

# FOSnews

Faculty of Science, Eastern University, Sri Lanka

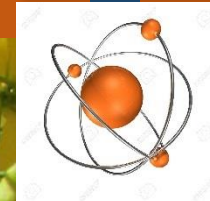
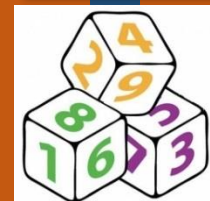
Newsletter

Volume 2/ Issue 1, June 2017



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**Faculty of Science** is one of the pioneer faculties established in 1981, under the Batticaloa University College.

### Vision

To be a National Centre of excellent for higher learning and research with the competitive advantage, responsive to the dynamics of the regional, national and global conditions.

### Mission

To be a National Centre for Excellent in teaching and research. Our teaching and research are geared to regional and national needs.

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## Faculty of Science at Glance ...

Student number (studying in 2017)							
Year	Bio Science			Physical Science			Total
	Male	Female	Total	Male	Female	Total	
Year 1 (2015/2016)	7	41	48	43	36	79	127
Year 2 (2015/2016)	18	38	56	52	28	80	136
Year 2 (2014/2015)	10	39	49	41	29	70	119
Year 3 (2014/2015)	14	44	58	23	29	52	110
Special	9	24	33	7	15	22	55
<b>Total</b>	<b>58</b>	<b>186</b>	<b>244</b>	<b>166</b>	<b>137</b>	<b>303</b>	<b>547</b>

Academic strength – Highest Qualification (2017)							
Status	Bot / Che / Zoo			Mathematics / Physics			Total
	Male	Female	Total	Male	Female	Total	
Professor	2		2	2		2	04
PhD	5	2	7	4	1	5	12
MPhil	2	2	4	2	3	5	09
MSc				2		2	02
Senior Gr (I)	5	4	9	4	1	5	14
Senior Gr (II)	2	0	2	2	3	5	07
Lecturer				1		1	01
Probationary	2		2	2	1	3	05
<b>Total</b>	<b>18</b>	<b>8</b>	<b>26</b>	<b>19</b>	<b>9</b>	<b>28</b>	<b>54</b>

### Degree programmes offered ...

BSc (General)

BSc (Special) – Botany, Chemistry, Computer Science, Mathematics, Physics and Zoology

Master of Science – Science Education, Environmental Sciences

Master of Philosophy (MPhil)

Doctor of Philosophy (PhD)

**Diploma:** Laboratory Technology (proposed)

### External Degree programme

BSc – Functioning under the Centre for External Degree and Extension Courses (CEDEC)

### Publications

- **Journal of Science (JSc)** – Double blind, refereed journal, ISSN: 1391-586x. The Journal will be published biannually (March and September), in printed and on-line versions (Open access).  
<http://www.fsc.esn.ac.lk/JSC/index.html>
- **Blossom** – An annual publication by the Faculty Students Union.

## Major Events....

Faculty of Science is now upgrading their learning and Teaching activities through Learning Management System (LMS).

The Eastern University, Sri Lanka and the Faculty of Science operating CLOUD system to sharing information among the staff and to reduce paper-work as an effective mechanism to minimize resource use.

The Faculty of Science is in the process of establishing the Faculty Alumni Association, "**Alumni Association of Faculty of Science, EU SL**".

The Facebook group has been already in operation and more than 300 past-students have been joined.

Orientation programme for the new incoming first year students was organized by the Faculty of Science. Parents of the students also incorporated at the programme.



## Academics explore their findings at the International forums...



Dr T Mathiventhan, Senior lecturer in Botany attended an International conference on *Marine Science Research and Technology Conference, Marine Science 2017* during 22–23, May 2017, in Malaysia.

He presented a paper, titled "The effect of coastal soil salinity on permanent vegetation line"



Dr. S Arasaretnam, Senior Lecturer in Chemistry attended *5th International Conference on Chemistry, Chemical Engineering and Chemical Process (CCECP 2017)* from 6-7 March 2017, Singapore.

He presented a paper, titled "Modification and Cation adsorption studies of Polyphenols extracted from *Acacia farnesiana*"



### Promotions of Staff...



Andrew Gratien Johnpillai (Senior Lecturer Gr I) has been promoted as "Professor in Mathematics (On Merit)" with effect from 6-5-2016.

Mrs Queenie Y Soundararajah has been promoted to Senior Lecturer (Gr I) with effect from 23.07.2013.



### Appointments...



Dr P Elango

Dr P Elango (Senior Lecturer, Gr I) has been appointed as Director, Career Guidance Unit (CGU), Eastern University, Sri Lanka.

Mr K Jeyaganthen and Mr K Peratheeparaj have been appointed as Lab Attendant with effect from 08.05.2017 and 03.04.2017 respectively.



Mr K Jeyaganthen



Mr K Peratheeparaj

### Completion of Postgraduate degree programme...



Mrs Queenie Y Soundararajah (Senior Lecturer in Physics) successfully completed her PhD studies at the H. H Wills Physics Laboratory, University of Bristol, UK with effect from May 9, 2017.

She did the research on "Characterization of InGaN nanorods using Transmission Electron Microscopy"

### Collaborative Researches/works...

#### Faculty involves research collaboration Internationally and Nationally

- **Forest Department, Institute of Fundamental Studies (IFS), Coast Conservation Department (CCD), Department of Wildlife and Conservation (DWLC):** Prof T Jayasingam and Dr T Mathiventhan (Dept. of Botany), Prof Sril Wijesundara (IFS) and the other relevant departments are jointly involving in a thematic survey, titled "Vegetation survey of Eastern and Northern Provinces". It runs for a period of TWO years. Eastern University, Sri Lanka (EUSL) is financially supporting this project (2016-2018).
- **Bharathidasan University, Tiruchirappalli, Tamil Nadu, India:** Dr A G Johnpillai, Dept. of Mathematics had collaborative work with Prof. M. Lakshmanan, Centre for Non-linear dynamics (July 2016).
- **Other collaboration established/Planned to establish:** University of Johannesburg, South Africa; University of Manchester, UK; University of Bristol, UK; Institute of Aquaculture, University of Stirling, Scotland, UK; Center for Aquaculture, Parangipettai, Insect laboratory, Bangalore, India; Annamali University, India; French Institute, Pondichcheri.

## Research Publication (Refereed journal, Conference proceedings) ...

### Biology / Botany / Zoology

1. **Mathiventhan T, Jayasingam T and Umaramani M** (2017). A post-war development: Expansion of roads and loss of trees. *International Journal of Current Multidisciplinary Studies*, 3(2): 592-594.
2. **Mathiventhan T and Jayasingam T** (2017). The effect of coastal soil salinity on permanent vegetation line. *Marine Science Research and Technology Conference*, Marine Science 2017, CLYTO ACCESS, Ritz Carlton, Kuala Lumpur, Malaysia, 22-23 May 2017, p 25.

### Chemistry

1. **Arasaretnam S**, and Joy Ebenezer R (2017). Modification and Cation adsorption studies of Polyphenols extracted from *Acacia farnesiana*. 5th *International Conference on Chemistry, Chemical Engineering and Chemical process* (CCECP 2017), Conference Proceedings, Singapore 6-7 March 2017. DOI: 10.5176/2301-3761\_CCECP17.
2. Senevirathna S R, Amasinghe S, Karunaratne V, **Koneswaran M** and Karunanayake L (2017). The effect of change of ionomer/polyol molar ratio on dispersion stability and crystalline structure of films produced from hydrophilic polyurethanes. *Journal of Applied Polymer Science*, 7, 44475.

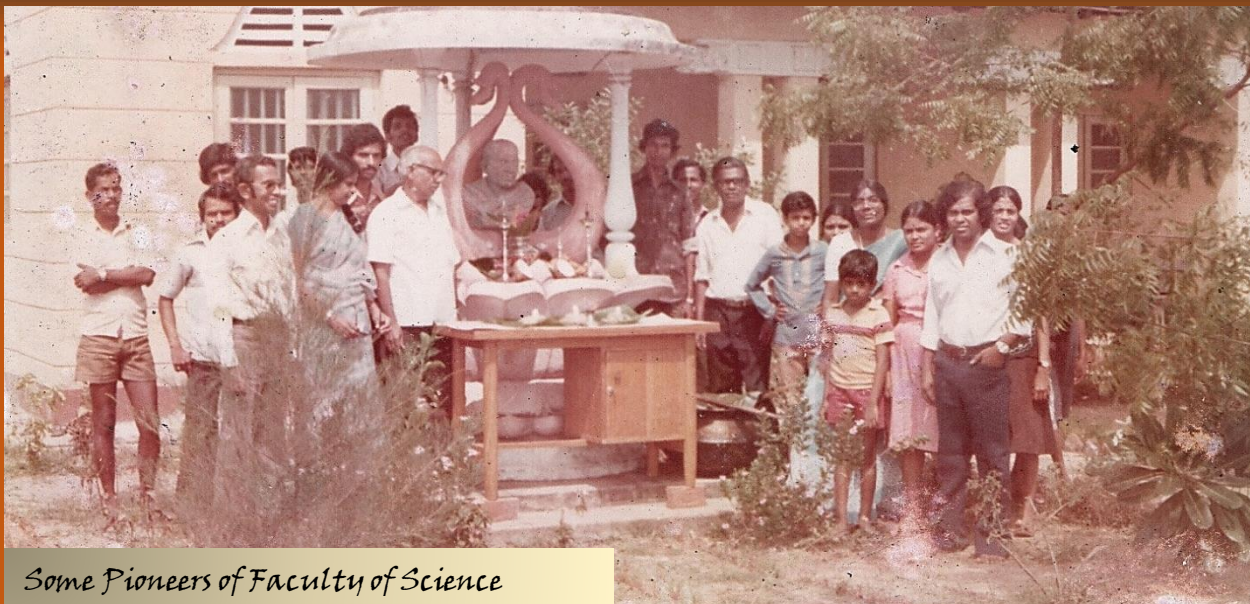
### Mathematics/Physics

1. Naidu, N F, Govender M, **Thirukkanesh S**, Maharaj S D (2017). Radiating fluid sphere immersed in an anisotropic atmosphere. *General Relativity and Gravitation* 49 (7), 95.
2. **Thirukkanesh S** and **Ragel F C** (2017). A realistic model for charged strange quark stars. *Chinese Physics C*, 41(1), 015102
3. **Fernando PR**, Karthika U, Parthipan K, Shandarabavan T, Ismail R and Jeeva A. (2017). Designing a Cooker to Utilise the Natural Waste Rice Husk as a Cooking Gas. *Journal of Advances in Recycling & Waste Management* (DOI: 10.4172/2475-7675.1000117).
4. **Fernando PR** (2017). Experimental Investigation of the Effect of Fired Clay Brick on Partial Replacement of Rice Husk Ash (RHA) with Brick Clay. *Journal of Advances in Recycling & Waste Management* (DOI: 10.4172/2167-0412.1000246.)
5. A.R.E. Prinsloo, C.J. Sheppard and **P.R. Fernando** (2017), Superconductivity and Quantum Critical Behavior in Cr100-zOsz, *Acta Physica Polonica A*, 131 (2017) 1132.

*Faculty Memories ...*



*General Convocation – 2016*



*Some Pioneers of Faculty of Science*

**From the Editor...**

Welcome to **FOSnews** Newsletter,



It is with great pleasure to publish the **SECOND** volume of the newsletter of the Faculty of Science. The FOSnews will be published every six months and will continue to be a vehicle to reconnoiter the activities or achievements of the Faculty of Science.

The Volume 2, Issue 1 is now on your hands.

I would like to sincerely appreciate the Dean/Science, Heads of the Department and dear colleagues, to give me fullest support to publishing the second volume of FOSnews.

I hope that you will enjoy reading this issue. The Volume 2, Issue 2 will be published in December 2017.

Dr T Mathiventhan  
The Editor | FOSnews Newsletter.



Faculty of Science at Eastern University, Sri Lanka (EUSL) has established a reputation for over last 36 years to impart fundamentals of different branches of pure sciences, and has shown interest in maintaining high academic standards.

The faculty, while being committed to the above philosophy, is transforming to meet the modern educational practices and trends by introducing innovative teaching, learning and evaluation strategies, students centered learning (SCL) with the goal of producing graduates with knowledge, skills and attitude to adapt to a range of professional and social environments to work with a concern and passion towards others. The faculty provides a conducive intellectual, social and physical environment in which learning and research may flourish. Apart from undergraduate BSc degree programs, the faculty has been conducting research degree programs (MSc, MPhil and PhD) and taught postgraduate degrees.

Faculty of Science is now engaging in research and development. In future, it focusses on Engineering Technology under the Technological stream, new postgraduate programmes (Diploma and Degree) and community outreach programmes.



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