

# RESUME



**Name: Dr. L. Joelri Michael Raj**  
**Designation: Assistant Professor**  
**Department: Botany**  
**Address: St. Xavier's College, Palayamkottai**

## PERSONAL DETAILS

Date of Birth : 24/06/85  
Qualification : M.Sc., M.Phil., Ph.D., NET., SET.,  
Designation : Assistant Professor  
Department : Botany  
Community : BC  
Religion : RC  
Nationality : Indian  
Mobile : 9600341157  
Email ID : joelriraj@gmail.com

## ACADEMIC QUALIFICATIONS

Degree	Discipline/ Specialization	School/College/ Institution	Board/ University	Year of Passing	% of Marks	Class
Ph.D	BOTANY (Molecular systematics)	The Rapinat Herbarium, St.Joseph's College, Trichy.	Bharathidasan University	2012	-	-
SET	Life Sciences	-	Bharathiyar university	2012	-	-
NET	Life Sciences	-	CSIR New Delhi	2016	-	AIR - 69

M.Phil	Classical and Molecular Taxonomy & systematics ( Major)	The Rapinat Herbarium, St.Joseph's College, Trichy.	Bharathidasan University	2010	83.5	First with Distinction D++ Grade.
M.Sc	Plant Biology and Plant Biotechnology ( Major)	St.Joseph's College, Trichy.	Autonomous	2007	81.99	First with Distinction
B.Sc	Plant Biology and Plant Biotechnology ( Major)	Loyola College, Chennai.	Autonomous	2005	87	First with Distinction
H.Sc	Maths, Biology, Physics, Chemistry.	Sunbeam, Vellore	State	2002	95.08	First
S.S.L.C	Maths, Science, History & Geography.	Sunbeam, Vellore	Matriculation	2000	83.9	First

### ACADEMIC IDENTITY

*VIDWAN ID	289614
*ORCID ID	<a href="https://orcid.org/0000-0002-7530-0548">https://orcid.org/0000-0002-7530-0548</a>
*SCOPUS ID	<a href="#">Scopus Author ID: 36698697000</a>
*RESEARCHER ID/ PUBLONS ID	Web of Science Researcher ID <a href="#">AAN-3487-2020</a>
GOOGLE SCHOLAR LINK	<a href="https://scholar.google.com/citations?user=r1MgaO4AAAAJ&amp;hl=en">https://scholar.google.com/citations?user=r1MgaO4AAAAJ&amp;hl=en</a>
Web Page	<a href="https://sites.google.com/view/joelrimichaelraj/home">https://sites.google.com/view/joelrimichaelraj/home</a>

### TEACHING EXPERIENCE

<b>Date of Appointment</b>	01/08/18
<b>Date of Retirement</b>	31/08/2043
<b>Teaching Experience</b>	<b>UG – 11 years</b>

	St. Joseph's College (Autonomous), Tiruchirapalli (5 Years) Loyola College (Autonomous), Chennai (2 Years) St. Xavier's College (Autonomous), Palayamkottai (4 Years)
	<b>PG - 8 years</b> St. Joseph's College (Autonomous), Tiruchirapalli (5 Years) St. Xavier's College (Autonomous), Palayamkottai (3 Years)
	<b>M.Phil. – 6 Years</b> St. Joseph's College (Autonomous), Tiruchirapalli (4 Years) Loyola College (Autonomous), Chennai (2 Years)
<b>Research</b>	Guided M Phil: 4 Guided Ph D: - Guiding PhD Scholar: -

COURSES/CLASSES TAUGHT	NAME OF THE INSTITUTIONS	DURATION		Years
		From	To	
B.Sc. Botany	St. Joseph's College (Autonomous), Tiruchirapalli	2011	2012	1 year
M.Sc. Botany	St. Joseph's College (Autonomous), Tiruchirapalli	2011	2012	1 year
M.Sc. Biotechnology	St. Joseph's College (Autonomous), Tiruchirapalli	2012	2016	4 years
M. Phil. Biotechnology	St. Joseph's College (Autonomous), Tiruchirapalli	2012	2016	4 years
B.Sc. Plant Biology and Biotechnology	Loyola College (Autonomous), Chennai	2016	2018	2 years
M. Phil. Plant Biology and Biotechnology	Loyola College (Autonomous), Chennai	2016	2018	2 years
B.Sc. Botany	St. Xavier's College (Autonomous), Palayamkottai	2018	2022	4 years
M.Sc. Botany	St. Xavier's College (Autonomous), Palayamkottai	2019	2022	3 years

### AWARDS RECEIVED

1.	<b>Fr. Steenkist Medal</b> (friends and old students) For <b>FIRST</b> in M.Sc. Plant Biology and Plant Biotechnology, College Day, March 2007.
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2.	<b>Fr. Du Fanquet Medal</b> , For <b>FIRST</b> in M.Sc. Plant Biology and Plant Biotechnology, Graduation Day, December 2007.
3.	<b>Vice-Chancellor Dr. K.M. Marimuthu Medal</b> for <b>OUTSTANDING PERFORMANCE- SECOND</b> in Major Subjects, M.Sc. Plant Biology and Plant Biotechnology, Graduation Day, December 2007.
4.	<b>Dr.G. Vishwanathan Gold medals (2)</b> for <b>OUTSTANDING PERFORMANCE</b> in 12 <sup>th</sup> public examinations (2002) (Maths and Physics) Sunbeam Matriculation School, Vellore.
5.	<b>BEST OUTGOING STUDENT AWARD</b> (2002) Sunbeam Matriculation School, Vellore.

#### ADMINISTRATIVE EXPERIENCE

S. No	DESIGNATION	INSTITUTIONS	YEAR
1.	HoD (i/c)	St. Xavier's College (Autonomous), Palayamkottai.	2022

#### MEMBERSHIP

S. No	Designation	Particulars
1.	Editorial Board Member	Carmel Blaze Journal, Carmel College, Mala, Thrissur.

#### ORIENTATION / REFRESHER COURSES / FACULTY DEVELOPMENT PROGRAMME UNDERGONE (4)

S. No	Name of the Training	Name of the Sponsoring Agency	Place and Date
1	Four week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education	MHRD & PMMMNMTT	Teaching Learning Centre, Ramanujan College, University of Delhi June 04 – July 01, 2020
2	Two week FDP on Managing online classes and co-creating MOOCS	MHRD & PMMMNMTT	Teaching Learning Centre, Ramanujan College, University of Delhi April 20 – May 06 2020
3	FDP on Molecular Docking	Management	Department of Zoology, Nirmala College for Women, Coimbatore July 23 <sup>rd</sup> and 24 <sup>th</sup> 2021
4	National level FDP on Intellectual Property Rights and Patent Filing	Management	Pt. Jawaharlal Nehru College, Nawagarh, (C.G.) March 5 <sup>th</sup> 2022
5	Orientation Programme for teachers	Management	St. Xavier's College (Autonomous)

			Palayamkottai 15 <sup>th</sup> & 16 <sup>th</sup> July 2022
6	SXC- Centenary Faculty Empowerment Programme	Management	St. Xavier's College (Autonomous) Palayamkottai 23 <sup>rd</sup> July 2022

<b>ONLINE CERTIFICATE COURSES / SHORT TERM COURSES ATTENDED (5)</b>				
<b>S.No.</b>	<b>Course details</b>	<b>Sponsor (if any)</b>	<b>Duration (From – To)</b>	<b>State / National / International</b>
1	Short term E-Course on Applied Zoology	Dept of Zoology, Baburao Patil College of Arts and Science, Solapur.	29.04.2020 to 03.05.2020	National
2	Organic Farming	Dept of Botany, Athalye-Sapre-Pitre College, Devrukh .	17.05.2020 to 23.05.2020	National
3	Online course on DNA Taxonomy and Phylogeny	Sathyabama Institute of Science and Technology, Chennai	21 – 23 <sup>rd</sup> May 2020	National
4	Two Day Workshop on Data Analysis using SPSS	Simple Statistics Solution and Training Provider (SSSTP), Tirunelveli, Tamilnadu	30 – 31 <sup>st</sup> May 2020	National
5	Self- learning Course on Understanding Online educational resources	Common Wealth of Learning (COL) Canada	1 <sup>st</sup> April 2020	International

<b>DETAILS OF RESEARCH WORK</b>		
<b>Research Stages</b>	<b>Title of the Thesis</b>	<b>University where the work was carried out</b>
Ph. D.	Molecular systematics, Micropropagation, Antimicrobial and Phytochemical studies in selected species of <i>Crotalaria</i> Linn.	The Rapinat Herbarium and Centre for Molecular Systematics, Bharathidasasn University

JRF	“Measurement of vegetation and biomass parameters under vegetation carbon pool assessment (VCP) sub-project of the ISRO geosphere biosphere program (IGBP), National carbon project (NCP)” Ref.No. IIRS:FED:VCP:08/June 2008.	The Rapinat Herbarium and Centre for Molecular Systematics, Bharathidasan University
M.Phil.	Phylogenetic relationships of some species of <i>Crotalaria</i> based on morphology and proteins as taxonomic markers.	The Rapinat Herbarium and Centre for Molecular Systematics, Bharathidasan University
M.Sc.	Protein Studies in some species of Zingiberaceae.	St. Joseph’s College (autonomous), Bharathidasan University

### AREAS OF RESEARCH

Molecular Systematics
Plant Tissue culture
Phytochemistry
Antimicrobial activity
Numerical Taxonomy / Phenetics

### RESEARCH PROJECTS CARRIED OUT Major MRP- (1)

S. No	Title of the Project (Major)	Name of the Funding Agency & Amount	Duration
1.	Diversity and Mycorrhizal specificity of <i>Vanda</i> and <i>Cymbidium</i> genus (Orchidaceae) of Western and Eastern Ghat’s using DNA barcoding (Co-PI)	UGC, Major, Rs. 12,01000/- (Rupees Twelve lakhs one thousand only) MRP-MAJOR-BOTA-2013-23804	2014 – 2017 (3 years)

### PUBLICATIONS

BOOKS	BOOK CHAPTERS	SCOPUS	WEB OF SCIENCE	UGC LISTED
OTHER INDEXED	AS A RESOURCE	PAPERS PRESENTED IN	WEBINARS, SEMINARS,	

	PERSON	NATIONAL AND INTERNATIONAL SEMINARS	WORKSHOPS ATTENDED	
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### PUBLICATIONS: BOOKS / MANUALS (3)

S. No	Title of the Book	Publication	Year
1	Workshop manual on Molecular Taxonomy and Bioinformatics tools (Complete Manual)	DBT Star College scheme sponsored Manual, Department of Biotechnology, St. Joseph's College, Trichy	2016
2	<i>In vitro</i> and <i>In vivo</i> methods in Bioresource conservation (Text contribution)	DBT sponsored Workshop Manual, Department of Biotechnology, St. Joseph's College, Trichy	2015
3	In Glass technology for Bioresource conservation (Text contribution)	UGC Sponsored Practical Manual, Department of Biotechnology, St. Joseph's College, Trichy	2015

### BOOK CHAPTERS ()

S. No	Title of the Paper	Name of the Book	ISSN No., Pg.No
1.			

### PUBLICATIONS: SCOPUS INDEXED JOURNALS (2) WEB OF SCIENCE (2)

S. No	Title of Publications	Author/ Co-author & Total No. of Authors	Name of the Journal / Publisher(s)	Volume No. & (Year of Publication)
1	Antibacterial activity and Preliminary phytochemical analysis of leaf extract of <i>Canavalia rosea</i> (Sw.) DC. (Beach Bean).	Prabhu, S., <b>Joelri Michael Raj, L.</b> , John Britto, S., and Senthil Kumar, S. R.	<i>International Journal of Research in Pharmaceutical Sciences.</i>	Vol-1(4):1-7 (2011) ISSN: 0975-7538 Cite Score – 0.2
2	Antimicrobial efficacy of extracts from <i>Alpinia purpurata</i> (Vieill.)K.Schum.against human pathogenic bacteria and fungi.	Kochuthressia K.P., S.John Britto, M.O.Jaseentha, <b>L.Joelri Michael Raj</b> and S.R.Senthilkumar	<i>Agriculture and Biology Journal of North America.</i>	Vol.1(6):1249-1252. (2010) ISSN : 2151-7517
3	Identification of agronomically valuable	<b>Joelri Michael Raj L.</b> , John	<i>Agricultural Biology Journal of North</i>	Vol 2(5):840-

	species of <i>Crotalaria</i> based on phenetics.	Britto S., Prabhu S., and Senthilkumar S.R.	America	847 (2011) ISSN : 2151-7517
4	Antibacterial and Antioxidant Activity of leaves of <i>Canavalia mollis</i> Wight & Arn. (Horse Bean).	Prabhu, S., John Britto, S., <b>Joelri Michael Raj, L.</b> , P. Thangavel., and Senthil Kumar, S. R.	<i>International Journal of Pharmaceutical Sciences.</i>	Vol.2(1):109-115 (2011) ISSN (Print): 2320-5148

<b>PUBLICATIONS: UGC LISTED JOURNALS (7)</b>				
<b>S. No</b>	<b>Title of Publications</b>	<b>Author/ Co-author &amp; Total No. of Authors</b>	<b>Name of the Journal / Publisher(s)</b>	<b>Volume No. &amp; (Year of Publication), ISSN and Cite score/IF</b>
1	Antibacterial activities and preliminary phytochemical analysis of fruit extracts of Noni ( <i>Morinda citrifolia</i> L.)	N. Manimala S. John Britto <b>L. Joelri Michael Raj</b> S. Prabhu	<i>International Journal of Noni Research</i>	Vol 5 (1-2):24 -38 (Jan – Jul, 2010) ISSN : 0973-3337
2	Efficient regeneration of <i>Alpinia purpurata</i> (Vieill.)K.Schum. plantlets from rhizome bud explants.	Kochuthressia K.P., S.John Britto, <b>L. Joelri Michael Raj</b> , M.O. Jaseentha and S.R.Senthilkumar	<i>International Research Journal of Plant Science.</i>	Vol.1(2):043-047 (2010) ISSN:2141-5447 Cite Score: 11.34
3	Phylogenetic relationships of <i>Crotalaria</i> species based on seed protein polymorphism revealed by SDS-PAGE	<b>Joelri Michael Raj L.</b> , John Britto S., Prabhu S., and Senthilkumar S.R.	<i>International Research Journal of Plant Science</i>	Vol 2(5): 119-128 (2011) ISSN:2141-5447 Cite Score: 11.34
4	Identification of fungal endophytes from Orchidaceae members based on nrITS (internal transcribed spacer) region	J Kasmir, SR Senthilkumar, SJL Britto, <b>Joelri Michael Raj L</b>	<i>International Research Journal of Biotechnology</i>	Vol 2(6): 139-144 (2011) ISSN: 2141-5153 Journal h –Index - 14
5	Specificity of	<b>L. Joelri Michael</b>	<i>Journal of Emerging</i>	Vol 5(7): 320-323



	mycorrhizal fungi isolated from the roots of <i>Vanda testacea</i> from five different regions using DNA barcoding	<b>Raj</b> and Asha Monica G. Gomathi, S. R. Senthilkumar, T. Francis Xavier	<i>Technologies and Innovative Research (JETIR)</i>	(2018) ISSN: 2349-5162 IF – 7.95
6	Morphotypes of Mycorrhizal Fungi of <i>Cymbidium</i> Species,	Senthilkumar S.R, <b>Joelri Michael Raj. L</b> and Gomathi. G.,	<i>International. Journal of Pure Applied Biosciences</i>	Vol 4 (4): 174-178 (2016) ISSN: 2320-7051
7	DNA Sequencing of <i>Cymbidium Bicolor</i> Lindl. Using trnL-F Intergenic Spacer	Ranjani. R Senthilkumar. S.R, <b>Joelri Michael Raj. L</b> , Gomathi. G	<i>International Journal of Innovative Research in Science, Engineering and Technology</i>	Vol 5 (4): 4826-4829 (2016) ISSN (Online): 2349-6002

<b>PUBLICATIONS: OTHER INDEXED JOURNALS (2)</b>				
<b>S. No</b>	<b>Title of Publications</b>	<b>Author/ Co-author &amp; Total No. of Authors</b>	<b>Name of the Journal / Publisher(s)</b>	<b>Volume No. &amp; (Year of Publication)</b>
2	Morphotypes of Mycorrhizal Fungi of <i>Vanda</i> Species	<b>Joelri Michael Raj. L</b> & Gomathi. G Senthilkumar. S. R	<i>International Journal of Applied Sciences</i>	Vol 3 (3): 363-369 (2016) ISSN - 2180-1258
3	Numerical taxonomy studies in some species of genus <i>Crotalaria</i> from kerala tamilnadu and selection of an appropriate CP-DNA region for deriving phylogeny by Comparing rbcL and trnL-F IGS sequences from NCBI genbank.	Sheersha P , <b>Joelri Michael Raj L</b> , Leon Stephan Raj T, and Kochuthressia K P	<i>Scientia Acta Xaveriana</i>	Vol. 13 No. 1 pp. 47-56 March 2022 ISSN. 0976-1152

**NCBI GENBANK DATABASE, USA INSDC - GENE SEQUENCES PUBLISHED  
(TOTAL - 103 SEQUENCES )**

**Gen Bank Accession Numbers:**

**Plant Barcoding**

- i. GenBank: JF304304 - JF304312 (Molecular Systematics of *Crotalaria* Sp. using trnL-F Spacer cpDNA region)

- ii. GenBank: HM996994 - HM997000 (Molecular Systematics of *Crotalaria Sp.* using trnL-F Spacer cpDNA region)
- vi. GenBank: JF437608 - JF437614 (Identification of Medicinal plants in Western Ghats using trnL-trnF intergenic spacer, partial sequence: chloroplast)
- vii. GenBank: HM246519 (Molecular characterization of Noni *Morinda citrifolia* using tRNA-Thr (trnT) gene, partial sequence; trnT-trnL intergenic spacer, complete sequence; and tRNA-Leu (trnL) gene, partial sequence; chloroplast)
- ii. Gen Bank: HM587710, HM587711 (*Canavalia sp.* trnL-trnF intergenic spacer, partial sequence: chloroplast)
- v. GenBank: JF297590 - JF297595
- viii. Gen Bank: KC244739 - KC244754 (Genetic variations in *Celastrus paniculatus* based on psbK-I and trnL-F intergenic regions)
- ix. Gen Bank: JF437607 - JF437611 (Identification of Medicinal plants in Western Ghats using trnL-trnF intergenic spacer, partial sequence: chloroplast)
- x. Gen Bank: KC244732- KC 244738 (Genetic variations in *Alstonia venenata* based on psbK-I and trnL-F intergenic regions)

**Fungal Barcoding**

- xi. GenBank: GU564260 & GU564261 (*Aspergillus terreus* ribosomal RNA gene partial sequence and ITS 2)
- xii. GenBank: GQ482977 (*Aspergillus fumigates* ribosomal RNA gene partial sequence)
- xiii. GenBank: KC24455 - KC244766
- xiv. GenBank: KU837239 - KU837244 ( Isolation of Fungal Plant Pathogens using ITS1 – 5.8s rRNA -ITS2 region)

**Meta barcoding - Uncultured Bacterium identification**

- xv. Gen Bank: KX059328 - KX059337 (Metagenomics of Uncultured Bacterial clones using 16srRNA gene)

AS A RESOURCE PERSON (10)					
S.No	Type of Programme	Title	Beneficiaries	Days	Date & Place
1	Invited Talk – Department of Biotechnology, Cauvery College for Women	DNA Barcoding in land plants - A promising venture for species identification	Bolivar Club - Biotechnology students	1	9/3/2013 Cauvery College for Women, Trichy
2	Invited Talk - Bharath College of Science and Management	DNA Barcoding	PG students and Research scholars ( 150 students)	1	7/4/2014 Bharath College of Science and Management, Thanjavur
3	State level Workshop	Techniques in DNA barcoding	PG students and	1	12/10/2014 Department of Biotechnology,

			Research scholars(57participants from different colleges)		St. Joseph's College, Trichy
4	National Level Workshop	In glass technology for bioresources Conservation	PG students and Research scholars(10 UGC sponsored participants)	1	1/31/2015 Department of Biotechnology, St. Joseph's College, Trichy
5	DBT Star College Scheme Workshop	Electrophoretic techniques	B.Sc. Botany students(40 participants)	1	1/19/2016 Department of Biotechnology, St. Joseph's College, Trichy
6	DBT Sponsored STTC (Short Term Training Course)	In Vitro and In Vivo methods for Bioresources conservation	Researchers and College teachers (DBT sponsored selected delegates)	1	7/10/2015 Department of Biotechnology, St. Joseph's College, Trichy
7	CSIR-UGC NET Coaching Classes	Fundamental processes Molecular Biology(Unit-III) & Methods in Biology (Unit - XIII)	M.Sc Lifesciences students from different colleges in Trichy	3	11/21/2015 Department of Botany, St. Joseph's College, Trichy
8	DBT Star College Scheme Workshop	Molecular Taxonomy and Bioinformatics tools	B.Sc. Botany students (12 sponsored participants)	5	2/22/2016 Department of Biotechnology, St. Joseph's College, Trichy
9	Soft Skills Training	Personal effectiveness	III UG students of Commerce and English	1	9/11/2015 JASS Academy St. Joseph's College, Trichy
10	Science Academies'	Experimental biology: orthodox to	Life sciences Faculty	1	9/14/2016 Department of Botany, St.

	(IASC,INSA NASI) sponsored Refresher course	modern			Joseph's College, Trichy
11	International conference	Recent trends in Aquaculture (ICRTA- 2022)	Life science students of different colleges.	1	25 <sup>th</sup> March 2022 Department of Zoology, St. Xavier's College (Autonomous), Tirunelveli

**WEBINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ORGANISED: National (4) International (-)**

S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	Workshop on Plant Pathogen Isolation and amplification using PCR , Co-Organising Secretary	DBT- Star College Scheme	Department of Biotechnology, St. Joseph's College, Trichy 24/09/14
2.	Workshop on Techniques in DNA Barcoding ,Organising Secretary	DBT- Star College Scheme	Department of Biotechnology, St. Joseph's College, Trichy 10/12/14
3.	National Conference on Prospects and Challenges in Stem Cell Research, Co-Organising Secretary	TNSCST sponsored	Department of Biotechnology, St. Joseph's College, Trichy 12/01/15
4.	Workshop on Next Generation Sequencing, Co-Organising Secretary	Thermo-Fisher Sponsored	Department of Biotechnology, St. Joseph's College, Trichy 10/09/15

**WEBINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP ATTENDED:**

S.No.	Title	Organization Name / Sponsoring Agency	Place	Days	Date
1	Plant Tissue Culture & Immunotechnology	Shreedar Bhats Laboratory, Recognized by Karnataka Biotechnology &	Bangalore	13	2005-01-03

		Information technology			
2	Microbial and plant Biotechnology	Department of Plant Biology and Plant Biotechnology, Loyola College,	Chennai	3	2005-02-17
3	Fern Diversity Of India	Centre for Biodiversity and Biotechnology, St.Xaviers College & SJC	Trichy	1	2007-02-24
4	Uses of Biotechnological tools for Bioresource Conservation and Utilization for Sustainable Development.	The Rapinat herbarium and Centre for Molecular Systematics	Trichy	14	2008-02-06
5	Molecular Training programme (In vitro and In vivo methods in Bioresource Conservation)	The Rapinat herbarium and Centre for Molecular Systematics	Trichy	14	2010-02-17
6	Molecular methods in bioresource conservation for susustainable development	The Rapinat herbarium and Centre for Molecular Systematics	Trichy	14	2008-11-12
7	Science Academies Lecture Workshop on Vistas in Biosciences	St. Joseph`s College (Autonomous)	Trichy	2	2015-01-30
8	National Symposium on Recent Advances in Medicinal and Aromatic Plants (NASYMP 15)	St. Joseph`s College (Autonomous)	Trichy	1	2015-02-05
9	In Glass Technology in Bioresource Conservation	St. Joseph`s College (Autonomous)	Trichy	10	2015-02-03
10	Prospects and challenges in Stem cell research	St. Joseph`s College (Autonomous)	Trichy	1	2015-01-12

11	Techniques in Molecular Pathology and Diagnostics	St. Joseph`s College (Autonomous)	Trichy	1	2014-09-24
12	Techniques in DNA barcoding	St. Joseph`s College (Autonomous)	Trichy	1	2014-12-10
13	Capacity building Workshop for faculty on e-Content development	St. Joseph`s College (Autonomous)	Trichy	4	2015-06-09
14	International Scientist Meet	St. Joseph`s College (Autonomous)	Trichy	1	2015-12-15
15	Next Generation Sequencing	St. Joseph`s College (Autonomous)	Trichy	1	2015-09-10
16	Science Academies Lecture Workshop on Bioprospecting and Bioresources	St. Joseph`s College (Autonomous)	Trichy	3	2016-02-10
17	Electrophoretic techniques	St. Joseph`s College (Autonomous)	Trichy	1	2016-01-19
18	DBT sponsored workshop on In Vitro and In Vivo methods for Bioresources conservation	St. Joseph`s College (Autonomous)	Trichy	12	2015-07-06
19	On-Farm Food Processing	St. Joseph`s College (Autonomous)	Trichy	1	2016-01-11
20	Frontiers in Life Sciences	St. Joseph`s College (Autonomous)	Trichy	2	2016-01-07

21	International Seminar on Cardiovascular Research	St. Joseph`s College (Autonomous)	Trichy	1	2016-02-15
22	Higher Education in the Knowledge Ages Techno-Pedagogical Perspectives and Innovations	St. Joseph`s College (Autonomous)	Trichy	2	2016-02-24
23	Basic Counselling skills for College teachers (Certificate course)	St. Joseph`s College (Autonomous)	Trichy	6	2015-08-25
24	Induction programme in to Jesuit Higher education Commission	Loyola College (Autonomous)	Chennai	3	2016-06-10
25	Training programme for personal mentors on effective helping skills	Loyola College (Autonomous)	Chennai	2	2016-12-1
26	Workshop on Machine learning with R and LATEX	Loyola College (Autonomous)	Chennai	2	2017-07-16
27	Data Analysis using SPSS	Loyola College (Autonomous)	Chennai	2	2017-10-16
28	Vermicomposting Technology	TNAU Information and Training Centre,	Chennai.	1	2017-12-13
29	Accelerating Education 4.0 using ICT tools – Post COVID Paradigm	St. Xavier`s College (Autonomous),	Palayamkottai	1	17 June 2020
30	COVID 19 & Care for Environment	St. Xavier`s College (Autonomous),	Palayamkottai	1	26 June 2020

31	COVID – A Hidden War in Open Field	St. Xavier's College (Autonomous)	Palayamkottai	1	29 June 2020
32	Online Education – Obstacles & Solutions	St. Xavier's College (Autonomous)	Palayamkottai	1	16 July 2020
33	Knowledge gained through the challenging exercises of NAAC: Success Story	St. Xavier's College (Autonomous)	Palayamkottai	1	15 May 2020
34	National webinar series on Research Methodology	St. Joseph's College (Autonomous),	Trichy	2	12 <sup>th</sup> & 13 <sup>th</sup> June 2020
35	International conference on Climate change mangroves and sustainable development	Shri Pancham Khemraj mahavidyalaya University of Mumbai	Mumbai	1	24 <sup>th</sup> April 2020
36	International Webinar series on Infectious diseases: Biology Diagnosis and preventive strategies of Corona Viruses	Loyola College (Autonomous)	Chennai	4	1 -4 June 2020
37	Bio prospecting of medicinal plants: Challenges and oppurtunities	VO Chidambaram College,	Thoothukudi	1	3 <sup>rd</sup> June 2020
38	INSA sponsored Science Academies Virtual Workshop – Proteins, Structure, Function and Evolution	Telangana Univerity, Dichpally,	Nizamabad	2	23.02.22 & 24.02.22
39	Workshop on User Awareness on Sophisticated Instruments	M.S. University	Tirunelveli	1	18.04.21



**COUNTRIES VISITED**


**EXTRA-CURRICULAR ACTIVITIES/ CO-CURRICULAR ACTIVITIES****ATTENDED (NCC/NSS/YRC/SPORTS/LITERARY AND CULTURAL ACTIVITIES)**

Rotaract Club, Loyola College, Chennai

Campus Ministry, St. Joseph's College (Autonomous), Trichy

Campus Ministry, St. Xavier's College (Autonomous), Palayamkottai

**Date:** 22/08/22

**Name:** Joelri Michael Raj. L.