	National	6-08-2020
5	Dr. Viju M. J.	International Conference on Digital Humanities in the 21st Century	Chaired a session Bharata Mata College, Thrikkakkara	International	28-07-2020
6	Dr. Viju M.J.	One Day International Conference & Workshop: INTERSECTIONS	Dept. of English, St Thomas College, Thrissur Session Chaired	International	26-02-2020
7	Dr. Martin K.A.	Refresher Course in Indian Languages	UGC, University of Mumbai	National	25/02/2020 to 09/03/2020
8	Dr. Viju M. J.	International Conference on Culture Studies	KVM College of Arts & Science, Cherthala, Alapuzha Session Chaired	International	18-02-2020

**K. Special achievements/awards during 2020, if any**

1. **Dr. Viju M.J.** Best Citizen Award by International Publishing House, New Delhi on 20-02-2020
2. **Dr. Viju M.J.** Ph.D External Examiner at Bharathiar University on 04-03-2020
3. **Dr. Viju M.J.** Board of Studies Member ( UG-English) of Bharathiar University in June 2020

**Part II**

**A. Details of Seminar/Workshops organized by the Centre during 2020 (latest first)**

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration
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1	International Webinar on Presentation Skills by Cambridge English	Dr.Flergin Antony& Dr Viju MJ	Dept.of English,St Thomas College,Thrissur	International	One day 20-11-2020
2	An Orientation/work shop on Foreign Language Courses	Dr.Flergin Antony& Dr Viju MJ	Santhome Institute of Foreign Languages( SIFL)	National	Oneday 17-10-2020
3	A special International Expert Webinar	Dr Anto Thomas	Dept.of English,St Thomas College, Thrissur in collaboration with Kongunadu Arts& Science College, Coimbatore	International	One day 31-07-2020
4	Webinar on “What is Postmodernism”	Dr.Flergin Antony& Dr. Stishin Kundukulam	Dept.of English,St Thomas College,Thrissur in collaboration with Gandhigram Rural Institute, Gandhigram	National	One day 09-07-2020
5	Invited Lecture on Understanding Cinema by Prof.I.Shanmughadas ( Alumnus)	Dr Viju MJ	Dept.OSA& Dept.of English	College	One day 25-02-2020
6	The Centenary Memorial English Elocution	Dr.C.S.Biju	Dept.of English,St Thomas College,Thrissur	National	One day 26-02-2020
7	International Symposium Media& Method in 21 <sup>st</sup> Century	Dr.C.S.Biju	Dept.of English& Media Studies St Thomas College,Thrissur	International	Twodays 17&18-02-2020
8	One Day International Conference& Workshop: INTERSECTIONS: Art& Literature	Dr.Sanil Raj	Dept.of English,St Thomas College,Thrissur	International	One Day 18-02-2020

**Sd/-**

**Name & Designation of the Head of the Research Centre**



**ST. THOMAS COLLEGE, THRISSUR****RESEARCH CENTRE IN CHEMISTRY**

**UNIVERSITY OF CALICUT**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**

(From January 01, 2020 onwards)

**Name of Research Centre : PG and Research Department of Chemistry**

**Address : St.Thomas' College, Thrissir**

**E-mail ID & Contact No. : [jobythrissur@rediffmail.com](mailto:jobythrissur@rediffmail.com), 9847177695**

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**A. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research domain	Subject (if more than 1, specify)
1	Dr. Joby Thomas K	Associate Professor	Coordination chemistry, corrosion science	Chemistry
2	Dr. Paulson Mathew	Associate Professor	Organometallic chemistry	Chemistry
3	Dr. Sunil Jose T	Assistant Professor	Polymer Technology & Nano Technology	Chemistry
4	Dr. Jency Thomas	Assistant Professor	Polyoxometalates, organic-inorganic hybrid solids, Coordination polymers	Inorganic Chemistry
5	Dr. Jinish Antony	Assistant Professor	Polymer chemistry	Chemistry
6	Dr. Joseph Joly VL	Assistant Professor	Nano chemistry	Chemistry
7	Dr. K L Joy	Associate Professor	Biochemistry	Chemistry

**B. Details of Publications (latestfirst)**

**(i) Publications in International Journals (latestfirst)**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with doi	Impact Factor, if any
1.	T S Swathy and M Jinish Antony	Tangled silver nanoparticles embedded polythiophene-functionalized multiwalled carbon nanotube	Polymer, 2020, 189, 122171	Elsevier, 17 Feb 2020 <a href="https://doi.org/10.1016/j.polymer.2020.122">https://doi.org/10.1016/j.polymer.2020.122</a>	3.426

		nanocomposites with remarkable electrical and thermal properties		<a href="#">171</a>	
2.	Savitha Unnikrishnan.K, Dr.Sunil Jose.T,Dinoop Lal.S	Glass fiber reinforced bismaleimide/ epoxy BaTiO <sub>3</sub> nanocomposites for high voltage applications	Polymer Testing,2020,87,1 06505	Elsevier,26 Mar 2020 <a href="https://doi.org/10.1016/j.polymertesting.2020.106505">https://doi.org/10.1016/j.polymertesting.2020.106505</a> ,	3.28
3.	Paulson Mathew*, Drishya Sasidharan, Nellickal Purushothaman Rakesh	Copper(I) stabilized on N,N'-methylene bis-acrylamide crosslinked polyvinylpyrrolidone: An efficient reusable catalyst for click synthesis of 1,2,3-triazoles in water	Applied Organometallic Chemistry, 2020,34, e5642	Wiley, 6 Apr 2020, <a href="https://doi.org/10.1002/aoc.5642">https://doi.org/10.1002/aoc.5642</a>	3.581
4.	Drishya Sasidharan, T.R Namitha, Smera P Johnson, Vimala Jose and Paulson Mathew	Synthesis of silver and copper oxide nanoparticles using Myristica fragrans fruit extract	Sustainable Chemistry and Pharmacy,2020,16 , 100255	Elsevier,18 Apr 2020, <a href="https://doi.org/10.1016/j.scp.2020.100255">https://doi.org/10.1016/j.scp.2020.100255</a>	2.404
5.	Anju Rose Puthukkara P., Sunil Jose T., and Dinoop Lal S.	Chitosan stabilized Fe/Ni bimetallic nanoparticles for the removal of cationic and anionic triphenylmethane dyes from water	Environmental Nanotechnology, Monitoring & Management, 2020,14,100295	Elsevier,17 May 2020, <a href="https://doi.org/10.1016/j.enmm.2020.100295">https://doi.org/10.1016/j.enmm.2020.100295</a>	3.720
6.	Anju Rose Puthukkara P., Sunil Jose T., and Dinoop Lal S.	Plant mediated synthesis of zero valent iron nanoparticles and its application in water treatment	Journal of Environmental Chemical Engineering,2020, 104569	Elsevier,19 Oct 2020, <a href="https://doi.org/10.1016/j.jece.2020.104569">https://doi.org/10.1016/j.jece.2020.104569</a>	4.020
7.	Jisha Joseph, Cinu Winson, Bharti Singh, Jemini Jose, Jency Thomas	Role of supramolecular interactions in crystal packing of Strandberg-type cluster-based hybrid solids	Journal of Chemical Sciences, 2020, 132,137	Springer, 7 Oct 2020 <a href="https://doi.org/10.1007/s12039-020-01826-w">https://doi.org/10.1007/s12039-020-01826-w</a> Sadhana(0123456789().,-volV)FT3](0123456789().,-volV)	1.406
8.	Jisha Joseph, Raji Chorenjeth Radhakrishnan, Johnly	Ion-exchange mediated removal of cationic dye-stuffs from water using ammonium phosphomolybdate	Materials Chemistry and Physics, 2020, 242, 122488	Science direct, 15 February 2020, <a href="https://doi.org/10.1016/j.matchemphys.2019.12">https://doi.org/10.1016/j.matchemphys.2019.12</a>	3.408

	Kannanaikkal Johnson, Steny Pereppadan Joy, Jency Thomas			<a href="#">2488</a>	
9.	Binsi M Paulson, Joby Thomas K, Vinod P Raphael, K S Shaju, Ragi K	Mitigation of Concrete Reinforced Steel Corrosion by Penta Sodium Triphosphate – Physicochemical and Electrochemical Investigations	SN Applied Sciences , 2020,2	Springer, 12 Oct 2020, <a href="https://doi.org/10.1007/s42452-020-03586-1">https://doi.org/10.1007/s42452-020-03586-1</a>	
10.	Reeja Johnson, joby thomas kakkassery, vinod raphael palayoor, ragi kooliyat and vidhya thomas kannanaikkal	Experimental and Theoretical Investigations on the Corrosion Inhibition action of Thiadiazole Derivatives on Carbon Steel in 1M HCl medium	Oriental journal of chemistry. ISSN: 0970-020 X CODEN: OJCHEG 2020, Vol. 36, No.(6): Pg. 1179-1188	30/12/2020 <a href="http://dx.doi.org/10.13005/ojc/360624">http://dx.doi.org/10.13005/ojc/360624</a>	0.68

**(ii) Publications in National Journals (latestfirst)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by	Impact Factor, if any
1.	Ragi K, Joby Thomas Kakkassery, Vinod P. Raphael, Binsi M. Paulson, Reeja Johnson	Corrosion inhibition of mild steel by N, N'-(5,5-dimethylcyclohexane-1,3-diylidene)dianiline in acid media: Gravimetric and electrochemical evaluations	Current Chemistry Letters, 2020,10,67-81	Growing Science, 28 July 2020, <a href="https://doi.org/10.5267/j.ccl.2020.8.001">10.5267/j.ccl.2020.8.001</a>	1927-7296	<1
2.	Vidhya Thomas K, Thomas K. Joby*, K. Ragi, Varghese C. Sini and Johnson Reeja	Ixora coccinea Extract as an Efficient Eco-Friendly Corrosion Inhibitor in Acidic Media: Experimental and Theoretical Approach	Current Chemistry Letters, 2020,10,	Growing Science, 14 Dec 2020,	-	<1

**(iii) Book(s) authored/Edited Volumes/Chapters (latestfirst)**

Sl. No	Author(s) in order	Title	Publisher, Volume, pages	Date of Publication	International/ National
1	Joby Thomas	Theoretical and Inorganic Chemistry-I	Manjusha Publications	July 2019	National
2	Joby Thomas	Theoretical and Inorganic	Manjusha	January 2020	National

		Chemistry-II	Publications		
3	Joby Thomas	Physical Chemistry I	Manjusha Publications	May 2020	National
4	Joby Thomas	Organic Chemistry	Manjusha Publications	November 2020	National
5	Joby Thomas	General Chemistry	Manjusha Publications	July 2019	National
6	Joby Thomas	Complementary Physical Chemistry	Manjusha Publications	January 2020	National
7	Joby Thomas	Complementary Organic Chemistry	Manjusha Publications	May 2020	National
8	Joby Thomas	Complementary Physical and Applied Chemistry	Manjusha Publications	May 2020	National

(a) Average Impact Factor of publications from the centre: 2.59

(b) Patents (if any) (latest first)

a. Granted : nil

b. Filed

**Patent Application No. 202041022427**

**Date of filing: 28th May 2020**

**Title " CONVERTIBLE CRYSTAL STRUCTURE MODEL"**

**C. Details of PhD awarded during 2020 (latest first)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of award
1.	Dr. Binsi M Paulson	Dr Joby Thomas K	Evaluations On the Inhibitive Effect of Heterocyclic Derivatives and Polyamino Compounds on the Corrosion of Carbon Steel and Copper in Acid Media	Chemistry	20-12-2019
2	Dr. Sini Varghese C	Dr Joby Thomas K	Evaluations On the Inhibitive Effect of Heterocyclic Derivatives and Polyamino Compounds on the Corrosion of Carbon Steel and Copper in Acid Media	Chemistry	06-03-2020

**D. Details of PhD Registration for 2020 (New) (latestfirst)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of Registration	Part time/ Full time	Nature of fellowship
1.	Akhila N S	Paulson Mathew	Studies On The Effect Of Support Materials On Copper Catalysed C-H Functionalisation	Chemistry -Catalysis	October 2020	Full time	UGC JRF

**E. Details of M.Phil. students for 2020 (latestfirst): Nil**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing

**F. New Research Projects sanctioned (latestfirst) : Nil**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**G. Ongoing Research Projects (latestfirst): Nil**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**H. Research Projects submitted during 2020 (latestfirst): Nil**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**I. Details of Seminar/Workshops attended (latestfirst)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Period
1.	Joseph Joly V L	JNCASR - FCBS WORKSHOP FOR COLLEGE CHEMISTRY STUDENTS AND TEACHERS-2020	IISER Thiruvananthapuram and CSIR-NIIST, Thiruvananthapuram (Online)	National	December 15-17, 2020
2.	Aji C V	New trends in applied chemistry(NTAC-2020)	SH College, Thevara	International	17-12-2020
3.	Aji C V	RESEARCH DATA ANALYSIS	Central University of Kerala	National	21-11-2020
4.	Jency Thomas	Current Topics in Materials Science & Spectroscopy	Research and PG Department of Chemistry, St. Thomas College (Autonomous), Thrissur	National	31-01-2020
5.	Jency Thomas	Workshop on IPR	Innovation cell	Other	03-02-2020
6.	Jency Thomas	Revised NAAC Manual & Challenges of 4th cycle Accreditation	IQAC, St Thomas College, Thrissur	Other	18-02-2020
7.	Jency Thomas	Soft Skills for Academic	CPE & IQAC, St. Thomas College,	Other	06-03-2020

		Excellence	Thrissur		
8.	Jency Thomas	Colloquium on Indian Constitution and the Challenges of Today's India	CPE & IQAC, St. Thomas College, Thrissur	National	05-03-2020
9.	Jency Thomas	OBE workshop	Internal Quality Assurance Cell (IQAC) of St. Thomas College (Autonomous) Thrissur, in association w	Other	11-11-2020
10.	Jency Thomas	PSYCHOLOGICAL HEALTH DURING COVID 19	DEPARTMENT OF CRIMINOLOGY AND POLICE SCIENCE in association with IQAC St. Thomas College (Autonomous	Other	19-08-2020
11.	Jency Thomas	Experience the Magic in You	Divyangajan Cell (The Cell for the Differently abled ) In association with IQAC	Other	20-08-2020
12.	Jency Thomas	Orientation programme on Audit course Disaster Management	St. Thomas College, Thrissur	Other	28-10-2020
13.	Jency Thomas	UNDERSTANDING GENDER VARIANCE	Women's Cell in association with IQAC, St. Thomas' College (Autonomous), Thrissur	Other	10-11-2020
14.	Jency Thomas	Webinar on Outcome Based Education	jointly by Kerala State Higher Education Council and IQAC, St. Thomas College (Autonomous), Thrissur	National	13-05-2020
15.	Jency Thomas	Career Opportunities in Science	SASTRA Deemed University and School of Chemical & Biotechnology	National	20-05-2020
16.	Jency Thomas	Metal Complexes to Metal Nanoparticles For Efficient Catalysis	SASTRA Deemed University and School of Chemical & Biotechnology	National	28-05-2020
17.	Jency Thomas	Doing Science With Roots	Research & PG Department of	National	25-05-2020

		Intact	Chemistry, St. Thomas College, Thrissur		
18.	Jency Thomas	Webinar on Managing Academic Research and Publishing in Top-tier Journals	Department of Statistics, St. Thomas College, Thrissur	Other	05-06-2020
19.	Jency Thomas	Webinar on Self Publishing	Department of Library and Information Studies, St. Thomas College (Autonomous), Thrissur	Other	19-06-2020
20.	Jency Thomas	Online Learning Apps and Tools for Higher Education	St.Thomas College (Autonomous), Thrissur	Other	27-05-2020
21.	Jency Thomas	Choices and Current Trends in Drug Product Development	School of Chemical & Biotechnology, SASTRA Deemed University, Thanjavur	National	19-05-2020
22.	Jency Thomas	National Webinar on LABORATORY SAFETY PRACTICES	Department of Chemistry and Centre for Research, St.Teresa's College (Autonomous), Ernakulam, Koch	National	04-07-2020
23.	Jency Thomas	National Webinar in Hindi	Department of Hindi, St.Thomas' College (Autonomous), Thrissur	National	07-07-2020
24.	Jency Thomas	Webinar on 'The molecular Universe: Chemical evolution and dynamics of interstellar medium	Post Graduate Department of Chemistry, Majlis Arts and Science College, Puramannur.	State	25-07-2020
25.	Jency Thomas	QUIZ-Test entitled 'COVID-19 Pandemic: Significance of Chemistry'.	Department of Chemistry, Central University of Kerala	National	27-07-2020
26.	Jency Thomas	Overview of IPRs - Importance & Impact of Patents for Academics & Research Product	Department of Chemistry, St. Mary's College, Thrissur	National	28-07-2020
27.	Jency Thomas	webinar on "Active Galactic Nuclei - The energetic	Department of Physics, St. Thomas (Autonomous) College,	Other	22-09-2020

		centers of galaxies“	Thrissur		
28.	Jency Thomas	Webinar on Research and Publication ethics	Research Council, Dept. of Library and Information Studies and IQAC of St. Thomas College (Autonomous)	University	06-08-2020
29.	Jency Thomas	National Webinar on National Education Policy (NEP): Intent, Implement and Impact	St Thomas College, Thrissur	National	18-08-2020
30.	Aji C V	Webinar on Research Publication and Ethics	Research council St.Thomas College(Autonomous), Thrissur and DOR, Calicut University	State	06-08-2020
31.	Aji C V	coupling experiments with theory	Department of Chemistry, SN College, Nattika	State	07-08-2020
32.	Aji C V	chemistry for securing life: oppertunities beyond your imaginations	St. Joseph College (Autonomous), Thrissur	International	25-07-2020
33.	Aji C V	The molecular Universe: Chemical evolution and dynamics of interstellar medium	Post Graduate Department of Chemistry, Majlis Arts and Science College, Puramannur	National	25-07-2020
34.	Aji C V	What is Postmodernism	Gandhigram Rural Institute and Research and PG department of English & IQAC, St.Thomas College(A	National	09-07-2020
35.	Aji C V	impact of covid-19 on kerala economy	Research and PG department of Economics and department of Political Science,IQAC,St.Thomas College(A	State	16-07-2020
36.	Aji C V	Emerging zoonotic diseases	Department of Zoology, St.Thomas College(Autonomous), Thrissur	University	06-07-2020



37.	Aji C V	National Webinar on Laboratory Safety Practices	Department of Chemistry and Research Centre, St. Teresa's College (Autonomous), Ernakulam	National	04-07-2020
38.	Joy K L	Changing Role of Principal	--	National	23-05-2020
39.	Aji C V	webinar on celebrating biodiversity amidst the pandemic	IQAC	National	08-06-2020
40.	Aji C V	doing science with roots intact	Research department of Chemistry and IQAC	National	25-05-2020
41.	Aji C V	webinar on managing Academic Research and Publishing in Top-tier journals	Department of Statistics, St. Thomas college, Thrissur	State	05-06-2020
42.	Aji C V	All examiners meet, for sixth semester BSc Chemistry practical examinations	university of Calicut	Other	04-03-2020
43.	Aji C V	revised NAAC manual and challenges of 4th cycle accreditation	IQAC St. Thomas College, Thrissur	Other	18-02-2020
44.	Aji C V	Building Excellence-A Senior Faculty Workshop	XIME Kochi	Other	02-01-2020
45.	Jency Thomas	Building Excellence-A Senior Faculty Workshop	XIME Kochi	Other	02-01-2020
46.	Dr. Joby Thomas K	Building Excellence-A Senior Faculty Workshop	XIME Kochi	Other	02-01-2020 to 03-01-2020
47.	Reeja Johnson	Building Excellence-A Faculty Workshop	XIME Kochi	Other	14-02-2020
48.	Aji C V	current topics in materials science & spectroscopy	St. Thomas College Thrissur	National	31-01-2020
49.	Dr. Joby Thomas K (Vidhya Thomas K)	National Seminar on Current Trends in Chemistry CTriC 2020	Dept. of Applied chemistry, CUSAT	national	2020
50.	Dr. Jinish Antony M (Rohini Das K)	International conference on science and technology of	Mar Athanasius College (Autonomous)	International	2020

		advanced materials	Kothamangalam		
51	Dr. Sunil Jose T (Dinoop lal S)	14 <sup>th</sup> International Conference on Ecomaterials 2020		International	2020
52	Dr. Joby Thomas K	State Level academic Seminar on Higher Education System in India: Shifting Structures and Paradigms	Mar Gregoriois Renewal Centre, Thrivananthapuram	Other	0-02-2020
53	Dr. Joby Thomas K	Workshop on revised NAAC manual and challenges of 4 <sup>th</sup> cycle accreditation	UGC Paramarsh Scheme  St. Thomas college, Thrissur	Other	18-02-2020

**J. Extension activities (Session chaired/invited lectures, services, etc.)  
of the Faculty (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
1.	Aji C V	Invited Talk- Building a better chemistry practical culture, Bridge Course 20-21	Department of Chemistry, Ansar Women's College	other	19-11-2020
2.	Aji C V	Observer for UGC NET Examination-June 2020	NTA	National	24-10-2020
3.	Aji C V	NEET (UG) 2020 (Observer)	NTA	National	13-09-2020
4.	Aji C V	JEE (MAIN)-2020 (Observer)	NTA	National	01-09-2020
5.	Aji C V	NCHM-JEE-2020 (OBSERVER)	NTA	National	29-08-2020
6.	Jency Thomas	Alpha palliative care program	Alpha palliative care	other	11-01-2020
7.	Jency Thomas	Distribution of masks to shopkeepers in town	--	other	28-01-2020
8.	Jency Thomas	Visit to St. Christina's Home, Pullazhi	--	other	19-12-2019
9.	Aji C V	sanitizer preparation to DIG Office	DIG Office, Thrissur	other	25-06-2020
10.	Aji C V	sanitizer preparation and	college and near by	other	20-03-2020

		distribution	institutions		
11.	Aji C V	sanitizer preparation and distribution	Bishops House, Thrissur	other	19-03-2020
12.	Aji C V	training on sanitizer preparation	Kerala Sangeetha Nataka Academy	other	20-03-2020
13.	Aji C V	training on sanitizer preparation	District Jail, Thrissur	other	27-03-2020
14.	Aji C V	training on sanitizer preparation	Sub Jail, Viyyur, Thrissur	other	27-03-2020
15.	Aji C V	training on sanitizer preparation	central jail, viyyur	other	17-03-2020
16.	Aji C V	training on sanitizer preparation	women prison & correctional home, viyyur	other	17-03-2020
17.	Dr. Joby Thomas k	Seminar on Molecular Spectroscopy	Christ Academy Bangalore	Resource Person	18-08-2020
18.	Dr. Joby Thomas k	Bridge course for Newly admission students	Ansar Womens college, Perumpilavu	Resource Person	19-11-2020

**K. Special achievements/awards, if any: Nil**

**Part II**

**A. Details of Seminar/Workshops organized by the Centre (latestfirst)**

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration
1.	National Seminar on Current Topics in Materials Science & Spectroscopy	Jency Thomas	Research and PG Department of Chemistry, St. Thomas College, Thrissur	National	31-01-2020 1 day
2.	National seminar on current topics in material sciences and spectroscopy	Aji C V	Research and PG Department of Chemistry, St. Thomas College, Thrissur	National	31-01-2020

**B. Special achievements/awards, if any**

**Sd/-**  
**Name & Designation of the**  
**Head of the Research Centr**

**ST. THOMAS COLLEGE, THRISSUR****RESEARCH CENTRE IN ZOOLOGY**

**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**

(From January 01, 2020 onwards)

**Name of Research Centre** : Research & Postgraduate Department of Zoology  
**Address** : St. Thomas' College (Autonomous), Thrissur- 680 001  
**E-mail ID & Contact No.** : cvdavid4@gmail.com, 0487- 22420435, EXT- 1019

**Part I \*****DETAILS OF RESEARCH SUPERVISORS****I. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research domain	Subject (if more than 1, specify)
1.	Francy K Kakkassery	Associate Professor & Head (Retired)	Entomology	Aquatic Biology & Taxonomy of Zooplankton
2.	Binoy C F	Associate Professor	Entomology	Forest Ecology
3.	Vimala K John	Assistant Professor	Toxicology	Toxicology, Biochemistry and Toxicology
4.	Joyce Jose	Assistant Professor	Ecology	Ecology

**J. Details of Publications during 2020 (latest first)****(iv) Publications in International Journals during 2020 (latest first)**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with doi	Impact Factor, if any
1.	P. D. Krishnapriya and C. F. Binoy	Abundance and diversity of soil arthropods in a tropical deciduous forest and mangrove forest of Kerala, India	ENTOMON 45(1): 69-74 (2020)	Association for Advancement of Entomology March 31, 2020	

**(v) Publications in National Journals during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (if any)	ISSN & Indexed by	Impact Factor, if any

**(vi) Book(s) authored/Edited Volumes/Chapters during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Publisher, Volume, pages	Date of Publication	International/ National
1	John Vimala & Akash Gautham	Encyclopaedia of	Springer (Accepted for publication On		International

		Animal Cognition and Behaviour	18.08.2020)		
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(c) Average Impact Factor of publications from the Centre

(d) Patents (if any) (latest first)

- a. Granted
- b. Filed

**K. Details of PhD awarded during 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Subject	Date of award

**L. Details of PhD Registration for 2020 (New) (latest first)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of Registration	Part time/ Full time	Nature of fellowship

**M. Details of M.Phil. students for 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing

**N. New Research Projects sanctioned during 2020 (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**O. Ongoing Research Projects (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**P. Research Projects submitted during 2020 (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**I. Details of Seminar/Workshops attended during 2020 (latest first)**

Sl.	Name	Title of the event	Organizer &	International/	Period
1	Joyce Jose	Perspective of Molecular Approaches in Entomology	SERL, Christ College, Irinjalakuda	International	17-11-2

2	Joyce Jose	ALTERNATE LIVELIHOOD PROGRAMMES IN THE POST-COVID ERA	Centre for Research on Aquatic Resources and the Internal Quality Assurance Cell, Sanatana Dharma Co	International	31-10-2
3	SheebaRaphel	Insect Taxonomy	ST.PETER'S COLLEGE,KOLENCHERY-department of Zoology in association with IQAC	National	25-09-2
4	SheebaRaphel	Perspective of molecular approaches in Entomology	Dept.of Zoology ,Christ College	International	17-09-2
5	Joyce Jose	Webinar on Stress Management	Internal Quality Assurance Cell, St. Xavier's College for Women, Aluva	State	13-08-2
6	Binoy C F	Research and Publication ethics	St. Thomas College, Thrissur & University of Calicut	International	06-08
7	SheebaRaphel	Webinar on Research and Publication Ethics	Research Council & IQAC of St.Thomas College, Thrissur	State	06-08-2
8	Joyce Jose	"ENCOV 2020", based on the theme 'Nature, Environment and Covid 19	IQAC and Health Club, Christian College, Chengannur	International	10-07-2
9	SheebaRaphel	ICT IN EDUCATION DURING AND AFTER COVID-19	IQAC,In Collaboration With CHRIST COLLEGE (AUTONOMOUS), IRINJALAKUDA (Department of English)	International	09-07-2
10	SheebaRaphel	Emerging Zoonotic Diseases	Research & Post graduate Dept. of Zoology, St. Thomas college	State	06-07-2
11	Joyce Jose	Advances in Diagnostics of Viruses - from ELISA to Next Generation Sequencing	Department of Zoology, Farook College.	National	04-07-2
12	SheebaRaphel	Webinar on E content Tips	St.Thomascollge,Thrissur	Other	30-05-2
13	SheebaRaphel	webinaron"Covid 19: Meet the challenges! Capture the opportunities"	Department of Computer Science, Union Christian College	Other	28-05-2
14	Joyce Jose	Online Learning Apps and Tools for Higher Education	IQAC STC TCR	State	27-05-2
15	SheebaRaphel	Online learning Apps and Tools for Higher Education	Iqac,St.Thomas college, Thrissur	Other	27-05-2
16	Joyce Jose	Science With Roots- Inaugural Lecture- Connecting Inquisitive minds during Lockdown	Dept of Chemistry and IQAC STC TCR	International	25-05-2
17	Joyce Jose	Webinar on NAAC accreditation for autonomous and affiliated colleges	IQAC	State	22-05-2
18	SheebaRaphel	Webinar on NAAC accreditation for Autonomous or Affiliated colleges	St.Thomas college	Other	22-05-2
19	SheebaRaphel	National Webinar on ORGANIZED AND SUCCESSFUL LIFE SCIENCE RESEARCH – DESK TO UNIVERSAL	Departments of Botany & Zoology	National	15-05-2
20	SheebaRaphel	Survival gamesplayed by bacteria	School of chemical and Biotechnology,SASTRA deemed to be University	Other	14-05-2

21	SheebaRaphel	Webinar on Outcome Based Education	St.Thomascollege,Thrissur and Kerala State Higher Education Council	Other	13-05-20
22	Britto Joseph K	Revised NAAC Manuel and challenges of 4th cycle Accreditation	IQAC,St.Thomas college	Other	18-02-20
23	SheebaRaphel	Revised NAAC Manuel and Challenges of 4th cycle Accreditation	IQAC,St.Thomascollege,Autonomous	Other	18-02-20
24	SheebaRaphel	Building Excellence-A Faculty Workshop	XIME Kochi	Other	14-02-20
25	SheebaRaphel	Building Excellence-A Faculty Workshop	XIME K0chi	Other	14-02-20
26	Shaun Paul Adambukulam	Building Excellence-A Senior Faculty Workshop	XIME KOCHI	Other	02-01-20
27	Vimala K John	Building Excellence-A Senior Faculty Workshop	XIME Kochi	Other	02-01-20
28	Vimala K John	Revised NAAC Manuel and Challenges of 4th cycle Accreditation	IQAC,St.Thomas college	Other	18-02-2020
29	Vimala K John	Research and Publication ethics	St. Thomas College, Thrissur & University of Calicut	International	06-02-20
30	Vimala K John	Emerging Zoonotic Diseases	Research & Post graduate Dept. of Zoology, St. Thomas college	State	06-07-2020
31	Vimala K John	Online learning Apps and Tools for Higher Education	Iqac,St.Thomas college, Thrissur	Other	27-05-2020
32	Vimala K John	Webinar on NAAC accreditation for Autonomous or Affiliated colleges	St. Thomas college	Other	22-05-2020
33	Vimala K John	National Webinar on ORGANIZED AND SUCCESSFUL LIFE SCIENCE RESEARCH – DESK TO UNIVERSAL	Departments of Botany & Zoology	National	15-05-2020
34	Vimala K John	Webinar on Outcome Based Education	St. Thomascollege, Thrissur and Kerala State Higher Education Council	Other	13-05-2020

**J. Extension activities (Session chaired/invited lectures, services,etc.) of the Faculty during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
1	Joyce Jose	Smart Learning Instead of Hard Learning- (using biology to cope with online learning challenges)	Scouts and Guides and Social Sciences Club, St. Sebastian's High School, Thodupuzha	Local	14/11/2020
2	Joyce Jose	Wildlife Conservation-Connecting the Dots - Invited talk	Dept of Botany, Carmel College Mala	State	08-10-2020

3	Joyce Jose	Appreciating Animal Communications - a Mental Health Exercise	SOS Childrens Village and AkshayaPusthakaNidhi, SOS Village Thrissur	Local	25-01-2020
4	Joyce Jose	Walk With the Scholar- Opportunities in Biology (for all subjects)	Morning Star Home Science College	State	25-01-2020
5	Joyce Jose	International Conference on Climate Change adaptation and Mitigation (Moderator of Panel Discussion and Resource Person)	Finishing School, St. Thomas College, Thrissur	International	09-01-2020
6.	Vimala K John	An invited Talk on Women health and nutrition – Youth under age 25	Carmel College Mala	State level	20/01/2020
7	Vimala K John	An invited talk-How to care the home at Covid Pandemic	Kudumbasree Unit Trainers Ernakulum	State level	8/08/2020
8	Vimala K John	An invited talk – health on teenage girls (in association with nutrition month celebration )	Amway –Corporation India	National Level	02/09/2020
9	Vimala K John	An invited talk –Women health basket (in association with nutrition month celebration)	Amway –Corporation India	National Level	12/09/2020
10	Vimala K John	An invited talk –Boost Your immunity (in association with nutrition month celebration)	Amway –Corporation India	National Level	19/09/2020

### K. Special achievements/awards during 2020, if any

### L. Abstracts in Proceedings

Sl. No	Name	Title of event	Title of the Abstract	Organizer & venue	International/ National	Date
1	Josna Victoria Johnson & Dr Vimala K John	National conference on Harnessing Microbial Wealth for Startups in Life-sciences	Study the effect of pesticide amended media on the tolerance activity of selected bacterial isolates from forest area.	Microbiology Department, SPPU	National	29-31/01/2020



2	Amrutha M & Dr Vimala K John	National conference on Harnessing Microbial Wealth for Startups in Life-sciences	Leptocorisa diversity and density in selected paddy fields of Thrissur District, Kerala	Microbiology Department, SPPU	National	29-31/01/2020
3	Meharban M.P. & Dr Vimala K John	International Seminar on Current Status and challenges for Conservation and Sustainable use of Biodiversity	Ecology and Diversity of Brachionidae in Enamakkal lake in Thrissur District, Kerala	PG & Research Department of Zoology, S N College, Kollam, Kerala.	International	22-24/01/2020
4	Meharban M.P. & Dr Vimala K John	International seminar on Biodiversity Conservation and Climate Change	Seasonal variations of zooplankton community in Enamakkal lake in Thrissur District, South India	PG & Research Department of Zoology, St. Joseph's college, Devagiri, Kozhikode, Kerala.	International	3-4/01/2020
5	Parvathy C A & Dr Vimala K John	International seminar on Biodiversity Conservation and Climate Change	Rapid depletion of native fishes in Thrissurkole wetlands	PG & Research Department of Zoology, St. Joseph's college, Devagiri, Kozhikode, Kerala.	International	3-4/01/2020
5	Agnes I Ouseph and Dr Vimala K John	National Seminar on Biodiversity	Isolation, Identification and Characterization of Plastic degrading Bacteria From Soil contaminated with Plastic Products	PG & Research Department of Zoology, University of Kerala	National	12/01/2020
6	Dias K Paulson and Dr Vimala K John	Symposium - INSPIRO	A metagenomic study on bacterial composition for the comparison of household and hotel waste vermin composting system	Kerala Agriculture University, College of Agriculture Vellayani, Trivandrum	International	15/01.2020
5	Neethu MU	INTERNATIONAL SEMINAR ON BIODIVERSITY CONSERVATION & CLIMATE CHANGE ON	A COMPARITIVE STUDY OF MICROHABITAT SELECTION, CO-HABITATION AND OVIPOSITION OF TWO CNEMASPIS SPECIES; CNEMASPIS LITTORALIS (Jerdon, 1853) AND CNEMASPIS GRACILIS (Beddome, 1870) FROM NON FORESTED AREAS OF CENTRAL KERALA	PG & RESEARCH DEPARTMENT OF ZOOLOGY, ST. JOSEPH'S COLLEGE (AUTONOMOUS) DEVAGIRI, KOZHICODE, KERALA, INDIA	International	3 <sup>rd</sup> AND 4 <sup>th</sup> JANUARY 2020 ,

## **Part II**

### **B. Details of Seminar/Workshops organized by the Centre during 2020 (latest first)**

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration
1	National Science Day	Vimala K John	Sponsored by KSCSTE and Organized by Research & Postgraduate Department of Zoology, St. Thomas' College (Autonomous), Thrissur	National	25th February 2020 s
2	Doctor's Day	Vimala K John	Research & Postgraduate Department of Zoology, St. Thomas' College (Autonomous), Thrissur	National	1 <sup>st</sup> June 2020
3	Webinar World Zoonotic day 2020 --	Shaun Paul Adambukulam Assistant Professor,	Research & Postgraduate Department of Zoology, St. Thomas' College (Autonomous), Thrissur.	National	6 <sup>th</sup> July 2020
4	Webinar on Research and Publication Ethics	Dr. Joyce Jose (Zoology) And Dr Viju MJ (English)	Research Council Dept of Library and Information Sciences and IQAC In Association with DoR, University of Calicut	International Around 1960 Participants from 23 states of India and nine countries attended	06-08-2020
5	World Ozone Day	Sheeba Raphael, Assistant Professor,	Research & Postgraduate Department of Zoology, St. Thomas' College (Autonomous), Thrissur.	National	06/09/2020
6	Intercollegiate Photography Competition part of Wildlife week celebration	Dr. Binoy CF	Research & Postgraduate Department of Zoology, St. Thomas' College (Autonomous), Thrissur.	National	First week of October- 2020

**Dr. C V David Asso. Prof. & HOD**

**Name & Designation of the  
Head of the Research Centre**

**ST. THOMAS COLLEGE, THRISSUR****RESEARCH CENTRE IN BOTANY**

**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**

(From January 01, 2020 onwards)

**Name of Research Centre : Research and PG Department of Boatany**  
**Address : St. Thomas' College (Autonomous) Thrissur, 680001**  
**E-mail ID & Contact No. : stcthrissur@gmail.com, 0487 2420435**

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**A. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research domain	Subject (if more than 1, specify)
1	Dr. Anto P.V	Assistant professor	Plant Taxonomy, Microbiology, Ecology	Botany
2	Dr. Vimala Jose	Assistant professor	Plant Nanotechnology	Botany
3	Dr. Joby Paul	Assistant professor	Environmental Sciences	Botany
4	Dr. Ignatius Antony	Associate professor	Taxonomy of Angiosperms, Pteridophytes, Fungi, Algae	Botany
5	Dr. Silvy Mathew	Assistant professor	Molecular Taxonomy & Phytochemistry	Botany
6	Dr. Meena K Cheruvathur	Assistant Professor	Plant biotechnology, Phytochemistry and Microbiology	Botany

**B. Details of Publications during 2020 (latest first)**

**(i) Publications in International Journals during 2020 (latest first)**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with doi	Impact Factor, if any
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1.	Neenu A Santhosh and <b>Anto P.V</b>	Metagenomic Insights of Endophytic Bacteria in <i>Morindapubescens</i> using NGS Technology	<i>Indian Journal of Natural Sciences</i> , Vol.10 / Issue 60: 19704-19710	TNSRO publication, June 2020	1.6
2.	Drishya Sasidharan, T.R. Namitha , Smera P. Johnson, <b>Vimala Jose</b> , Paulson Mathew	Synthesis of silver and copper oxide nanoparticles using <i>Myristica fragrans</i> fruit extract: Antimicrobial and catalytic applications	Sustainable Chemistry and Pharmacy 16 (2020) 100255	Elsevier, <a href="https://doi.org/10.1016/j.scp.2020.100255">https://doi.org/ 10.1016/j.scp.2 020.100255</a>	2.64
3	Tiwari DK, Valenzuela J, Tripathi D and <b>Silvy Mathew</b>	Fabrication of Carbon Based Nanostructured Materials on Si/SiO <sub>2</sub> Substrate and Their Growth Mechanism over Different Catalysts.	Nanomedicine & Nanotechnology 2020: 5(1): 1-8	MEDWIN PUBLISHERS February 01, 2020 <a href="https://doi.org/10.23880/nnoa-16000175">https://doi.org/ 10.23880/nnoa -16000175</a>	1.56 Publons, open access
4	<b>Silvy Mathew</b>	Experimental analysis on Chlorophyll, Amino acid and Nitrate contents of Apocynaceae and Asclepiadaceae	Plant Archives, 2020:20(1). 2238- 2242.	April 2020	0.070 Scopus& UGC Care
5	<b>Silvy Mathew</b> , Cristiane P. Victório	Antifungal Properties of Rhizomes of <i>Alpinia calcarata</i> Roscoe from Western Ghats, South India.	International Journal of Pharmaceutical and Phytopharmacolo gical Research.2020: 10(5):1-7.	October 2020	Scopus& UGC Care
6	<b>Silvy Mathew</b> , D K Tiwari, Dhananjay Tripathi	Interaction of Carbon Nanotubes with plant system:A review.	Carbon letters.	October 2020 <a href="https://doi.org/10.1007/s42823-020-00195-1">https://doi.org/ 10.1007/s4282 3-020-00195-1</a>	Scopus& UGC Care

7	<b>Silvy Mathew,</b> Cristiane P. Victório, Jasmine Sidhi M S, Baby Thanzeela B.H	Biosynthesis of silver nanoparticle using flowers of <i>Calotropis gigantea</i> (L.) W.T. Aiton and activity against pathogenic bacteria,	Arabian Journal of Chemistry.	December 2020	Scopus& UGC Care
8	<b>Meena K Cheruvathur</b> & sheeba C.V.	Ethno Medicinal Practices of Tribes of Muthanga, Wayanad District of Kerala, India	A Journal of Composition Theory, 2020, 13 (9), 196-206		UGC Care list
9	<b>Meena K Cheruvathur</b> & Shafna Jose	Toxicological properties and chemical profiling of native plants geographically distributed in and around Thrissur district, Kerala, India	Journal of critical Reviews 2020, 7 (18)		Scopus

(ii) **Publications in National Journals during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by	Impact Factor, if any
1	K.K. Seena, Ignatius Antony and <b>Anto P.V.</b>	Seasonal Influences on Phytoplankton Diversity in Tributaries of River Bharathapuzha, Palakkad District	Indian Hydrobiology, 1&2, 252-264	20-05-2020		

(iii) **Book(s) authored/Edited Volumes/Chapters during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Publisher, Volume, pages	Date of Publication	International/ National
1	Jacob Shaibu, Aparna V. Joseph, Lakshmidevi PR, Arya MB, Sreeshma PS and <b>Joby Paul</b>	Kerala: Past, Present and Future perspectives BIODIVERSITY OF KERALA: A HISTORICAL PERSPECTIVE	Nova Science Publishers, NY, USA pp - 27 -74 ISBN: 978-1-53618-710-6	2020	

2	N.Thajuddin and <b>Silvy Mathew</b>	Phytonanotechnology: A historical perspective, current challenges and prospects (Book Chapter)	Elsevier Vol.1: p. 324	2/6/2020	Phytonanotechnology: Challenges and prospects International
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(a) Average Impact Factor of publications from the centre

(b) Patents (if any) (latest first)

- Granted
- Filed

**C. Details of PhD awarded during 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Subject	Date of award

**D. Details of PhD Registration for 2020 (New) (latest first)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of Registration	Part time/ Full time	Nature of fellowship
1	Blessy Santhosh	Dr. Meena K. Cheruvathur (Guide) Dr. Joby Paul (Co-guide)	Transcriptomic analysis of genes involved in Potassium solubilisation of rhizosphere acclimatized bacteria and its effects on plant growth regulation	Botany	09/11/2020	Full time	CSIR - JRF
2	Reshma Rajan	Dr. Silvy Mathew (Guide) Dr. Vimala Jose (Co-guide)	Green synthesis, characterization, biological activities of silver nanoparticles and phylogenetic analysis of <i>Gmelina arborea</i> L.	Botany	21/10/2020	Full time	Nil

**E. Details of M.Phil. students for 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing

**F. New Research Projects sanctioned during 2020 (latest first)**

Sl.No.	Principal	Title	Funding	Order No.	Amount
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	Investigator		Agency		

### G. Ongoing Research Projects (latest first)

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

### H. Research Projects submitted during 2020 (latest first)

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount
1	Dr.Silvy Mathew	"Science communication through folk media by stage performance and documentation"	DST	TPN / 49065	31,62,500

### I. Details of Seminar/Workshops attended during 2020 (latest first)

Sl.No	Name	Title of the event	Organizer & venue	International/ National	Period
1	Dr. Anto P.V	Short term 3 –Week certificate course on Patenting and Commercialization of Herbal Products	Princ.K M kundnani College of Pharmacy and Pharma Literati	National	17-10-2020-8-11-2020
2	Dr. Anto P.V	The art of Scientific Writing and Publishing	Department of Botany &I.Q.A.C St Thomas College, Thrissur	National	26-09-2020
3	Dr. Anto P.V	Webinar on Interpreting Plant Taxonomy	Department of Botany &I.Q.A.C,S. N College,Kollam	National	03-08-2020
4	Dr. Anto P.V	International Webinar on Generic Systematics and the Conservation of Plants in the 21 <sup>st</sup> Century	Department of Botany Carmel college Mala	International	8-07-2020
5	Dr. Anto P.V	Biotechnology in Space	Department of Biotechnology,SAFI Institute of Advanced	International	7-7-2020

			Study,Malappuram		
6	Dr. Anto P.V	The People and The principles Behind Nature-The What,The Why, And The How	Springer Nature in Collaboration with INFLIBNET Centre		18-06-2020
7	Dr. Anto P.V	National Webinar on Organized and successful Life Science Research-Desk to Universal	Department of Botany and Zoology St.Thomas College Thrissur	National	15-06-2020
8	Dr. Anto P.V	Webinar on celebrating Biodiversity amidst the pandemic	Department of Botany and Nature Club	National	08-06-2020
9	Dr. Anto P.V	International Webinar on Doctrinal on Plant Functional Biology	Department of Botany, IQAC,Sir Syed College,Thaliparamba,KSH EC	International	5 to7-06-2020
10	Dr. Anto P.V	Managing online classes,co-creating moocs:2.0	Teaching learning Centre,Ramanujan College,University of Delhi	National	18-05-2020to03-06-2020
11	Dr. Anto P.V	Webinar on Online Learning Apps and tools for Higher Education	IQAC St Thomas College, Thrissur	National	27-05-2020
12	Dr. Anto P.V	Webinar on Classrooms to Online Platforms:Dealing with Transitions in Teaching Learning Methods	IQAC, Little flower college ,Guruvayoor	National	23-05-2020
13	Dr. Anto P.V	Webinar on NAAC Accreditation for autonomous/affiliated Colleges	St Thomas College, Thrissur	National	22-5-2020
14	Dr. Anto P.V	Molecular Taxonomy and DNA Barcoding:Concepts, Methods and	R.D & S.H National College and S.W.A	National	20-5-2020



		Applications	Science College		
15	Dr. Anto P.V	Webinar on Outcome Based Education	St Thomas College, Thrissur and Kerala state higher Education Council	National	13-05-2020
16	Dr. Anto P.V	UGC Sponsored Refresher Course	UGC Human Resource Development Centre	National	06-02-2020 to 19-02-2020
17	Vimala Jose	The Art of Scientific Writing and Publishing	Department of Botany St. Thomas' College [Autonomous], Thrissur	National	26/09/2020
18	Vimala Jose	National Education Policy [NEP] - Intent, Implementation and Impact	IQAC, St. Thomas' College [Autonomous], Thrissur	National	18/08/2020
19	Vimala Jose	Research and Publication Ethics,	Research Council, Library and Information Studies and IQAC, St. Thomas' College [Autonomous], Thrissur	National	06/08/2020
20	Vimala Jose	Online learning apps and tools for Higher Education	IQAC, St. Thomas' College [Autonomous], Thrissur	National	27/05/2020
21	Vimala Jose	Organized and Successful Life Science Research	IQAC, Department of Botany and Zoology, St. Thomas' College [Autonomous], Thrissur	National	15-16/05/2020
22	Vimala Jose	Outcome Based Education	St. Thomas' College [Autonomous]	National	13/05/2020

			], Thrissur and Higher Education Council, Kerala State		
23	Joby Paul	Challenges in Cultivating Scientific Temper	Prof. Rajamma memorial lecture series, Department of Botany, Maharajas College, Ernakulam	National	21/12/2020.
24	Joby Paul	The Art of Scientific Writing and Publishing	Department of Botany St. Thomas' College [Autonomous ], Thrissur	National	26/09/2020
25	Joby Paul	National Education Policy [NEP] - Intent, Implementation and Impact	IQAC, St. Thomas' College [Autonomous ], Thrissur	National	18/08/2020
26	Joby Paul	Research and Publication Ethics,	Research Council, Library and Information Studies and IQAC, St. Thomas' College [Autonomous ], Thrissur	National	06/08/2020
27	Joby Paul	Online learning apps and tools for Higher Education	IQAC, St. Thomas' College [Autonomous ], Thrissur	National	27/05/2020
28	Joby Paul	Organized and Successful Life Science Research	IQAC, Department of Botany and Zoology, St. Thomas' College [Autonomous ], Thrissur	National	15-16/05/2020
29	Joby Paul	Outcome Based Education	St. Thomas' College	National	13/05/2020

			[Autonomous ], Thrissur and Higher Education Council, Kerala State		
30	Silvy Mathew	National Level Webinar And Scientific Paper Presentation Competition	Department of Botany, Vimala College, Thrissur	National	18/12/2020
31	Silvy Mathew	Agbiotech advancements and crop improvements	Department of Botany, Vimala College, Thrissur	International	11/12/2020
32	Silvy Mathew	National Level FDP on Skills for Next Generation Teachers	Vimala College, Thrissur	International	01-07/12/2020
33	Silvy Mathew	National Webinar on Applications of Plant Tissue Culture	Department of Botany, Vimala College, Thrissur	National	10/11/2020
34	Silvy Mathew	Online webinar on the Response of the DBTs Institutes to the COVID-19	Department of Biotechnology, Delhi	International	25/10/2020
35	Silvy Mathew	Online FDP on Research and Career	Vimala College, Thrissur	International	19-23/10/2020
36	Silvy Mathew	International Webinar on Phytochemistry-2020	Kerala Academy of Sciences, Thiruvananthapuram	International	28& 29/9/2020
37	Silvy Mathew	Scope and Future Prospects of Botany	Department of Botany, Vimala College, Thrissur	National	25/09/2020
38	Silvy Mathew	International webinar on Recent trends in biological sciences	Dept.of Botany& Zoology, Vimala College, Thrissur	International	09&29/09/2020
39	Silvy Mathew	National Webinar on NEP 2020- The New	IQAC, Vimala	National	25/08/2020

		Paradigm of Education	College, Thrissur		
40	Silvy Mathew	Molecular Diagnostic platforms through chemistry, Biology and Nanotechnology	Dept.of Botany, University of Kerala	National	21/8/2020
41	Silvy Mathew	National webinar on Beyond the boundaries- Approach towards Interdisciplinary sciences	Vimala College, Thrissur	National	10/8/2020
42	Silvy Mathew	Webinar on Research and Publication Ethics	St.Thomas College, Thrissur	National	06/08/2020
43	Silvy Mathew	International E-Conference on COVID-19 global impacts	African British Journals	International	20-21, July 2020
44	Silvy Mathew	Webinar on, "Role of Yoga during Covid 19 pandemic",	Department of Botany, Vimala College (Autonomous), Thrissur	National	22/07/2020
45	Silvy Mathew	Webinar on Assessment paradigms in outcome based education	IQAC, Vimala College, Thrissur	National	21/7/2020
46	Silvy Mathew	How to submit a winning Project Proposal	IQAC, Vimala College, Thrissur	National	20/7/2020
47	Silvy Mathew	Lifeless subverting the living	Department of Botany, Vimala College (Autonomous), Thrissur	National	30/06/2020
48	Silvy Mathew	Online webinar on Academic publishing and Quality Research Tools and Techniques	IQAC, Vimala College, Thrissur	National	3/6/2020
49	Silvy Mathew	Nurturing Research Culture and Enhancing Teaching Learning through the Star College Scheme	Faculty of Science, Patna Women's College,	National	17-18/06/2020

		of DBT	Autonomous (Patna University).		
50	Silvy Mathew	State level webinar on Is this the best Environment Day for ever?Takes on Nature during the pandemic and beyond	Department of Botany, Vimala College, Thrissur	National	05/06/2020
51	Silvy Mathew	One Week Live Webinar Series of International E-Conference in Plant Sciences	Department of Studies in Botany, Davangere University	International	25 - 30/05/2020
52	Silvy Mathew	Online webinar on International Day Of Biological Diversity	Biotechnica	International	22-05-2020
53	Silvy Mathew	Online webinar on Indoor gardening: A guide for beginners	Department of Botany, St Xavier's College for Women, Aluva	National	20-05-2020
54	Silvy Mathew	Webinar on “Use of online resources in teaching – learning process”	HNB Garhwal University	International	20/05/2020
55	Silvy Mathew	Molecular Taxonomy and DNA Barcoding:Concepts, Methods and Applications	R D & S H National College & SWA Science College, Mumbai	National	20-05-2020
56	Silvy Mathew	Online International Conference on “Biodiversity Conservation and Tourism” on	Shri. S. H. Kelkar College of Arts, Commerce and Science, Maharashtra	International	17/05/ 2020.
57	Silvy Mathew	‘National Webinar on Organized and Successful Life Science Research-Desk to Universal’	Departments of Botany & Zoology, St. Thomas’ College, Thrissur	National	15-16/05/2020
58	Meena K Cheruvathur	International Webinar Series on Biological Sciences- "Generic Systematics	PG and Research Department of Botany,	International	8/07/2020

		and the Conservation of Plants in the 21st century"	Carmel College, Mala, Thrissur		
59	Meena K Cheruvathur	Webinar on Therapeutic Role of Medicinal Plants in the management of Diabetic complications	Department of Zoology, KKTM College, Pullut	Nationl	25/09/2020
60	Meena K Cheruvathur	Horticulture therapy for persons with special needs- all you want to know	KILA, Thrissur	State	10/10/2020

**J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2020 (latest first)**

Sl.No	Name	Title of the event	Organizer & venue	International/ National	Date
1	Dr. Anto P.V	Plant identification and authentication	St. Thomas College, Thrissur	National	30-12-2020
2	Dr. Anto P.V	Subject Expert-Guest Interview	St. Aloysius College, Elthuruth	National	29-07-2020
3	Dr. Anto P.V	Elavally G.P Kulavetty tree planting	Elavally Grama Panchayath, Elavally	National	28-02-2020
4	Joby Paul	Fundamental Aspects of Numerical Taxonomy	Department of Botany and Bhoomithrasena Club, CMS College, Kottayam	National	23/10/2020
5	Joby Paul	Practical session on Plant Taxonomic Keys	Department of Botany and Bhoomithrasena Club, CMS College, Kottayam	National	09/10/2020
6	Joby Paul	Water and Energy Management	St. Thomas' College	National	02/10/2020

			[Autonomous], Thrissur		
7	Silvy Mathew	Webinar on Science and Technology on waste Management (Resource Person)	NSS, Vimala College, Thrissur	National	22/12/2020
8	Silvy Mathew	Webinar on Art of Research article writing and Publishing (Resource Person)	SB College, Changanacherry	National	07/11/2020
9	Silvy Mathew	Webinar on Research article writing and Publishing (Resource Person)	Vimala College, Thrissur	National	03/11/2020
10	Meena K Cheruvathur	Basics of Organic farming	Online invited lecture for NSS Volunteers of St. Mary's College, Thrissur, NSS unit	Regional	20/12/2020
11	Meena K Cheruvathur	Organic Remedies for Deficiency Diseases in Plants	Webinar organized by NSS Unit, Carmel College, Mala	Regional	9/12/2020
12	Meena K Cheruvathur	Invited talk to Farmers of Thanniyam Krishibhavan- "Medicinal plants for health and income"	Krishibhavan, Thanniyam, Thrissur	Regional	4/12/2020
13	Meena K Cheruvathur	New innovations in Agriculture	Webinar organized by NSS Unit, Soccorso Convent Girls Higher Secondary School, Mala	Regional	2/09/2020
14	Meena K Cheruvathur	You tube lectures <a href="https://youtu.be/-xLu2lbPt9o">https://youtu.be/-xLu2lbPt9o</a>	You tube, Marian Webisode, Nirmal media,	You tube	
15	Meena K Cheruvathur	<a href="https://www.youtube.com/channel/UCEDP...">https://www.youtube.com/channel/UCEDP...</a>	You tube, Marian Webisode, Nirmal media,	You tube	18 <sup>th</sup> July. 2020
16	Meena K Cheruvathur	<a href="https://youtu.be/7HN9HGkazMc">https://youtu.be/7HN9HGkazMc</a>	You tube, Marian Webisode, Nirmal media,	You tube	
17	Meena K Cheruvathur	<a href="https://www.youtube.com/watch?v=-a7H3PM0JFA">https://www.youtube.com/watch?v=-a7H3PM0JFA</a>	You tube, Marian Webisode, Nirmal media,	You tube	
18	Meena K Cheruvathur	<a href="https://m.youtube.com/watch?v=o8pXEYZDExc">https://m.youtube.com/watch?v=o8pXEYZDExc</a> <a href="https://youtu.be/ghy_mTQjPGc">https://youtu.be/ghy_mTQjPGc</a>	You tube, Marian Webisode, Nirmal media,	You tube	Aug 9, 2020 Aug, 23 <sup>rd</sup> , 2020

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### Services- Events organized

Sl No	Event	Organised by	Role of faculty	Date

### K. Special achievements/awards, if any

- **Dr.AntoP.V** - Best Researcher Award-12<sup>th</sup> International Scientist Awards on Engineering, Science and Medicine-20&21/Nov/2020-Visakhapatnam, India
- Dr. Silvy Mathew - **Innovative Researcher and Dedicated Academician Award (National Level)** by The society of Innovative Educationalist & Scientific Research Professional Chennai, accredited with Innovative Scientific Research Professional Malaysia

## Part II

### A. Details of Seminar/Workshops organized by the Centre (latest first)

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration
1	The art of Scientific Writing and Publishing	Dr.Anto P.V	Department of Botany & I.Q.A.C St Thomas College, Thrissur	National	26-09-2020
2	Webinar on celebrating Biodiversity amidst the pandemic	Dr.Anto P.V	Department of Botany and Nature Club	National	08-06-2020

### B. Special achievements/awards, if any

Sd/-  
Name & Designation of the  
Head of the Research Cen



**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**

(From January 01, 2020 onwards)

**Name of Research Centre** : Research and PG Department of  
**Commerce**

**Address** : St. Thomas College (Autonomos), Thrissur

**E-mail ID & Contact No.** : drbijujohnm@gmail.com 9447448568

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**Q. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research domain	Subject (if more than 1, specify)
1	Dr. Biju John M	Associate Professor & HEAD	Finance	Commerce
2	Dr. Thomas Paul Kattookaran (Retd)	Associate Professor (Retd)	Finance	Commerce
3	Dr. Paul Jose P. (Retd)	Associate Professor (Retd)	Finance	Commerce
4.	Dr. Sindhu K.P.	Asst. Prof. NSS College Nenmara	Finance	Commerce

**R. Details of Publications during 2020 (latest first)**

**(vii) Publications in International Journals during 2020 (latest first)**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with doi	Impact Factor, if Any
1.	Divya George & Dr. Thomas Paul Kattookaran	Influence of Consumer Sales Promotion Tools on the Buying Behaviour of People; With Special Reference to the Retail Stores in Kerala)	NOVYI MIR Vol: 5, Issue: 8;	IZD STVO IZVESTIYA  <b>PUSHKINSKAYA PL 5, MOSCOW, RUSSIA, K-6</b> <b>ISSN 0130-7673</b> August 2020 DOI: 16.10098.NMRJ.2020.V5I8.256342.1717	6.1
2.	Nishija Unnikrishnan and Dr. Thomas Paul Kattookaran	Determinants of Public Infrastructure Investment: Evidence from India	NOVYI MIR Research Journal Volume 5, Issue 8, 2020	IzdStvoIzvestiya, Pushkinnskaya Russia  ISSN No.: 01307673 DOI: 16.10098.NMRJ.2020.V5I8.256342.1714	6.1

**(viii) Publications in National Journals during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by	Impact Factor, if any
1	1. Divya George 2. Dr. Thomas Paul Kattookaran	(A Study on the Factors Attracting Customers of FMCG Sector to Gambling Based Sales Promotion Tools: with Special Reference to Business Houses in Kerala)	Studies in Indian Place Names Vol-40-Issue-3-	February-2020	ISSN: 2394-3114	
2	1.D. Choondal Alfred, K. 2. SowmiaRajan K 3. M. Biju John	“Permission Marketing as a Tool of Ethical Marketing”	THINKINDIA(Quarterly Journal) Vol-22-Issue-9	November (2019) <a href="https://doi.org/10.26643/think-india">https://doi.org/10.26643/think-india</a>	ISSN: 0971-1260	6.2
3	1. K. SowmiaRajan 2.M. Biju John	“Effectiveness of CRM Strategies among Commercial Banks”	Studies in Indian Place Names Vol-40-Issue-3-	February-2020	ISSN: 2394-3114	
4	1.Sindhu George 2.Dr. Biju John M 3.Nayan Krishna T S	“Entrepreneurial Mindset among Arts and Science College Students in Kerala’	Think India Journal, Vol-22-Issue-10-	November-2019	ISSN: 0971-1260	6.2
5	1.Sindhu George 2.Dr. Biju John M	“An Evaluation Of Prime Minister’s Employment Generation Programme With Reference To Thrissur District”	Studies in Indian Place Names (UGC Care Journal) Vol-40-No.3-	February-2020	ISSN: 2394-3114	
6	1. J, Jilna 2. M, Biju	“Counterfeit Luxury Products – A Challenge for	Studies in Indian Place Names Vol-	February-2020	ISSN: 2394-3114	

	John	Sustainable Development in Business”	40-Issue-3-			
7	1 R, Remya 2 M, Biju John	“Gold v/s Crude Oil in India : Lead – Lag Game”	Tathapi, 19(31)	June 2020	ISSN: 2320-0693	5.6

(ix) **Book(s) authored/Edited Volumes/Chapters during 2020 (latestfirst)**

Sl. No	Author(s) in Order	Title	Publisher, Volume, pages	Date of Publication	International/ National

(e) Average Impact Factor of publications from the centre

(f) Patents (if any) (latestfirst)

- Granted
- Filed

**S. Details of PhD awarded during 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Subject	Date of award
1	Febina K	Dr. Thomas Paul Kattookaran	<i>“Foreign Direct Investment (FDI) Flows to India: A Study on Regional Distribution”</i>	Commerce	July 2020

**T. Details of PhD Registration for 2020 (New) (latestfirst)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of Registration	Part time/ Full time	Nature Of Fellowship
1.	Sreekumar P G	Dr.Sindhu K.P	The changing consumption and savings pattern in Anamoly– A study among salaried House holds in Kerala”.	Commerce	08 December 2020	Part time	NIL
2.	Choondal Alfred Deepthi	Dr.Sindhu K.P	Stakeholders’ perception and expectation on post-merger public sector banks (PSBS)	Commerce	14 December 2020	Full time scholar	JRF

**U. Details of M.Phil. students for 2020 (latestfirst)**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing

**V. New Research Projects sanctioned during 2020 (latestfirst)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**W.Ongoing Research Projects (latestfirst)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**X. Research Projects submitted during 2020 (latestfirst)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**I. Details of Seminar/Workshops attended during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Period
1	Divya George	Webinar on” Research and Publication Ethics”	Research Council Dept. of Library & Information Studies & IQAC of St. Thomas College (Autonomous) Thrissur	National	29-8-2020.
2	Divya George	5 days National webinar series on “Research Methodology- AXIOM 2020”.	R Sankar Memorial SNDP yogam College, Koyilandy	National	19 <sup>th</sup> August to 23 <sup>rd</sup> August 2020
3	Divya George	One Week National Research Methodology Webinar series	organized by IQAC & Research Forum of Mar Thoma College, Chungathara	National	10-08-2020 to 20-8-2020.
4	Divya George	Webinar on “Impact of Covid-19 on the Economy and its Effect on Banking Sector”	St. Paul's College, Kalamassery	National	10-8-2020.
5	Divya George	Webinar on “Writing a	Mar Athanasius College,	National	11-5-2020.

		Winning Proposal”	Kothamangalam		
6	Divya George	Two day National “Webinar on Gateway to Research”	Malabar College of Advanced Studies, Vengara Kerala State Higher Education Council	National	6 <sup>th</sup> & 7 <sup>th</sup> July 2020
7	Divya George	Webinar on “The art of Writing Research Papers”	Mar Athanasius College (Autonomous), Kothamangalam	National	14-5-2020
8	Divya George	Five day International webinar on “Impact of Covid 19 on Banking, Finance and Business-National & Global Perspective	the Department of Commerce & IQAC, Payyanur in association with The Kerala State Higher Education Council	National	25 <sup>th</sup> to 30 <sup>th</sup> May 2020.
9	Divya George	5 Day Online workshop on Data Analysis in Social Science Research	Thiagarajar College of Preceptors, Madurai, Tamil Nadu from	National	7-5-2020 to 11-5-2020.
10	Divya George	Two day online FDP on Project Proposals for funding Agencies(UGC ICSSR Impress )	Patrician College of Arts & Science, Chennai	National	16-5-2020 to 17-5-2020.
11	Divya George	Two Days Faculty Development Programme on “Research Publications in Social Sciences”	organized by Department of Economics, Nirmala College for Women, Red Fields, Coimbatore	National	28th-29th May, 2020.

12	Divya George	A Two Day Online Course on "The Essence of Research Methodology"	PG Department of Commerce (SF) Jamal Mohamed College (Autonomous), Tiruchirappalli	National	16-05-2020 to 17-05-2020.
13	SowmiaRajan K	Webinar on "Research and Publication Ethics"	Research Council Dept. of Library & Information Studies & IQAC of St. Thomas College (Autonomous) Thrissur	National	29-8-2020.
14	SowmiaRajan K	5 days National webinar series on "Research Methodology-AXIOM 2020".	R Sankar Memorial SNDP Yogam College, Koyilandy	National	19th August to 23rd August 2020
15	SowmiaRajan K	One Week National Research Methodology Webinar series	organized by IQAC & Research Forum of Mar Thoma College, Chungathara	National	10-08-2020 to 20-8-2020.
16	SowmiaRajan K	Webinar on "Impact of Covid-19 on the Economy and its Effect on Banking Sector"	St. Paul's College, Kalamassery	National	10-8-2020.
17	SowmiaRajan K	Webinar on "Writing a Winning Proposal"	Mar Athanasius College, Kothamangalam	State	Webinar on "Writing a Winning Proposal"
18	SowmiaRajan K	Two day National "Webinar on Gateway to Research"	Malabar College of Advanced Studies, Vengara Kerala State Higher Education Council	National	6th & 7th July 2020
19	SowmiaRajan K	Webinar on "The art of Writing Research Papers"	Mar Athanasius College (Autonomous), Kothamangalam	National	14-5-2020
20	SowmiaRajan K	Five day International	the Department of Commerce &	National	25th to 30th

		webinar on IQAC, Payyanur “Impact of Covid in association 19 on Banking, with The Kerala Finance and State Higher Business-Education National & Council Global Perspective		May 2020.
21	SowmiaRajan K	5 Day Online workshop on Data Analysis in Social Science Research	Thiagarajar College of Preceptors, Madurai, Tamil Nadu from	National 7-5-2020 to 11-5-2020.
22	SowmiaRajan K	Two day online FDP on Project Proposals for funding Agencies(UGC ICSSR Impress )	Patrician College of Arts & Science, Chennai	National 16-5-2020 to 17-5-2020.
23	SowmiaRajan K	Two Days Faculty Development Programme on “Research Publications in Social Sciences”	organized by Department of Economics, Nirmala College for Women, Red Fields, Coimbatore	National 28th-29th May, 2020.
24	SowmiaRajan K	A Two Day Online Course on "The Essence of Research Methodology	PG Department of Commerce (SF) Jamal Mohamed College (Autonomous), Tiruchirappalli	National 16-05-2020 to 17-05-2020.
25	Sindhu George	Online Short Term Training Programme on ‘Entrepreneurship Development’	Programme Evaluation Committee, Department of Management, PSGR Krishnammal College for Women, Coimbatore (AICTE sponsored)	National 17-21 & 24 August 2020
26	Sindhu George	5 days National Webinar Series on “Research Methodology-	R. Sankar Memorial SNDP Yogam College, Koyilandy	National 19 <sup>th</sup> to 23 <sup>rd</sup> August 2020

		AXIOM 2020”			
27	Sindhu George	Participated in Webinar on “How to submit a winning Project Proposal”	IQAC of St.Josephs College (Autonomous) Irinjalakuda and Morning Star Home Science College , Angamaly	National	20-07-2020
28	Sindhu George	International Webinar on “Innovation and Intellectual Property Rights”	Marian College Kuttikkanam (Autonomous)	International	04-07-2020
29	Sindhu George	Two day National “Webinar on Gateway Research”	Malabar College of Advanced Studies, Vengara Kerala State Higher Education Council	National	6th & 7th July 2020
30	Sindhu George	Webinar on “Publishing Conceptual and Literature Review Based Papers in Quality Journals”	Shaheed Bhagat Singh College, University of Delhi	National	11-07-2020
31	Sindhu George	National Webinar on Online Tools for Citation Databases and Reference Management,	Department of Library ArulmiguPalanian davar College of Arts and Culture , Madhurai, Palani	National	01-06-2020
32	Sindhu George	National level online workshop on Data Analysis in Social Science Research	Thiagaraja College of Perceptors , Madurai, Tamil Nadu	National	May 07 to May 11 2020.
33	Sindhu George	A Two Day Online Course on "The Essence of Research	PG Department of Commerce (SF) Jamal Mohamed College	National	16-05-2020 to 17-05-2020.



		Methodology	(Autonomous), Tiruchirappalli		
34	Sindhu George	Two day online FDP on “Project of Arts & Proposals for Science, Chennai Funding Agencies(UGC STRIDE & ICSSR Impress): Preparation and Submission Protocol”	Patrician College	National	16-5-2020 & 17-5-2020
35	Sindhu George	Webinar on “The Art of Writing Research Papers”	Mar Athanasius College (Autonomous), Kothamangalam	National	14-5-2020
36	Sindhu George	Webinar on “Writing a Winning Project Proposal”	Mar Athanasius College, Kothamangalam	National	11-5-2020
37	Sindhu George	5 Day Online workshop on Data Analysis in Social Science Research	Thiagarajar College of Preceptors, Madurai, Tamil Nadu from	National	7-5-2020 to 11-5-2020
38	Sindhu George	Participated in the IIC Online Sessionsto promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs	Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi	National	28th April to 22nd May 2020
39	Jilna John	3 Day Webinar on “Managing Literature for Scholarly Writing”	Mar Athanasius College (Autonomous), Kothamangalam	National	28-30 September 2020

40	Jilna John	5 days National Webinar Series on “Research Methodology-AXIOM 2020”	R. Sankar Memorial SNDP Yogam College, Koyilandy	National	19 <sup>th</sup> to 23 <sup>rd</sup> August 2020
41	Jilna John	One Week National Research Methodology Webinar Series	Mar Thoma College, Chungathara	National	10-08-2020 to 20-08-2020
42	Jilna John	Webinar on “Research Ethics”	ArulmiguPalania ndavar Arts College for Women autonomous, Palani	National	10-08-2020
43	Jilna John	Webinar on “Research and Publication Ethics”	Research Council, Dept. of Library & Information Studies & IQAC of St. Thomas College (Autonomous) Thrissur	National	06-08-2020
44	Jilna John	Two day National Webinar on “Art of Writing and Publishing a Research Paper”	Malabar College of Advanced Studies, Vengara	National	14-07-2020 & 15-07-2020
45	Jilna John	Webinar on “Publishing Conceptual and Literature Review Based Papers in Quality Journals”	Shaheed Bhagat Singh College, University of Delhi	National	11-07-2020
46	Jilna John	Two day National Webinar on “Research	Malabar College of Advanced Studies, Vengara in association	National	6 <sup>th</sup> & 7 <sup>th</sup> July 2020

		Methodology in Economics, Commerce and Management”	with Kerala State Higher Education Council		
47	Jilna John	International Webinar on “Innovation and Intellectual Property Rights”	Marian College Kuttikkanam (Autonomous)	International	04-07-2020
48	Jilna John	FDP on “Statistical Tools and Techniques of Social Science Research”	St. Francis College, Bengaluru	National	20-06-2020
49	Jilna John	International Webinar on “How Do You Write a High Impact Factor Paper?”	Mahatma Gandhi College, Thiruvananthapuram	International	07-06-2020
50	Jilna John	Webinar on “Art of Publishing a Research Article”	Department of Commerce and Financial Studies, Bharathidasan University, Tiruchirappalli	National	02-06-2020
51	Jilna John	Five day International Webinar on “Impact of Covid 19 on Banking, Finance and Business-National & Global Perspective”	Department of Commerce & IQAC, Payyanur in association with The Kerala State Higher Education Council	International	25 <sup>th</sup> to 30 <sup>th</sup> May 2020
52	Jilna John	Webinar on “Production Management During Corona	NSS College, Nemmara	National	23-05-2020

		Virus Pandemic”			
53	Jilna John	A Two Day Online Course on "The Essence of Research Methodology	Jamal Mohamed College (Autonomous), Tiruchirappalli	National	16-05-2020 to 17-05-2020
54	Jilna John	Two day online FDP on “Project Proposals for Funding Agencies(UGC STRIDE &ICSSR Impress): Preparation and Submission Protocol”	Patrician College of Arts & Science, Chennai	National	16-5-2020 & 17-5-2020
55	Jilna John	Webinar on “The Art of Writing Research Papers”	Mar Athanasius College (Autonomous), Kothamangalam	National	14-5-2020
56	Jilna John	Webinar on “Writing a Winning Project Proposal”	Mar Athanasius College, Kothamangalam	National	11-5-2020
57	Jilna John	5 Day Online workshop on Data Analysis in Social Science Research	Thiagarajar College of Preceptors, Madurai, Tamil Nadu from	National	7-5-2020 to 11-5-2020
58	DarsanaSudharsan	Webinar on “Impact of Covid 19 on the Indian Economy: Problems & Prospects”	Morning Star Home Science College, Angamaly	National	14/05/2020
59	DarsanaSudharsan	Webinar on “Writing a Winning Project Proposal”	Mar Athanasius College, Kothamangalam	National	11/05/2020

60	DarsanaSudharsan	Webinar on “Impact of Lockdown on the Economy”	St. Xavier's College for Women, Aluva, Ernakulam	National	5/05/2020
61	DarsanaSudharsan	Webinar on "Investment for future"	St. Teresa's College (Autonomous), Ernakulam	National	5/05/2020
62	Remya R	National Webinar on “Financial Reporting - COVID 19 & Beyond”	Department of Commerce & Management, St. Aloysius Degree College & Centre for PG Studies	National	29/07/2020
63	Remya R	National Webinar on “New Horizons of Financial Research”	Research & Post Graduate Dept. of Commerce, KuriakoseGregor ios College, Pampady	National	06/06/2020
64	Remya R	National Webinar on “Managing your Finances & Investments During COVID 19”	Department of Commerce, Christ College (Autonomous), Thrissur	National	26/05/2020
65	Remya R	National Webinar on “Business & Society: Post COVID Thoughts”	Department of Commerce & Business Administration, Rajagiri College of Social Sciences(Autono mous), Kalamassery	National	17/05/2020
66	Remya R	Webinar on “Gamification Tools in Teaching”	IQAC, St. Xavier’s College for Women, Aluva		07/05/2020

67	Remya R	National Webinar on “Impact of Lockdown on the Economy”	Department of Economics, St. Xavier’s College for Women, Aluva	National	05/05/2020
68	Remya R	National level Webinar on “Investment for Future”	Department of Commerce, St. Teresa’s College in association with ICAI	National	05/05/2020
69	Remya R	Online National Workshop on “Fine Tuning Research Planning Using Elsevier tools: Science Direct, Scopus and Mendeley”	K J Somaiya College of Science & Commerce	National	25/4/2020
70	Urmila R Menon	Webinar series on “Sample size determination”	Government College, Attingal	National	22 <sup>nd</sup> September 2020
71	Urmila R Menon	Webinar on Research & Publication Ethics	St.Thomas’ College (Autonomous), Thrissur	National	06 <sup>th</sup> August 2020
72	Urmila R Menon	Webinar on “Marketing challenges and Employee Engagement during and post Covid 19”	Institute of Management in Kerala	International	30 <sup>th</sup> June 2020
73	Urmila R Menon	Webinar on “Management Education and Management courses in the backdrop of Covid 19”	De Paul Institute of Science and Technology	National	2 <sup>nd</sup> June 2020

74	Urmila R Menon	Webinar on Building financial security in times of crisis	Guru Nanak College of Arts, Science and Commerce, Mumbai	National	28/05/2020
75	Urmila R Menon	Webinar on Fine tuning your Research papers: Publication in Scopus, Web of science indexed and ABCD rated journals	Bharat Mata College, Thrikkakara, Kochi	National	27/05/2020
76	Urmila R Menon	Webinar series on Economic impact of Covid-19	Department of Economics and centre for research, St. Teresa's College (Autonomous), Ernakulam	International	25 <sup>th</sup> to 27 <sup>th</sup> May 2020
77	Urmila R Menon	Production Management during Coronavirus Pandemic	N.S.S College, Nemmara	National	23 <sup>rd</sup> May 2020
78	Urmila R Menon	Recent trends in Digital image processing	Shri Krishnaswamy College for Women, Chennai	National	20/05/2020
79	Urmila R Menon	Webinar on Impact of Covid-19, on the Indian Economy: Problems and prospects	Morning star Home science college, Angamaly South, Ernakulam	National	14/05/2020
80	Urmila R Menon	Webinar on "Writing a Winning Project Proposal"	Mar Athanasius College, Kothamangalam	National	11/05/2020
81	Urmila R Menon	Webinar on "Impact of	Saurashtra University	National	5 <sup>th</sup> and 6 <sup>th</sup> May of 2020

		COVID-19 pandemic on Micro, Small and Medium Enterprises and social structure”			
82	Urmila R Menon	National Seminar on Gateway to Research and UGC CARE LIST Publications	DCMS, University of Calicut	National	4 <sup>th</sup> & 5 <sup>th</sup> March 2020
83	NishijaUnnikrishnan	Webinar on Research & Publication Ethics	St.Thomas’ College (Autonomous), Thrissur	National	06/07/2020
84	NishijaUnnikrishnan	Webinar on “Management Education and Management courses in the backdrop of Covid 19”	De Paul Institute of Science and Technology	National	02/06/2020
85	NishijaUnnikrishnan	Webinar on Impact of Covid-19, on the Indian Economy: Problems and prospects	Morning star Home science college, Angamaly South, Ernakulam	National	14/05/2020
86	NishijaUnnikrishnan	Webinar on “Writing a Winning Project Proposal”	Mar Athanasius College, Kothamangalam	National	11/05/2020
87	NishijaUnnikrishnan	Webinar on “Impact of COVID-19 pandemic on Micro, Small and Medium Enterprises and social structure”	Saurashtra University	National	06/05/2020
88	NishijaUnnikrishnan	Webinar on “Impact of	St. Xavier's College for	National	5/05/2020



		Lockdown on the Economy”	Women, Aluva, Ernakulam		
89	NishijaUnnikrishnan	Webinar on "Investment for future"	St. Teresa's College (Autonomous), Ernakulam	National	5/05/2020
90	Anoop K G	Webinar on make a Best Impression: Successful Interview Insights	Palmuru University, Mahabubnagar	National	05.07.2020
91	Anoop K G	Statistical Inference and its Applications	St Francis College, Koramangala, Bangaluru	National	20.06.2020
92	Anoop K G	Art of Publishing a Research Article	Bharathidasan University, Tiruchirappalli	National	02.06.2020
93	Anoop K G	Economic Impact of Covid 19	St Teresa's College, Ernakulam	International	25 <sup>th</sup> to 27 <sup>th</sup> May 2020
94	Anoop K G	Post Covid Skilling Paradigm	Sree Vivekananda College, Kunnankulam	National	31.05.2020
95	Anoop K G	Me and My Nation	BhartiyaShikshan Mandal and J Z Shah Arts and H P Desai Commerce College, Amroli	National	26.05.2020
96	Anoop K G	Fine tuning your research papers: Publication in SCOPUS, Web of science indexed and ABCD rated	Bharata Mata College, Thrikkakara	National	27.05.2020

		journals			
97	Anoop K G	Managing your finance and investment during COVID 19	Christ College and Christ College, Irinjalakuda	National	26.05.2020
98	Ajesh Antony	National webinar on Economics of Gender and Gender of Economics	Department of Economics, Sacred Heart College, Chalakudy. In collaboration with Department of women's studies university of Calicut, Kerala, India.	National	08-09-2020
99	Ajesh Antony	Webinar on Practical approaches to social science Research	Nirmala college of arts and science college Chalakudy	National	21-08-2020
100	Ajesh Antony	international webinar on impact of covid-19 pandemic on global market and Indian economy	Department of Commerce and management in association with IQAC, Shri sai Baba AadarshMahavidyalaya, Ambikapur ,Surgujadist, Chhattisgarh. India	International	22-08-2020 and 23-08-2020
101	Ajesh Antony	Webinar on Research and Publication Ethics	Research Council, department of library & information studies and IQAC St Thomas College (Autonomous), Thrissur In association with Directorate of Research , University of Calicut	National	06-08-2020
102	Ajesh Antony	Webinar on New education policy & Higher education sector, Keralam-	IQAC and Heartian Beavers (Tech Innoadapt Team) Sacred Heart College Thevara ,	National	07-08-2020

		prospects, problems & preparedness	Kerala		
103	Ajesh Antony	SPSS Foundation Course	SD Alliance Analytics , Bangaluru , Karnataka	National	22/07/2020 to 24-07-2020
104	Ajesh Antony	How to submit a winning project proposal	IQAC St. Joseph's College Autonomous, Irinjalakuda Thrissur Kerala and Morning star Home science college Angamaly.	National	20-07-2020
105	Ajesh Antony	Webinar on Covid 19 - understanding a pandemic from a statistical perspective	Post graduate department of Mathematics, Al Ameen college, Edathala.	National	20-07-2020
106	Ajesh Antony	Webinar on Fundamental tenets of research methodology	Department of Management studies , Sahridaya college of advanced studies , Kodakara , kerala	National	01-07-2020
107	Ajesh Antony	Webinar on Managing Academic Research and Publishing in Top - tier Journals	Department of Statistics St. Thomas College (Autonomous) Thrissur	National	05-06-2020
108	Ajesh Antony	Webinar on Basic Approaches on Academic writing	IQAC, Research Directorate and Department of Microbiology , SAFI Institute of Advanced study Vazhayoor , Malapuram	National	29-05-2020
109	Ajesh Antony	Webinar on NAAC Accreditation for Autonomous/ Affiliated Colleges	St.Thomas College (Autonomous) Thrissur	National	22-05-2020
110	Ajesh Antony	Webinar on Preparing for Online Teaching	Sacred Heart College Autonomous Kochi	National	21-05-2020

111	Ajesh Antony	Webinar on Teaching - Learning Integration Through Learning Management System	IQAC Nirmalagiri College, Kannur	National	16-05-2020
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**J. Extension activities (Session chaired/invited lectures, services,etc.) of the Faculty during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
1					

**K. Special achievements/awards during 2020, if any**

**Part II**

**C. Details of Seminar/Workshops organized by the Centre during 2020 (latest first)**

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration
1	International Conference on Advances in Financial Markets and Services (ICAFMS)	DR.BIJU JOHN M	Research and Post Graduate Department of Commerce St. Thomas' College (Autonomous), Thrissur,	International	3-4 January 2020
2	NATIONAL Webinar on EMERGING BUSINESS ENVIRONMENT	DR.BIJU JOHN M	Research and Post Graduate Department of Commerce St. Thomas' College (Autonomous), Thrissur,	National	14 May 2020

**Sd/-**  
**Name & Designation of the**  
**Head of the Research Centre**

\* **Part I** should be consolidated (Guide-wise), before submission

\*\* Data pertaining to this year alone be submitted

**ST. THOMAS COLLEGE, THRISSUR**

**RESEARCH CENTRE IN ECONOMICS**

**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**

(From January 01, 2020 onwards)

**Name of Research Centre : Department of Economics**

**Address : St Thomas college (Autonomous) Thrissur**

**E-mail ID & Contact No. : +914872420435 [principal@stthomas.ac.in](mailto:principal@stthomas.ac.in)**

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**Y. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research domain	Any other matters
1	Dr. Sabu P J	Assistant Professor	Economics of Education	Currently Pursuing Scholars
2	Dr. C D Johny	Associate Professor (Rtd.)	Economics of Tourism	Currently Pursuing Scholars
2	Dr. K M Francis	Associate Professor (Rtd.)	Tribal Economics	Currently Pursuing Scholars

**Z. Details of Publications during 2020 (latest first) Faculty Members**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with Doi	Impact Factor, if Any
1	Emmanuel Thomas and Lekha Chakraborty	<i>Covid19 and Macroeconomic Uncertainty: Fiscal and Monetary Policy Response</i>	Economic and Political Weekly, April 11, 2020.	---	----
2	Emmanuel Thomas and Lekha Chakraborty	Natural Resource Revenue Buoyancy in India: Empirical Evidence from State-specific Mining Regime	Working Paper No.313	National Institute for Public Finance and Policy (NIPFP), New Delhi 23-July-2020.	---
3	Emmanuel Thomas and Lekha Chakraborty	Covid-19 and Macroeconomic Uncertainty: Fiscal and Monetary Policy Response	Working Paper No.302	National Institute for Public Finance and Policy (NIPFP), New Delhi 13-April-2020.	----

1.	Gini Paul	Government Social Spending and Human Development : An Empirical Estimation	(IJRAR, April 2020, Vol.2020, Issue 2	IJRAR	-----
2	Nisha.T.A; Dr. Sabu.P.J	A Study on Private Health Expenditure in India	JETIR, November 2020, Volume7, Issue 11, pages 188-191	---	5.87
3	Nisha.T.A; Sabu.P.J	Household Health Expenditure in India: An Economic Analysis	IJMERE, October 2020, Volume9, Issue 10(3), pages 114- 120	-----	6.514
4	Shijitha M, Dr.K.M.Fran cis, Dr Sabu P J	Land Use Pattern in Climatic Physiological Zones of Kerala	International Journal of Multidisciplinary Educational Research, Vol 9(4(6)), 50-57	April 2020	6.514
5	Shijitha M, Dr.K.M.Fran cis, Dr Sabu P J	Physiological Characteristics of land and Crop Diversification in Kerala	International Journal of Emerging Technologies and Innovative Research, Vol 7(4), 1647-1650	April 2020	5.87
6	Anila C, Dr.K.M.Fran cis, Dr Sabu P J	Household Savings in India: An Economic Analysis	International Journal of Multidisciplinary Educational Research, Vol 9 Issue 4(1)	April 2020	6.14
7	Anila C, Dr.K.M.Fran cis, Dr Sabu P J	An Analysis of the close nexus between Savings, Investment and Gross Domestic Product in India	International Journal of Emerging Technologies and Innovative Research, Vol 7, Issue 4	April 2020	

(x) **Publications in International Journals during 2020 (latestfirst)Research Scholars**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with doi	Impact Factor, if any
1.	Rinciya V.A & Jeena P.M	Perspectives on Higher Education in Kerala	International Journal of Creative Research	IJCRT	7.97

			Thoughts (IJCRT), 3 March 2020, Volume 8, P. No: 2155-2159		
2	Nisha.T.A; Dr. Sabu.P.J	A Study on Private Health Expenditure in India	JETIR, November 2020, Volume 7, Issue 11, pages 188-191		5.87
3	Nisha.T.A; Sabu.P.J	Household Health Expenditure in India: An Economic Analysis	IJMER, October 2020, Volume 9, Issue 10(3), pages 114- 120		6.514
4	Shijitha M, Dr.K.M.Francis, Dr Sabu P J	Land Use Pattern in Climatic Physiological Zones of Kerala	International Journal of Multidisciplinary Educational Research, Vol 9(4(6)), 50-57	April 2020	6.514
5	Shijitha M, Dr.K.M.Francis, Dr Sabu P J	Physiological Characteristics of land and Crop Diversification in Kerala	International Journal of Emerging Technologies and Innovative Research, Vol 7(4), 1647-1650	April 2020	5.87
6	Anila C, Dr.K.M.Francis, Dr Sabu P J	Household Savings in India: An Economic Analysis	International Journal of Multidisciplinary Educational Research, Vol 9 Issue 4(1)	April 2020	6.154
7	Anila C, Dr.K.M.Francis, Dr Sabu P J	An Analysis of the close nexus between Savings, Investment and Gross Domestic Product in India	International Journal of Emerging Technologies and Innovative Research, Vol 7, Issue 4	April 2020	---

(xi) **Publications in National Journals during 2020 (latestfirst)Research Scholars**

NA

(xii) **Book(s) authored/Edited Volumes/Chapters during 2020 (latestfirst)**

NA

**AA. Details of PhD awarded during 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Subject	University	Date of Award
1	Dhanya John	Dr. K M Francis & Dr.	Impact of Urbanization on sustainable environment in	Economics	University of Calicut	14/07/2020

		Sabu P J	Kerala – A study based on Thrissur district.			
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**BB. Details of PhD Registration for 2020 (New) (latestfirst)**

NA

**CC. Details of M.Phil. students for 2020 (latestfirst)**

NA

**DD. New Research Projects sanctioned during 2020 (latestfirst)**

NA

**EE. Ongoing Research Projects (latestfirst)**

NA

**FF. Research Projects submitted during 2020 (latestfirst)**

NA

**I. Details of Seminar/Workshops attended during 2020 (latest first) Faculty Members**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Period
1	Emmanuel Thomas	76 <sup>th</sup> Annual Congress of International Institute of Public Finance (IIPF)	Online from Reykjavik, Iceland during	International	19-20 August 2020

**Details of Seminar/Workshops attended during 2020 (latest first) Research Scholars**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Period
1	Jeena P M	Online Orientation course on Non-Violent Communication	Gandhi Smriti & Darshan Samiti ( An Autonomous Body under Ministry of Culture)	National-Online Workshop	13-09-2020
2	Jeena P M	Economics of Gender and Gender of Economics	Department of Economics Sacred Heart College, Chalakudy, Kerala, India in collaboration with Department of women Studies, University of Calicut	National webinar	8 -09-2020
3	Jeena P M	India and its Neighbourhood in contemporary Times: Economic & Political	Department of Economics & Department of Political	National webinar	28-08-2020



		Perspectives	Science, Christ College ( Autonomous) Irinjalakuda		
4	Jeena P M	The outbreak of corona virus and its impact on the Education sector in India	Department of Economics & IQAC , MES College, Erumely	National	27-08-2020
5	Jeena P M	Webinar series on the Economics of Pandemic - Adopting Emerging Technologies in the post covid 19 world	PG Department of Economics MES Asmabi College, P. Vemballur, Kodungallur	National webinar	19-08-2020
6	Jeena P M	Covid 19- Challenges and Solutions on Health sector	PG Department of Economics, MES Ponnani College in association with KSHEC	National webinar	17-08-2020
7	Jeena P M	Preparing for Online Teaching	Sacred Heart College, Kochi	National webinar	21-05- 2020
8	Jeena P M	Research Methodology for Social Science Research	IQAC, MES Asmabi College, P. Vemballur, Kodungallur	Online Awareness Test	26-04-2020
9	Jeena P M	Accreditation of Higher Education Institution and its impact on Improvement of Quality	PG Department of Commerce & Management Studies& IQAC Of MES Asmabi College in association with KSHEC	International Conference	2 days (31-12-2019 & 1-1-2020)

**J. Extension activities (Session chaired/invited lectures, services,etc.) of the Faculty during 2020 (latest first)**

**Invited Lectures**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
1	Emmanuel Thomas	National Webinar titled 'Covid19: Rural Economy and Indian	Newman College, Thodupuzha	National	16-May-2020.

		Policy Response’,			
2	Emmanuel Thomas	National Webinar titled ‘Covid19 and Macroeconomic Uncertainty: Fiscal and Monetary Response’	St. Paul’s College, Kalamassery	National	06-May-2020
3	Emmanuel Thomas	International Webinar titled ‘Covid19 and Economy: Impact, Challenges & the Way Forward’	Vivekananda College, University of Delhi	International	22-April-2020.
4	Emmanuel Thomas	<i>Decoding Union Budget 2020 with Special Focus on the Macro Economy’</i>	Newman College, Thodupuzha	International	28 <sup>th</sup> February, 2020.

**K. Special achievements/awards during 2020, if any**

**Part II**

**D. Details of Seminar/Workshops organized by the Centre during 2020 (latest first)**

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration

**Sd/-**

**Name & Designation of the Head of the Research Centre**

**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**  
 (From January 01, 2020 onwards)

**Name of Research Centre** : Research Department of Mathematics  
**Address** : St. Thomas' College (Autonomous),  
 Thrissur, Kerala, India - 680001  
**E-mail ID & Contact No.** : [principal@stthomas.ac.in](mailto:principal@stthomas.ac.in) 04872420435

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**GG. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research domain	Subject (if more than 1, specify)
1.	Dr. Alphonsa Mathew	Asst. Professor	Fluid Dynamics	-
2.	Dr. Julie Andrews	Asst. Professor	Fluid Dynamics	-
3.	Dr. Viji M	Asst. Professor	Algebra	Cryptography

**HH. Details of Publications during 2020 (latestfirst)**

**(xiii) Publications in International Journals during 2020 (latestfirst)**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication withdoi	Impact Factor, if any
1.	A S Sabu, Alphonsa Mathew, Neethu T S,	Statistical Analysis of MHD Convective Ferro-nanofluid Flow through an Inclined Channel with Hall Current, Heat Source and Soret Effect	Thermal Science and Engineering Progress, Elsevier	<a href="https://doi.org/10.1016/j.ts.2020.100816">doi.org/10.1016/j.ts.2020.100816</a>	Scopus Indexed
2.	Alappat Sunny Sabu, SujeshAreekra, Alphonsa Mathew	Statistical Analysis on Three Dimensional MHD Convective Carreau Nanofluid Flow Due to Bilateral Nonlinear Stretching Sheet with Heat Source and Zero Mass Flux Condition	Heat Transfer, Wiley	DOI: 10.1002/htj.22045	Scopus Indexed
3.	A.S. Sabu, Joby Mackolil, B. Mahanthesh, Alphonsa Mathew	Thermal enhancement due to heat source effects in Reiner-Rivlinnanofluid slip flow due to rotating disc	Numerical Methods for Partial Differential Equations, Wiley	(communicated-under review)	-

4.	Neethu T S, SujeshAreeka ra, Alphonsa Mathew	Statistical Approach on 3D Hydromagnetic Flow of Water Based Nanofluid between two Vertical Porous Plates Moving in Opposite Directions	International Journal of Heat and Technology, IIETA	(communicated- under review)	-
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(xiv) **Publications in National Journals during 2020 (latestfirst)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by	Impact Factor, if any
1.	KarthikaSant haram, Viji M	Unit elements in the Path algebra of an Acyclic quiver	Indian Journal of Pure and Applied Mathematics, Springer	(accepted-in press)	Electronic ISSN 0975-7465  Print ISSN 0019-5588	-

(xv) **Book(s) authored/Edited Volumes/Chapters during 2020 (latestfirst)**

Sl. No	Author(s) in order	Title	Publisher, Volume, pages	Date of Publication	International/ National

(g) Average Impact Factor of publications from the centre

(h) Patents (if any) (latestfirst)

- a. Granted
- b. Filed

**II. Details of PhD awarded during 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Subject	Date of award

**JJ. Details of PhD Registration for 2020 (New) (latestfirst)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of Registration	Part time/ Full time	Nature of fellowship
1.	REMYA RAVINDRAN A	Dr. Julie Andrews	Studies on convection flow of nanofluids: smart coolants with varied applications	Passed Away			
2.	SUJESH A S	Dr. Alphonsa Mathew	Mathematical modeling of biological variations due to application of	Fluid Dynamics	26/12/2018	Full Time	NIL

			nanofluids in body fluids				
3.	ABOBACKER P	Dr. Viji M	Design and development of cryptographically secure primitives	Cryptography	26/12/2018	Part Time	NIL
4.	SARAVANAN B	Dr. Alphonsa Mathew	A study on steady and unsteady magneto dynamics flow problems	Fluid Dynamics	22/01/2018	Part Time	NIL
5.	KARTHIKA S	Dr. Viji M	Representation of some noncommutative modules and algebras	Algebra	27/12/2017	Full Time	NIL
6.	NEETHU T S	Dr. Alphonsa Mathew	Flows of nano fluids past plates and in channels	Fluid Dynamics	23/06/2017	Full Time	UGC JRF
7.	ROSE PAUL	Dr. Julie Andrews	Studies on nanofluids: convection flows and diverse applications	Fluid Dynamics	31/01/2017	Part Time	NIL
8.	SABU A S	Dr. Alphonsa Mathew	Magnetohydrodynamic convective flow problems: fascinating applications of nanofluids	Fluid Dynamics	09/08/2016	Part Time	NIL

#### **KK.Details of M.Phil. students for 2020 (latestfirst)**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing

#### **LL. New Research Projects sanctioned during 2020 (latestfirst)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

#### **MM. Ongoing Research Projects (latestfirst)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

#### **NN. Research Projects submitted during 2020 (latestfirst)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

#### **I. Details of Seminar/Workshops attended during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International National	Period
	Alphonsa Mathew	The Man Beyond Infinity	Ramanujan School of Mathematics Central University Dharamshala	national	22-12-2020

	Alphonsa Mathew	SYNERGIES IN COMPUTATIONAL, MATHEMATICAL, STATISTICAL AND PHYSICAL SCIENCES	Stella Maris College	national	23-11-2020
	Julie Andrews	THE UNDERSTANDING OF RESERVATION AND THE CONSTITUTIONAL VALUES OF INDIA	AADI, Attappady in association with LOKMANCH, KERALA	National	11-11-2020
	Julie Andrews	DR.MOOTHEDAN MEMORIAL LECTURE SERIES	DEPARTMENT OF MATHEMATICS	National	17-10-2020
	Mathew Thomas	"The Axiom of Choice and Some of its Consequences	DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	National	28-09-2020
	Julie Andrews	two-day International Web Conference on Fractals & Iterated Function Systems	Department of Mathematics, Christ College (Autonomous) Irinjalakuda,	National	25-09-2020
	Mathew Thomas	An introduction to Mathematical control theory	Mathematical control theory	National	21-09-2020
	Dr. Saju M I	Promotion under CAS-UGC guidelines	IQAC, Carmel College, Mala	National	19-09-2020
	Mathew Thomas	MACHINE LEARNING WITH PYTHON	S.K.I.T.M, INDOOR	National	14-09-2020
	Mathew Thomas	Enrichment Programme for Students & Teachers (1st Phase) on LINEAR ALGEBRA, ANALYSIS & DIFFE	--	National	08-09-2020
	Saju M I	Higher education: Power, People and democracy day 4	KPCTA	National	29-08-2020
	Mathew Thomas	Functions of Bounded Variations"	DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	National	29-08-2020
	Saju M I	The Man Beyond Infinity	KPCTA	National	28-08-2020
	Mathew Thomas	SYNERGIES IN COMPUTATIONAL, MATHEMATICAL, STATISTICAL AND PHYSICAL SCIENCES	Carmel College, Mala	National	27-08-2020
	Sabu A S	The Man Beyond Infinity	Department of Mathematics, Christ University Bangalore	National	24-08-2020
	Sabu A S	SYNERGIES IN COMPUTATIONAL, MATHEMATICAL, STATISTICAL AND PHYSICAL SCIENCES	Dept of ETE and ECE, IEE APS Student chapter ,RV College of Engineering	National	24-08-2020

	Renjith Varghese	THE UNDERSTANDING OF RESERVATION AND THE CONSTITUTIONAL VALUES OF INDIA	KPCTA	National	23-08-2020
	Saju M I	DR.MOOTHEDAN MEMORIAL LECTURE SERIES	KPCTA	National	23-08-2020
	Renjith Varghese	"The Axiom of Choice and Some of its Consequences	KPCTA	National	22-08-2020
	Saju M I	two-day International Web Conference on Fractals & Iterated Function Systems	Kerala Private College Teachers Association	National	22-08-2020
	Mathew Thomas	An introduction to Mathematical control theory	R.S.M.SN.D.P College	National	19-08-2020
	Saju M I	Promotion under CAS-UGC guidelines	IQAC St.Thomas College, Thrissur	National	18-08-2020
	Mathew Thomas	MACHINE LEARNING WITH PYTHON	ST PETER'S COLLEGE, KOLENCHERY	National	18-08-2020
	Julie Andrews	Enrichment Programme for Students & Teachers (1st Phase) on LINEAR ALGEBRA, ANALYSIS & DIFFE	K.K.T.M. Govt. College, Pullut Internal Quality Assurance Cell (IQAC)	National	17-08-2020
	Alphonsa Mathew	Higher education: Power, People and democracy day 4	Ramanujan School of Mathematics Central University Dharamshala	National	22-12-2020
	Alphonsa Mathew	Functions of Bounded Variations"	Stella Maris College	National	23-11-2020
	Julie Andrews	The Man Beyond Infinity	AADI, Attappady in association with LOKMANCH, KERALA	National	11-11-2020
	Julie Andrews	SYNERGIES IN COMPUTATIONAL, MATHEMATICAL, STATISTICAL AND PHYSICAL SCIENCES	DEPARTMENT OF MATHEMATICS	National	17-10-2020
	Mathew Thomas	THE UNDERSTANDING OF RESERVATION AND THE CONSTITUTIONAL VALUES OF INDIA	DWARAKA DOSS GOVERDHAN DOSS VAISHNAV COLLEGE	National	28-09-2020
	Julie Andrews	DR.MOOTHEDAN MEMORIAL LECTURE SERIES	Department of Mathematics, Christ College (Autonomous) Irinjalakuda,	National	25-09-2020
	Mathew Thomas	"The Axiom of Choice and Some of its Consequences	Mathematical control theory	National	21-09-2020
	Dr. Saju M I	two-day International Web Conference on Fractals & Iterated Function Systems	IQAC, Carmel College, Mala	National	19-09-2020

	Mathew Thomas	An introduction to Mathematical control theory	S.K.I.T.M, INDOOR	National	14-09-2020
	Dr. Saju M I	Use of OBS for recording your screen	IQAC, K K T M COLLEGE, PULLUT	National	17-08-2020
	Dr. Saju M I	The Role of Mathematics in Cryptography	CDC, Perambra, Kozhikode	National	15-08-2020
	Saju M I	National Education Policy 2020 and Higher Education in Kerala	IQAC, St. Xavier's College for Women, Aluva	National	11-08-2020
	Saju M I	INCESSANTNESS Webinar Series	IQAC, NSS College Nilamel, Kollam	National	11-08-2020
	Saju M I	Research and Publication Ethics	Research Council, Dept. Of Library and IQAC	National	06-08-2020
	Julie Andrews	WEBINAR ON RESEARCH AND PUBLICATION ETHICS	RESEARCH COUNCIL. DEPARTMENT OF LIBRARY STC, WITH UNIVERSITY OF CALICUT	National	06-08-2020
	Alphonsa Mathew	Role of IQAC in post covid-19 Era	St. Vincent Pallotti college of engineering & Technology	National	06-08-2020
	Renjith Varghese	Webinar on Research and publication Ethics	--	National	06-08-2020
	Dr. Saju M I	Approach to Accreditation	IQAC, MAR ATHANASIOUS COLLEGE, KOTHAMANGALAM	National	06-08-2020
	Saju M I	Career Advancement Scheme and UGC regulations	IQAC, Marthoma College, Chungathara	National	03-08-2020
	Dr. Saju M I	Quantum Cryptography	Department of Physics, Govt. College, Kariyavattam	National	01-08-2020

**J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
1	Renjith Varghese	Observer - Co-operative Service Examination Board	Government	State	31-10-2020
	Renjith Varghese	CBT Observer - ICAR AIEEA 2020	Government	State	16-10-2020
	Renjith Varghese	Jan Andolan for Covid - 19	Government	State	09-10-2020
	Renjith Varghese	CBT Observer - UGC NET Set 2020	Government	State	29-09-2020
	Renjith Varghese	CBT Observer - AIAPGET- 2020	Government	State	28-09-2020



	Renjith Varghese	Social Entrepreneurship, Swachatha and Rural Mangement	Government	State	22-09-2020
	Renjith Varghese	Observer - NEET (UG) 2020	Government	State	13-09-2020
	Dr. Saju M I	Observer NEET September 2020	Others	State	13-09-2020
	Renjith Varghese	CBT Observer - JEE September 2020	Government	State	01-09-2020
	Dr. Saju M I	Observer of JEE September 2020	Others	State	01-09-2020
	Renjith Varghese	Made in India Campaign	Government	State	07-08-2020
	Renjith Varghese	Observer - Co-operative Service Examination Board	Government	State	31-10-2020
	Renjith Varghese	CBT Observer - ICAR AIEEA 2020	Government	State	16-10-2020
	Renjith Varghese	Jan Andolan for Covid - 19	Government	State	09-10-2020
	Renjith Varghese	CBT Observer - UGC NET Set 2020	Government	State	29-09-2020
	Renjith Varghese	CBT Observer -AIAPGET- 2020	Government	State	28-09-2020
	Renjith Varghese	Social Entrepreneurship, Swachatha and Rural Mangement	Government	State	22-09-2020

**K. Special achievements/awards during 2020, if any**

**Part II**

**E. Details of Seminar/Workshops organized by the Centre during 2020 (latest first)**

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration
1	national webinar on Applied Mathematics	Dr.Julie Andrews	Department of Mathematics	National	3 Days
2	DR.MOOTHEDAN MEMORIAL LECTURE SERIES	Mr.Renjith	Department of Mathematics	National	One day
3	DR.MOOTHEDAN MEMORIAL LECTURE SERIES	Mr.Ashbin	Department of Mathematics	National	One day
4	Webinar on Online Training Program Latex for Research Writing & Project Documentation"- CERTIF	Dr Saju M I	Department of Mathematics	National	One Day

**Sd/-**  
**Name & Designation of the**  
**Head of the Research Centre**

**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**  
 (From January 01, 2020 onwards)

**Name of Research Centre :**PG and Research Department of Statistics  
**Address :**St.ThomaosCollege(Autonomous), Thrissur  
**E-mail ID & Contact No. :**headstatstct@gmail.com, 9961335938

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**OO. Name & Designation**

Sl.No	Name of Research Supervisor	Designation	Research domain	Subject (if more than 1, specify)
1	Dr.V.M.Chacko	Asst. Professor and Head	Reliability	Statistics
2	Dr.Sajesh T A	Asst. Professor	Robust statistics and Outlier mining	Statistics
3	Dr.Nicy Sebastian	Asst. Professor	Distribution Theory	Statistics
4	Dr.Davis Antony M	Associate Professor Christ College, Irinjalakuda	Time Series and Distribution Theory	Statistics
5	Dr. Thomas Mathew	Associate Professor MD College, Pazhanji	Time Series and Distribution Theory	Statistics
6	Dr. Sreedevi E P	Assistant Professor SreeNeelakanda Govt College, Pattambi	Survival and Distribution Theory	Statistics

**PP. Details of Publications during 2020 (latest first)**

(xvi) **Publications in International Journals during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by Impact Factor, if any
1	M. Manoharan and Chacko V M	ON ASSOCIATION IN TIME OF MARKOV PROCESS WITH APPLICATION TO RELIABILITY AND SURVIVAL ANALYSIS,.	Journal of Statistics and Applications, Vol.19, No.2, 101-112, 2021	ssca	Web of Science ESCI & UGC Care
2	Beenu Thomas & Chacko V M,	EXPONENTIAL-GAMMA (3,θ) DISTRIBUTION AND ITS APPLICATIONS,	Reliability Theory and Applications, No.3, pp. 49-61, 2020	Gnedenko e forum	Scopus & UGC Care
	Deepthi K S & V M Chacko (2020),	Reliability Estimation of Stress-Strength Model using three parameter Generalized Lindley distribution,	Advances and Applications in Statistics, 2020 (Vol. No.65, Issue 1, November)	Pushpa Publishing House	Web of Science ESCI
	V M Chacko (2020)	New Joint Importance Measures for Multistate Systems,	<i>International Journal of Statistics and Reliability Engineering</i> , 7(1), pp.140-148.		UGC Care
	Anakha Appu & Chacko V M,	ON EXPONENTIAL-WEIBULL DISTRIBUTION USEFUL IN RELIABILITY AND SURVIVAL ANALYSIS,	Reliability Theory and Applications, 56, pp.20-32, 2020	Gnedenko E forum	Scopus & UGC List
	Sajana O K & Sajesh T A	Multidimensional outlier detection and robust estimation using Sn covariance	Journal , COMMUNICATIONS IN STATISTICS - SIMULATION AND COMPUTATION , International , 0361-0918 , 30-01-2020 ,	Taylor&Francis, UK	Scopus
	Nicy Sebastian	Some Properties and Applications of Burr III-Weibull Distribution ,	, Proceedings of National Seminar in		

		Proceedings -04-2020 ,	Applied Statistics and Symposium on Stochastic Modelling , National , 25		
	, SM Sunoj, N Unnikrishna n Nair, Asok K Nanda, RS Rasin,	Ageing Intensity Function for Conditionally Specified Models,	2020, American Journal of Mathematical and Management Sciences, 1-16	Taylor & Francis	

(xvii) **Publications in National Journals during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by Impact Factor, if any
	Ashlin Mathew P M	Three Parameter Quasi Lindley Distribution , Proceedings ,	Pocceedings of National Seminar in Applied Statistics and Symposium on Stochastic Modelling , National , 25-04-2020		

(xviii) **Book(s) authored/Edited Volumes/Chapters during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Publisher, Volume, pages	Date of Publication	International/ National
	Deepthi K S & V M Chacko,	<i>An Upside-down Bathtub Shaped failure rate model using DUS Transformation of Lomax Distribution,</i>	<i>Chapter 6, pp.81-100, Stochastic Models in Reliability Engineering, 2020</i>	CRC Press Taylor & Francis Group, London.	International

(i) Average Impact Factor of publications from the centre

(j) Patents (if any) (latest first)

- a. Granted
- b. Filed

**QQ.Details of PhD awarded during 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Subject	Date of award
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**RR. Details of PhD Registration for 2020 (New) (latest first)**

Sl. No	Candidate	Supervisor	Title	Subject	Date of Registration	Part time/ Full Time	Nature Of Fellowship
1	Sajana O K	Dr.T.A.Sajesh	A Study on Robust Multivariate Techniques	Statistics	25-03-2015	Submitted & Viva over	
2	MeghaNandakumar	Dr. T A Sajesh	Outlier Detection in Mixed Type data	Statistics	27-05-2019	Full Time	Nil
3	Lakshmi R	Dr. T A Sajesh	Study on Robust Regression Methods	Statistics	14-11-2019	Full Time	JRF
4	Beenu Thomas	Dr.V.M.Chacko	Some contributions to reliability theory and Survival analysis	Statistics	17-08-2017	Full Time	Nil
5	Deepthi K S	Dr.V.M.Chacko	Modelling and analysis of reliability data using Bathtub shaped failure rate distributions	Statistics	17-08-2017	Full Time	Nil
6	Rajitha C	Dr.V.M.Chacko	SOME CONTRIBUTIONS TO QUEUEING THEORY AND ITS APPLICATIONS		12-12-2017	Full Time	
7	AnakhaAppu	Dr.V.M.Chacko	MODELLING AND ANALYSIS OF LIFETIME DATA USING VARIOUS FAILURE RATE DISTRIBUTIONS		26-04-2019	Full Time	
8	Ms.Drishya M	Dr.Nicy Sebastian	A STATISTICAL STUDY ON WOMEN'S HEALTH AND DEVELOPMENT IN INDIA	Statistics	26-04-2019	Full Time	DST-INSPIRE
9	Ms.Deepthy G.S.	Dr.Nicy Sebastian	ON FAMILIES OF BURR III MODIFIED WEIBULL DISTRIBUTION	Statistics	22-08-2019	Full Time	Nil
10	Ms. Sini K P	Dr. Davis Antony Mundasser y	Generalized MittagLeffler Distributions	Statistics	14-05-2019	Full Time	Nil

11	Ravikumar K	Dr.Thomas Mathew	Invariance Risk Models with a Generalized stochastic process as a counting process	Statistics	Applied	Part time	
12	Vaisakh K M	Dr.Sreedevi E P	Some goodness of fit test for Lifetime distributions using stein's type charecterization	Statistics	Applied	Part time	
13	Maya Padmanabhan	Dr. Sajesh T A	Outlier detection in cancer data	Statistics	Applied	Part time	

**SS. Details of M.Phil. students for 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing

**TT. New Research Projects sanctioned during 2020 (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**UU. Ongoing Research Projects (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**VV. Research Projects submitted during 2020 (latest first)**

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

**I. Details of Seminar/Workshops attended during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Period
1	Chacko V M	Online Research and Publication Ethics Course for researchers	St.Thomas College& Directorate of Research, University of Calicut	National	25 days

**J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
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**K. Special achievements/awards during 2020, if any**

**Part II**

**F. Details of Seminar/Workshops organized by the Centre during 2020 (latest first)**

Sl. No	Title of the event	Co-Ordinator	Organizer/sponsor & venue	International/National	Duration
1	<b>Webinar on Managing Academic Research and Publishing in Top-tier Journals</b>	Dr.Chacko V M	Webinar	College	5th of June, 2020
2	<u>National Statistics Day Celebrations &amp; Webinar on Eigen Values and Its Applications</u>	Dr. Sajesh T A	Webinar	College	29th of June, 2020
	National Seminar in Applied Statistics and Symposium on Stochastic Modelling, NSASSSM , National , ISBN 978-81-944730-1-5 , 25-04-2020 , Publications Division, St. Thomas' College (Autonomous), Thrissur	Dr.Nicy Sebastian	Dept. of Statistics, St.Thomas College, Thrissur	National	3 Day, 4-6 Feb 2020

**Sd/-**  
**Name & Designation of the**  
**Head of the Research Centre**

*\* Part I should be consolidated (Guide-wise), before submission*

*\*\* Data pertaining to this year alone be submitted*

**University of Calicut**  
**PROFORMA - ANNUAL REPORT 2020 [Research]**  
 (From January 01, 2020 onwards)

**Name of Research Centre** : Research & PG Department of Physics  
**Address** : St. Thomas College (Autonomous), Thrissur  
**E-mail ID & Contact No.** :

**Part I \***

**DETAILS OF RESEARCH SUPERVISORS**

**A. Name & Designation**

Sl. No	Name of Research Supervisor	Designation	Research Domain	Subject (if more than 1, specify)
1	Dr.Vimalkumar.T.V	Assistant Professor	Thin Film Photovoltaic Materials	
2	Dr. Johns Naduvath	Assistant Professor	Nanomaterials, Sensors, Thin films	
3	Dr.Anto Johny T	Associate Professor	Semiconducting Thin films,Sensors	
4	Dr. Ann Mary K A	Assistant Professor	Material Science, Bio-photonics, Non- linear optics, Biosensing	

**B. Details of Publications during 2020 (latest first)**

**(i) Publications in International Journals during 2020 (latest first)**

Sl. No	Author(s)	Title	Journal & year, Volume, pages	Publisher, Date of Publication with doi	Impact Factor, if any
1	Anitha. T. V, T. V. Vimalkumar, Anna Heba Chakkunny, B. Salameh, A. M. Alsmadi, M. Mathai	Structural and Opto-electrical Study of as-grown CuS Thin Film Doped with Sn by Facile Chemical Bath Deposition for Solar Cell Application	AIP Conference Proceedings 2244, 100009 (2020)	AIP Publishing Published Online: 26 June 2020 <a href="https://doi.org/10.1063/5.0009426">https://doi.org/10.1063/5.0009426</a>	
2	T Paul, K Anupama, PO Jibin, KAA Mary	<a href="#">Spectroscopic investigations on Se/RE doped sol gel derived silica matrices</a>	Materials Today: Proceedings, 2020, 33, 1323-1326	Elsevier 14 May 2020 <a href="https://doi.org/10.101">https://doi.org/10.101</a>	



				6/j.matpr.2020.04.180	
3	SC Sarma, SM Kaja, KA Ann Mary, SC Peter	<a href="#">Reversing the Activity Center in Doped Pd17Se15 to Achieve High Stability Toward the Electrochemical Hydrogen Evolution Reaction</a>	ACS Applied Energy Materials, 2020, 3, 4051-4056	American Chemical Society  April 2, 2020  <a href="https://doi.org/10.1021/acs.aem.0c00512">https://doi.org/10.1021/acs.aem.0c00512</a>	4.473

(ii) **Publications in National Journals during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Journal & year, Volume, pages	Publisher, Date of Publication, (doi, if any)	ISSN & Indexed by	Impact Factor, if any

(iii) **Book(s) authored/Edited Volumes/Chapters during 2020 (latest first)**

Sl. No	Author(s) in order	Title	Publisher, Volume, pages	Date of Publication	International/ National

## (a) Average Impact Factor of publications from the centre

## (b) Patents (if any) (latest first)

- Granted
- Filed

**C. Details of PhD awarded during 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Subject	Date of award

**D. Details of PhD Registration for 2020 (New) (latest first)**

Sl. No	Candidate	Supervis or	Title	Subject	Date of Registration	Part time/ Full time	Nature of fellows hip

**E. Details of M.Phil. students for 2020 (latest first)**

Sl.No	Candidate	Supervisor	Title	Date of award/ongoing

**F. New Research Projects sanctioned during 2020 (latest first)**

Sl.No	Principal Investigator	Title	Funding Agency	Order No.	Amount
1	Dr. Johns Naduvath	Conductometric mercury (II) ions sensors based on Se-PAni nanocomposite prepared by in-situ polymerisation	KSCSTE	01221/SPS 64/2019/KSCSTE	10,000
2	Dr. Ann Mary K A	Luminescent carbon quantum dots/Sm <sup>3+</sup> embedded silica matrices with multi color emissions for photonic applications	KSCSTE	01287/SPS 64/2019/KSCSTE	10,000
3	Dr. Ann Mary K A	Blue emitting quantum dots as ratiometric fluorescent probe for the selective detection of biopigments	KSCSTE	01173//SPS 64/2019/KSCSTE	10,000

#### G. Ongoing Research Projects (latest first)

Sl.No.	Principal Investigator	Title	Funding Agency	Order No.	Amount

#### H. Research Projects submitted during 2020 (latest first)

Sl.No	Principal Investigator	Title	Funding Agency	Order No.	Amount
1	Dr. Johns Naduvath	Conductometric mercury (II) ions sensors based on Se-PAni nanocomposite prepared by in-situ polymerisation	KSCSTE	01221/SPS 64/2019/KSCSTE	10,000
2	Dr. Ann Mary K A	Luminescent carbon quantum dots/Sm <sup>3+</sup> embedded silica matrices with multi color emissions for photonic applications	KSCSTE	01287/SPS 64/2019/KSCSTE	10,000
3	Dr. Ann Mary K A	Blue emitting quantum dots as ratiometric fluorescent probe for the selective detection of biopigments	KSCSTE	01173//SPS 64/2019/KSCSTE	10,000
4	Dr.Vimalkumar T V	Characterization of CuZnS Thin film	Guide for Aspire Scholarships (2 Project) Under KSCSTE Scheme		

#### I. Details of Seminar/Workshops attended during 2020 (latest first)

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Period
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1	Dr.Vimalkumar T V	Webinar on Online learning apps and Tools for Higher Education	IQAC , St.Thomas College , Thrissur UGC Paramarsh Scheme	National level	27-05-2020
2	Dr.Vimalkumar T V	Webinar on Stellar Evolution and Structure of Galaxies	St.Phelomena College , Mangalore University , Karnataka	International Level	5-06-2020
3	Dr.Vimalkumar T V	Certificate of Energy Literacy	Energy Swaraj Foundation Mumbai	International Level	Short term Course 3 week ( 28-08-2020)
4	Dr.Vimalkumar T V	International Webinar Relevance of Gandhian Environmentalism	Shesadripuram Evening Degree College , Karnataka	International Level	09-07- 2020
5	Dr.Vimalkumar T V	Webinar of Energy Storage and batteries	St.Joseph College , Devagiri	National	26-08-2020
6	Dr. Johns Naduvath	Webinar: Doing Science With Roots Intact	St. Thomas College ( Autonomous), Thrissur	National	25-05-2020
7	Dr. Johns Naduvath	Webinar on E Content Tips	St. Thomas College ( Autonomous), Thrissur	National	30-05-2020
8	Dr. Johns Naduvath	Online training program Latex for Research Writing and Project Documentation	St. Thomas College ( Autonomous), Thrissur	State	05-06-2020
9	Dr. Johns Naduvath	Webinar: Research and Publication Ethics	St. Thomas College ( Autonomous), Thrissur	National	06-08-2020
10	Dr. Johns Naduvath	Online workshop on Rietveld Refinement Method	UGC-DAE Consortium for Scientific Research	National	22-09-2020
11	Dr. Johns Naduvath	Webinar: Intellectual Property Rights	St. Thomas College ( Autonomous), Thrissur	State	01-10-2020
12	Dr. Johns Naduvath	Webinar: Industrial Designs, IC layout Design and Trade Secrets	IPRICK, KSCSTE	National	07-10-2020

**J. Extension activities (Session chaired/invited lectures, services, etc.)  
of the Faculty during 2020 (latest first)**

Sl. No	Name	Title of the event	Organizer & venue	International/ National	Date
1	Dr.Vimalkumar T V	Sasthrapadham – State level Science Competition	Surva Shikha Abhiyan , General Education Department	State level	
	Dr.Vimalkumar T V	Vaaluable contribution to Online Course Materials	Kerala State Higher Education Council		

**K. Special achievements/awards during 2020, if any**

Dr.Vimalkumar T V Selected as the Thrissur Revenue District coordinator of Energy Management Centre , Govt of Kerala

**Part II**

**A. Details of Seminar/Workshops organized by the Centre during 2020 (latest first)**

Sl. No	Title of the event	Co-ordinator	Organizer/sponsor & venue	International/ National	Duration

Sd/-

**Name & Designation of the Head  
of the Research Centre**

*\* **Part I** should be consolidated (Guide-wise), before submission*

*\*\* Data pertaining to this year alone be submitted*