University of Calicut

PROFORMA - ANNUAL REPORT 2021 [Research]

(From January 01, 2021 onwards) Name of Research Centre : Botany

Address : St. Thomas’ College (Autonomous)

E-mail ID & Contact No. : stcthrissur@gmail.com, 0487 2420435

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **Name & Designation**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | | Name of Research  Supervisor | Designation | | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1 | | Dr. Vimala Jose | Assistant Professor | | Botany | Plant Nanotechnology, Microbiology |
| **2** | Dr. Anto P V | | Assistant Professor | Botany | | Taxonomy of Angiosperms, Pteridophytes, Fungi, Algae |
| **3** | Dr. Joby Paul | | Assistant Professor | Botany | | Ecology,  Plant Taxonomy,  Biodiversity |
| **4** | Dr. Thomas M T | | Assistant Professor | Botany | | Biosystematics |
|  | | | | | | |

1. **Details of *Publications during 2021*** *(****latest first****)*
2. ***Publications in International Journals during 2021*** *(****latest first****)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| *Sl. No* | *Author(s)* | *Title* | *Journal & year, Volume,*  *Pages* | *Publisher, Date of Publication with*  ***Doi*** | *Impact Factor, if*  *any* |
| 1 | Rameena K Jamal, **Vimala Jose** | Uptake and impacts of metal oxide nanoparticles on plants-A review | International Journal of Botany Studies.  Volume 6, Issue 6, 2021, Page No. 77-83 | 03-11-2021 |  |
| 2 | Hridhya M V, Binsiya P K, **Vimala Jose** | Green synthesis of copper oxide nanoparticles from leaf extract of Glycosmis pentaphylla: its efficiency as antifungal, photocatalytic and cytotoxic agent | International Journal of Botany Studies. Volume 6, Issue 5, 2021, Page No. 1497-1504 | 27-10-2021 |  |
| 3 | Hridhya M V, Rinku C P, Aiswariya K S, **Vimala Jose** | Evaluation of antibacterial and wound healing activity between field grown and in vitro regenerated *Cissus quadrangularis* L. | International Journal of Botany Studies. Volume 6, Issue 4, 2021, Page No. 333-338 | 21-07-2021 |  |
| 4 | Aiswariya, K.S., **Jose, V**. | Photo-Mediated Facile Synthesis of Silver Nanoparticles Using *Curcuma zanthorrhiza* Rhizome Extract and Their In Vitro Antimicrobial and Anticancer Activity. | *J Inorg Organomet Polym* 31,3111–3124 | https://doi.org/10.1007/s10904-021-01951-0 | 3.543 |
| 5 | Aiswariya, K.S., **Jose, V** | Bioactive Molecules Coated Silver Oxide Nanoparticle Synthesis from *Curcuma zanthorrhiza* and HR-LCMS Monitored Validation of Its Photocatalytic Potency Towards Malachite Green Degradation. | *J Clust Sci* (2021) | <https://doi.org/10.1007/s10876-021-02099-0> | 3.061 |
| 6 | **Jose V**, Raphel L, Aiswariya K **S**, Mathew P | Green synthesis of silver nanoparticles using *Annona squamosa* L. seed extract: characterization, photocatalytic and biological activity assay | Bioprocess Biosyst Eng. 2021 Apr 6 | doi: 10.1007/s00449-021-02562-2. Epub ahead of print. PMID: 33822248. | 3.210 |
| 7 | Alina K. Sebastian and **P. V. Anto** | Anti-inflammatory Activity of *Sclerotium stipitatum* Berk. et. Curr. an Ethnomedicinal Fungus, in Chronic and Acute Animal Models of Inflammation | Journal of Pharmaceutical Research International | Scientific Research and Innovation, Burkina Faso  DOI: 10.9734/JPRI/2021/v33i46A32859 |  |
| 8 | Neenu A Santhosh and **Anto P V** | An updated review on endophytic bacteria in agronomic plants | International journal of Botany studies |  |  |
| 9 | Rogimon P.Thomas, Sreekumar K.R., Bijeshmon P.P. and **Joby Paul**(2021). | Angiosperm Diversity of agro-ecosystems-a case study from Kooroppada Gramapanchayath, Kottayam, Kerala State. | *Ecology, Environment and Conservation* 27: pp. S253-S258 | EM International - **ISSN: 0971-765X,** |  |
| 10 | Padmakumar, B., Sreekanth, N.P., Shanthiprabha, V. **Joby Paul***et al.* | Unveiling tree diversity and carbon density of home garden in the Thodupuzha urban region of Kerala, India: a contribution towards urban sustainability. | *Tropical Ecology* (2021) | Springer  <https://doi.org/10.1007/s42965-021-00149-2> |  |
|  | | | | | |

1. **Publications in National Journals during 2021** (**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. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Author(s) in  order | Title | Publisher,  Volume, pages | Date of  Publication | International/  National |
|  | Sheeja T Tharakan, Smitha P S,  Anto P V,  Baiju E C | Plant Physiology, Plant Ecology & Genetics | The Calicut university central co-operative stores ltd. no. 4347 | January 2021 | National |

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first) NIL
   1. Granted -Nil
   2. Filed -2

1. Anto P V and Neenu A Santhosh, Application No. 202141036114, Microbial product from Bacillus Vietnamensis SMC strain.

2. Anto P V and Alina K Sebastian, Application No.202141014964, A pharmaceutical composition comprising mycelial extract of Sclerotium stipitatum and method of prep.

1. **Details of PhD awarded during 2021** (**latest first**) NIL

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  |  |  |  |  |  |

1. **Details of PhD Registration for 2021 (New)** (**latest first**) NIL

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. | Candidate | Supervisor | Title | Subject | Date of | Part | Nature |
| No |  |  |  |  | Registration | time/ | Of |
|  |  |  |  |  |  | Full | Fellows |
|  |  |  |  |  |  | time | hip |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

1. **Details of M.Phil. students for 2021 (latest first**) NIL

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**) NIL

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

1. **Ongoing Research Projects** (**latest first**) NIL

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

1. **Research Projects submitted during 2021** (**latest first**) NIL

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

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | | International/  National | Period | |
|  | FDP | Youth and Climate change | TLC, Ramanujan College, University of Delhi and Catholicate College Pathanamthitta | | National | 27/10-3/11/2021 | |
|  | 15 days International Online Workshop | Open Source Computing, Multimedia and Open Access Publishing Tools conducted from | ASSUMPTION COLLEGE (AUTONOMOUS) CHANGANACHERRY | National | | | 06 September - 23 September 2021. |

1. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer & venue | International/  National | Date |
| 1 | Dr.Anto PV | General election Presiding officer | VHS Cherpu | National | 5/4-6/42021 |
| 2 | Dr.Anto PV | KFRI online RAC -Subject expert | KSCSTE-KFRI | National | 22/3/2021 |
| 3 | Dr. Anto PV | Plant collection permission for project -PI of project | Chief conservator of forest | National | 22/2/2021-31/12/2021 |
| 4 | Dr. Anto PV | Practical external examiner | Christ College and  Sree Kerala Varma College | National | 12/01/2021 and19/01/2021 |
| 5 | Dr.Anto PV | Fungal Herbarium deposition -Depositor of herbarium | NFCCI- AMH | National | 29/01/2021 |
| 6 | Dr. Joby Paul | Wetland Biomonitoring | WWF Kerala and Department of Botany, STC, Thrissur – Puzhakal Kole lands, Thrissur | State | 30/10/21 |
| 7 | Dr. Joby Paul | Swachara – Gandhi Jayanthi | St. Thomas College, Thrissur - Online | State | 01/10/21 |
| 8 | Dr. Joby Paul | Ozone Talk | Deva Matha CMI Public School, Thrissur - Online | State | 24/09/21 |
| 9 | Dr. Joby Paul | Launching of Digital flora | St. Thomas College, Thrissur – Online | State | 16/08/21 |
| 10 | Dr. Joby Paul | Publication in Credible Journals | St. Thomas College, Thrissur – Online | National | 12/08/21 |
| 11 | Dr. Joby Paul | Susthira Paristhithi Padanam | Orjayan Padhathi – EMC, Thrissur - online | State | 18/07/21 |
| 12 | Dr. Joby Paul | Biota 2K21 | Christ College, Irinjalakkuda - online | State | 08/06/21 |
| 13 | Dr. Joby Paul | World Forest Day -2021 | Government College, Kottayam - online | State | 21/03/21 |
| 14 | Dr. Joby Paul | Campus Flora | Nirmala College, Movattupuzha | State | 19/02/21 |

K. Special achievements/awards during 2021, if any

**1. Award for Best Environmental protection practice to Dr. Anto PV from Elavally Grama Panchayath**

**2. Certificate of appreciation for implementation of Kulavetty tree protection project S250/19-20 and S0320/21 of Elavally Grama Panchayath to Dr.Anto PV**

**Part II**

1. **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 | Guruvanthanam online paper presentation competition | Anto P V | Department of Botany | National | 18/10/2021 |
| 2. | Guruvanthanam three day international webinar | Anto P V | OSA | Internatioal | 5/9-7/9/2021 |
| 3 | Launching of the Digital Flora of the campus and Webinar on Floristics | Anto P V | Department of Botany | National | 16/8/2021 |
| 4 | Patent application on Innovative academic research’ | Anto P V | IQAC, Department of Botany | National | 9/7/2021 |
| 5 | Environment Day celebration by webinar on Silent valley –A Natural heritage to Western Ghats | Anto P V | IQAC, Department of Botany | National | 5/6/2021 |
| 6. | International webinar Species the Passion VI | Anto P V | IQAC, Department of Botany | International | 15/2/2021 |

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

**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 2021 [Research]

(From January 01, 2021 onwards) Name of Research Centre : CHEMISTRY

Address :Dept. of Chemistry, St.Thomas College(Autonomous), Thrissur

E-mail ID & Contact No. :9446861632, cljoshy95@gmail.com

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1 | Dr. Paulson Mathew | Associate Professor | Organic Chemistry | Chemistry |
| 2 | Dr Sunil Jose T | Assistant Professor | Polymer Nanotechnology | Chemistry |
| 3 | Dr. Jency Thomas | Assistant Professor | Supramolecular chemistry, solid state chemistry | Chemistry |
| 4 | Dr. Jinish Antony M | Assistant Professor | Polymer Nanomaterial | Chemistry |
| 5 | Dr. Joseph Joly V L | Assistant Professor | Materials Chemistry | Chemistry |

1. **Details of Publications during 2021** (**latest first**)
2. **Publications in International Journals during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  pages | Publisher, Date of Publication with  **doi** | Impact Factor, if  any |
| 1 | V. L. Joseph Joly, Kazuyuki Takai, Manabu Kiguchi,  Naoki Komatsu and Toshiaki Enoki | Anomalous spin relaxation in graphene  nanostructures on the high temperature annealed  surface of hydrogenated diamond nanoparticles | Physical Chemistry Chemical Physics, 2021  (*vol & page not assigned yet*) | Royal Society of Chemistry, London  12 August 2021  10.1039/d1cp00921d | 3.676 |
| 2 | S.Dinooplal, T.Sunil Jose, C.Rajesh, P.Anju Rose Puthukkara, K.Savitha Unnikrishnan, K.J.Arun | Accelerated photodegradation of polystyrene by TiO2-polyaniline photocatalyst under UV radiation | European Polymer Journal, 2021,  Volume 153, 110493 | Elsevier, 15 June 2021,https://doi.org/10.1016/j.eurpolymj.2021.110493 | 4.598 |
| 3 | Savitha Unnikrishnan K.,Sunil Jose T.,Dinooplal S. | Comparative studies of silane coupled e-glass fiber and e-glass fiber reinforced bismaleimide-epoxy hydroxylated BaTiO3 nanocomposites on the dielectric and mechanical properties | Polymer Composites, 2021, Volume42, Pages 3272-3280 | Wiley, 05 April 2021, https://doi.org/10.1002/pc.26057 | 3.171 |
| 4 | Swathy, T. S., & Jinish Antony, M. | Active Solvent hydrogen-enhanced p-nitrophenol reduction using heterogeneous silver nanocatalysts@surface-functionalized multiwalled carbon nanotubes*.* | *Ind. Eng.Chem.Res*  2021*60,* 7050-7064 | ACS publications 10th May 2021  <https://doi.org/10.1021/acs.iecr.1c01371> | 3.72 |

1. **Publications in National Journals during 2021** (**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. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

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

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  | Dinooplal S | Dr. Sunil Jose T | Photodegradation of polystyrene by nano titanium dioxide and photosensitizers | Chemistry | 16-07-202 |
|  | Jisha Joseph | Jency Thomas | "SELF-  ASSEMBLY OF STRUCTURALLY DIVERSE PHOSPHOMOLYBDATES: SYNTHESIS: STRUCTURE AND PROPERTIES" | Chemistry | 25-6-2021 |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

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

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

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

1. **Research Projects submitted during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No. | Principal  Investigator | Title | Funding  Agency | Order No. | Amount |
| 1 | Joseph Joly V L | A Simple Synthetic Route to Nanostructured Graphene-Metal Oxide Hybrid  Electrode Materials | DST- SERB | Under Review | 15 Lakh |
|  |  |  |  |  |  |

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | International/  National | Period |
|  |  |  |  |  |  |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer & venue | International/  National | Date |
| 1 | Joseph Joly V L | Reviewer | Elsevier journal “CARBON” | International | 24 July 2021 |
|  |  |  |  |  |  |

K. Special achievements/awards during 2021, if any

**Part II**

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

**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 2021 [Research]

(From January 01, 2021 onwards)

Name of Research Centre : RESEARCH DEPARTMENT OF COMMERCE

Address : ST THOMAS COLLEGE AUTONOMOUS

E-mail ID & Contact No. : [drbijujohnm@gmail.com](mailto:drbijujohnm@gmail.com) 9447448568

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **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 |

1. **Details of Publications during 2021** (**latestfirst**)
2. **Publications in International Journals during 2021** (**latestfirst**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  pages | Publisher, Date of Publication with  **date** | Impact Factor, if  any |
|  |  |  |  |  |  |

1. **Publications in National Journals during 2021** (**latestfirst**)

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

1. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latestfirst**)

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

1. Average Impact Factor of publications from thecentre
2. Patents (if any) (latestfirst)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  | Divya George | Dr. Thomas Paul Kattookaran(Retd) | Gambling and decision making: A Study on selected games. | Commerce | 25-05-2021 |
|  | Nishija Unnikrishnan | Dr. Thomas Paul Kattookaran(Retd) | A Study on Public and Private Infrastructure Investment in India | Commerce | 10-09-2021 |

1. **Details of PhD Registration for 2021 (New)** (**latestfirst**)

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

1. **Details of M.Phil. students for 2021 (latestfirst**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latestfirst**)

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

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

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

1. **Research Projects submitted during 2021** (**latestfirst**)

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

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  Venue | International/  National | Period |
| 1 | Darsana Sudharsan | International Conference on Commerce, Management & Interdisciplinary Subjects (ICCMIS) | Central University of Kerala | International | 28th& 29th October, 2021 |
| 3 | Darsana Sudharsan | Workshop on Data Analysis using AMOS & E-VIEWS | Alagappa Institute of Management | National | 7th& 8th October 2021 |
| 2 | Darsana Sudharsan | Workshop on “Basics of Research & Data Analysis Using SPSS” | BlueForskning Research Academy | International | 7th – 12th August 2021 |
| 4 | Darsana Sudharsan | Workshop on “Advanced Level of Data Analysis Using SPSS, Amos & Process Macro” | BlueForskning Research Academy | International | 20th – 25th July 2021 |
| 5 | Choondal Alfred Deepthi | Workshop on “Advanced Level of Data Analysis Using SPSS, Amos & Process Macro” | BlueForskning Research Academy | International | 20th – 25th July 2021 |
| 6. | Urmila R Menon | Workshop on “Advanced Level of Data Analysis using SPSS, AMOS and Process Macro” | Blue Forskning Research Academy | International | 20th-25th July 2021 |
| 7. | Urmila R Menon | International conference on commerce, Management and Interdisciplinary subjects (ICCMIS) | Central University of Kerala | International | 28th and 29th Oct 2021 |
| 8. | Urmila R Menon | International Multidisciplinary Conference (MRDC 2.0) | Government College, Tripunithara | International | 09th Oct 2021 |
| 9. | Urmila R Menon | Certificate course on Gamification as a pedagogical tool | NSS Training college, Ottapalam | International | 5 days |
| 10. | Urmila R Menon | International conference on advances in financial markets and services | St.Thomas’ college (Autonomous), Thrissur | International | 25tb and 26th March 2021 |
| 11. | Urmila R Menon | Mendeley Training | Mendeley advisor | International | 23rd June 2021 |
| 12. | Midhunlal M M | Workshop on “Basics of Research & Data Analysis Using SPSS” | BlueForskning Research Academy | International | 7th – 12th August 2021 |
| 13. | Sindhu George | RESEARCH ORIENTATION WORKSHOP SERIES | NASRA COLLEGE OF ARTS AND SCIENE , MALAPPURAM | National | 04-10-2021 to 07-10-2021 |
| 14 | Sindhu George | NATIONAL WORKSHOP ON QUESTIONNAIRE DESIGNING FOR RESEARCH | PG AND RESERACH DEPARTMENT OF COMMERCE, GOVT ARTS AND SCIENCE COLLEGE CALICUT | National | 16-10-2021 to 17-10-2021 |
| 15 | Sindhu George | Innovation Ambassador training (Foundation Level) | MoE's Innovation Cell &amp; AICTE | National | 30-06-2021  To 30-07-2021 |
| 16 | Sindhu George | International Faculty development programme on the Art of doing Research | jointly organized by Jyothi Engineering College, Thrissur, India, CHRIST (Deemed to be University), | international | 12-07-2021 to  22-07-2021 |
| 17 | Sowmia Rajan K | RESEARCH ORIENTATION WORKSHOP SERIES | NASRA COLLEGE OF ARTS AND SCIENE , MALAPPURAM | National | 04-10-2021 to 07-10-2021 |
| 18 | Sowmia Rajan K | NATIONAL WORKSHOP ON QUESTIONNAIRE DESIGNING FOR RESEARCH | PG AND RESERACH DEPARTMENT OF COMMERCE, GOVT ARTS AND SCIENCE COLLEGE CALICUT | National | 16-10-2021 to 17-10-2021 |
| 19 | Sowmia Rajan K | International Faculty development programme on the Art of doing Research | jointly organized by Jyothi Engineering College, Thrissur, India, CHRIST (Deemed to be University), | international | 12-07-2021 to  22-07-2021 |
| 20 | Jilna John | National Workshop on Questionnaire Designing for Research | PG and Research Dept. of Commerce, Govt. Arts and Science College, Calicut | National | 16-10-2021 to 17-10-2021 |
| 21 | Jilna John | Research Orientation Workshop Series | NASRA College, Malappuram in collaboration with Government College, Tripunithura | National | 04-10-2021 to 07-10-2021 |
| 22 | Jilna John | Productive Researcher: How to keep writing and improve research impact in digital era | MES College, Marampally | National | 17-08-2021 |
| 23 | Jilna John | International Faculty Development Programme on Fostering Digital Core Competencies in Academic Lands | MES College Marampally in association with The Kerala State Higher education Council | International | 20-09-2021  To  25-09-2021 |
| 24 | Jilna John | How to write an effective research paper | DR. MGR Educational and Research Institute, Chennai | National | 10-02-2021 |
| 25 | Ajesh Antony | National Webinar on The Recent Developments in Statistics and Probability – 2021” | Department of Statistics , St. Thomas’ College (Autonomous), Thrissur, | National | 18-02-2021 to 19-02-2021 |
| 26 | Ajesh Antony | Life in the 2020’s :social ,cultural and economic dimensions | Sacred Hearts college , Chalakudy, Kerala | National | 25-05-2021 |
| 27 | Ajesh Antony | INTERNATIONAL VIRTUAL CONFERENCE ON ENTREPRENEURSHIP DURING CHALLENGING TIMES: STRATEGIES FOR SUCCESS & SUSTENANCE in TECHNICAL SESSSION: DIGITAL ENTREPRENEURSHIP. | ATAL BIHARI CENTRE FOR ENTREPRENEURSHIP & SMALL BUSINESS and SKILLDEVELOPMENT FACULTY OF MANAGEMENT STUDIES  MOHANLAL SUKHADIA UNIVERSITY, UDAIPUR, RAJASTHAN, INDIA | International | 19-06-2021 to 20 -06-2021 |
| 28 | Ajesh Antony | “IPR in Academic Writing- An inevitable Vicissitudes in Higher Education Sector during Covid 19” | POST GRADUATE DEPARTMENT OF COMMERCE AND MANAGEMENT STUDIES  NSS COLLEGE, NEMMARA PALAKKAD | National | 03/07/2021 |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer & venue | International/  National | Date |
| 1 | Sindhu George | Expert Talk  NATIONAL INNOVATION DAY OBSERVANCE- BUILDING AN INNOVATION CULTURE IN CAMPUS | JOINTLY ORGANISED BY IIC AND START UP AND INNOVATION CELL | National | 30-10-2021 |
| 2 | Sindhu George | Invited Talk  WEBINAR ON INTELLECTUAL PROPERTY RIGHTS | DEPARTMENT OF COMMERCE, ST ALOYSIUS COLLEGE, ELTHURUTH | National | 29-09-2021 |
| 3 | Jilna John | Webinar on Empowering Indian Start-ups and India Start-up Day Observance | JOINTLY ORGANISED BY IIC AND START UP AND INNOVATION CELL | National | 30-10-2021 |

K. Special achievements/awards during 2021, if any

**Part II**

1. **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 | FINCON 2021 | Dr. Biju John M & Sijo Jacob V | Research Department of Commerce | International | 25, 26 March 2021 |
| 2 | Data Analysis and Project Report Preparation | Dr. Biju John M & Sindhu George | Research Department of Commerce | National | 08 October 2021 |

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

**Sd/-**

**Name & Designation of the**

**Head of the Research Centre**

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

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

University of Calicut

PROFORMA - ANNUAL REPORT 2021 [Research]

(From January 01, 2021 onwards) Name of Research Centre : ENGLISH

Address : ST. THOMAS COLLEGE, THRISSUR

E-mail ID & Contact No. :

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1  2  3  4  5  6  7 | Anto Thomas C  C.S. Biju  Martin K.A.  Viju M. J.  Syam Sudhakar  Sanil Raj J.  C.J. Davees | Associate Professor  Associate Professor  Assistant Professor  Assistant Professor  Assistant Professor  Associate Professor (Retired)  Associate Professor (Retired) | English  ELT  English | Children’s Literature, Cultural Studies, Fiction  Indian English  Cultural Studies, Poetry, Gender |

1. **Details of Publications during 2021** (**latest first**)
2. **Publications in International Journals during 2021** (**latest first**)

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

1. **Publications in National Journals during 2021** (**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. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Author(s) in  order | Title | Publisher,  Volume, pages | Date of  Publication | International/  National |
| 1  2. | Viju M. J.  Viju M.J. | The New Education Policy( NEP): Application of ICT in Teaching, Learning and Administration in Education/ELt in Kerala/India( Chapter in the book English Language Education: Concerns, Modalities and 21st Century Practices)  Santhome Luminaries ( English translation) | APH Publishing Corporation, New Delhi- 110 002  Publications Divisions,St Thomas College,Thrissur | Jan.2021  February, 2021 | National  National |

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  |  |  |  |  |  |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. | Candidate | Supervis | Title | Subject | Date of | Part | Nature |
| No |  | or |  |  | Registration | time/ | of |
|  |  |  |  |  |  | Full | fellows |
|  |  |  |  |  |  | time | hip |
| 1 | Aiswarya P. | Anto Thomas C | IMAGING NAGA AND ASSAMESE WOMEN: A TRANSNATIONAL FEMINIST CRITIQUE OF NORTHEAST INDIAN WOMEN'S LITERATURE | English | 29-09-2021 | Full Time | JRF |
| 2 | Antu M.L. | Viju M. J. | Developing an Affective Pedagogy to Enhance English Language Competence of Students at Tertiary Level | English | 06-02-2021 | Full Time | NIL |
| 3 | MARIYA THOMAS | C S BIJU | Embodying Desire: Clothing Cultures if Kerala | ENGLISH | 29-09-2021 | FULL TIME | JRF |
| 4 |  |  |  |  |  |  |  |

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

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

1. **Research Projects submitted during 2021** (**latest first**)

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

1. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  Venue | International/  National | Period |
| 1 | Viju M.J. | Tracing the Trajectory of English in India (Webinar) | Research Dept.ofEnglish,St Thomas College,Thrissur | National | 05-10-21 |
| 2 | Viju M.J. | Beyond the Boundaries (A 5ay National Webinar) | K.E.College,Mannanam | National | 27-09-21 to  01-10-21 |
| 3 | Viju M.J. | Empowering Teachers to Integrate Technology: Challenges and Solutions (Webinar) | ELTAI,Chennai | National | 01-08-2021 |
| 4 | Viju M.J. | The Glove and the Mirror: Metaphors to Explore Shakespeare  (Webinar) , | ELTAI,Chennai | National | 25-07-2021 |
| 5 | Viju M.J. | Impact of Covid-19 on Higher Education (NACC sponsored webinar) | Shree PrabhuArts&amp;Sciencecollege,Shorapur,KARNATAKA | National | 20-07-2021 |
| 6 | Viju M.J. | Reading for Success(5 Day WORKSHOP) | Wisdom Academy,Bangalore | National | 12-07-21  To  17-07-21 |
| 7 | Viju M.J. | RESEARCH CONSULTANCY (WEBINAR) | Research Council& Innovation Cell, St.ThomasCollege,Thrissur | Regional | 16-06-21 |
| 8 | Viju M.J. | SYSTEMS THINKING& MODELLING (WEBINAR) | Dept.of Computer Science,St Thomas College,Thrissur | International | 16-06-21 |
| 9 | Viju M.J. | NEP & ODL SYSTEMS:CHALLENGES IN ELT(Webinar ) | ELTAI,Chennai | International | 13-06-21 |
| 10 | Viju M.J. | Literature in the times of Corona Virus (Webinar) | Research& PG Dept.of English, STC,Thrissur | National | 22-03-21 |
| 11 | Viju M.J. | 32 shepherd memorioal lecture | S.B.College, Changanassery | International | 12-01-21 |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer & venue | International/  National | Date |
| 1 | Anto Thomas C | (Invited Paper Presentation)  Child as ‘Prosumers’ of Children’s Media in Post Pandemic India | Aesthetic & Pedagogic Entanglements: 25th Biennial Congress of the International Research Society for Children’s Literature (Online)  Universidad Católica de Chile  Santiago | International | 22-10-2021 |
| 2 | Viju M.J. | International Teachers Day | DrViju MJ  Online platform | International | 05-10-21 |
| 3 | Anto Thomas C | Chaired a session in the UGC Sponsored (Under Autonomy Grants) two day International Conference on Contemporary Trends in World Literatures, Language and Cultural Studies in English (Online) | Bhopal School of Social Science and Christ College (Autonomous), Irinjalakkuda | International | 29-30 September 2021 |
| 4 | Viju M.J. | Inauguration of French A1& Portuguese A1 Courses | Dr.Viju MJ ( Jt.Coordinator) under SIIFL, STC,Thrissur | College level | 11-08-21 |
| 5 | Anto Thomas C | Invited Speaker at the virtual event “The Academic Study of Children’s Literature” | Room to Read in partnership with USAID India and Doon University, Dehradun | National | 19-07-2021 |
| 6 | Viju M.J. | Interview for the Selection of Guest Faculty | Institute of Advanced Study in Education | College level | 12-07-21 |
| 7 | Anto Thomas C | (Panel Paper Presentation)  Transformation and Continuity: Political and Cultural Changes in Children’s Literature from the Past Century to the Present Day.  15th Child and the Book Conference  Paper on “Reviving Nationalism: Kashmir in Indian English Children’s Literature”  (Online) | Freie Universitat, Berlin, Germany. | International | 24-26 March 2021 |
| 8 | Viju M.J. | Essay competition in connection with Dandi March | DrViju MJ  Room.No.18, STC,Thrissur | National | 12-03-21 |
| 9 | Viju M.J. | Seminar based on Post Covid Mental Conflicts of Students | DrViju MJ, Being Dept.OSA Secretary  MedlycottHall,STC,THrissur | College | 15-03-21 |
| 10 | Syam Sudhakar | Travelling Poems: A Retrospection | Mary Matha Arts and Science College, Manandavady. Google meet | National | 03/03/2021 |
| 11 | Viju M.J. | Keats Day( Keatsegy) | DrViju MJ  Room.No.18, STC,Thrissur | College | 23-02-21 |

K. Special achievements/awards during 2021, if any

**Part II**

1. **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 | Tracing the Trajectory of English in India ( Webinar) | DrViju MJ | IQAC, STC,Thrissur& Research & PG Dept.ofEnglish,St Thomas College,Thrissur | National | One Day (05-10-21) |
| 2 | Literature in the times of Corona Virus  (Webinar) | Mr.Biju MA | IQAC, STC,Thrissur  Research & PG Dept.ofEnglish,St Thomas College,Thrissur | National | 22-03-21 |
| 3 | Seminar based on Post Covid Mental Conflicts of Students | DrViju M.J. | English Dept.OSA, STC,THrissur | College level | 15-03-21 |
| 4 | WORKSHOP ON ACADEMIC WRITING , State , | Mr.Biju M.A. | IQAC, STC,Thrissur  Research & PG Dept.ofEnglish,St Thomas College,Thrissur | National | 27-02-2021 |
| 5 | Research Forum Seminar | HoD,  DrAnto Thomas | Research & PG Dept.ofEnglish,St Thomas College,Thrissur | College level for MA & Research students | Every Friday |

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

**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 2021 [Research]

(From January 01, 2021 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

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1 | Dr. Sabu P J | Assistant Professor | Economics of Education |  |
| 2 | Dr. C D Johny | Associate Professor(Rtd.) | Economics of Tourism |  |
| 2 | Dr. K M Francis | Associate Professor(Rtd.) | Tribal Economics |  |

1. **Details of Publications during 2021** (**latest first**)
2. **Publications in International Journals during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  pages | Publisher, Date of Publication with  **doi** | Impact Factor, if  any |
| 1 | Jeena P.M & Dr Sabu P.J | Public Expenditure on School education in India – An Empirical Analysis | Journal of Education, Vol.XXIII, No.10 | Rabindra Bharati University |  |

1. **Publications in National Journals during 2021** (**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 | Emmanuel Thomas and Lekha Chakraborty | Loosen the purse strings | Indian Express | 10/03/2021 | -- | --- |
| 2 | Emmanuel Thomas and Lekha Chakraborty | Keep the Wheels of Economic Recovery Turning | The Hindu | 28/01/2021 | -- | --- |

1. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

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

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
| 1 | Nisha T A | Dr. Sabu P J | Household Expenditure in Kerala : An economic Analysis | Economics | 23/07/2021 |
| 2 | Sasi C | Dr. K M Francis | Human capital formation of schedule caste in Kerala , Problem and prospects in Education. | Economics | 09/08/2021 |
| 3 | Anila C | Dr. K M Francis | An analysis of saving and investment behaviour of Urban household I Kerala | Economics | 6/10/2021 |
| 4 | Shijitha | Dr. K M Francis | Land use pattern in Kerala | Economics |  |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

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

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

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

1. **Research Projects submitted during 2021** (**latest first**)

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

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | International/  National | Period |
| 1 | Mary K Francis | Impact of Covid 19 on the Transforming Indian Economy | Dr. John Mathai Centre University of Calicut, Aranattukara | National | 12/01/2021 to 13/01/2021 |
| 2 | Jeena P M | Research, Consultancy and Startup, How to Go About it | |  | | --- | | St. Thomas College Thrissur | | National | 16 June 2021 |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

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

K. Special achievements/awards during 2021, if any

**Part II**

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

**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 2021 [Research]

(From January 01, 2021 onwards) Name of Research Centre: St.Thomas College (Autonomous),Thrissur

Address : Research and PG Department, Department of Mathematics,

Thrissur

E-mail ID & Contact No. :drsrjulieandrews@gmail.com, 8281524500

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1  2  3  4 | Dr.Alphonsa Mathew  Dr.Julie Andrews  Dr .Viji .M  Dr.Saju M I | Assistant Professor Assistant Professor  Assistant Professor  Assistant Professor | Mathematics  Mathematics  Mathematics  Mathematics | Fluid Dynamics  Fluid Dynamics  Algebra  Cryptography |

1. **Details of Publications during 2021** (**latest first**)
2. **Publications in International Journals during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  Pages | Publisher, Date of Publication with  **doi** | Impact Factor, if  any |
| 1 | A.S. Sabu, A. Wakif, S. Areekara, **Alphonsa Mathew**, N.A. Shah, | Significance of nanoparticles’ shape and thermo-hydrodynamic slip constraints on MHD alumina-water nanoliquid flows over a rotating heated disk: The passive control approach | *International Communications in Heat and Mass Transfer*, **129**, 105711 (2021). | <https://doi.org/10.1016/j.icheatmasstransfer>  .2021.105711 | 5.683 |
| 2 | A.S. Sabu, J. Mackolil, B. Mahanthesh, **Alphonsa Mathew** | Reiner-Rivlin nanomaterial heat transfer over a rotating disk with distinct heat source and multiple slip effects | *Applied Mathematics and Mechanics*, **42**, 1495–1510 (2021). | https://doi.org/10.1007/s10483-021-2772-7 | 2.866 |
| 3 | **Alphonsa Mathew**, S. Areekara, A.S. Sabu | Sensitivity analysis on radiative heat transfer of hydromagnetic Carreau nanoliquid flow over an elongating cylinder using Bulirsch-Stoer algorithm. | *Thermal Science and Engineering Progress*, **25**, 101038 (2021). | https://doi.org/10.1016/j.tsep.2021.101038 |  |
| 4 | S. Areekara, F. Mabood, A.S. Sabu, **Alphonsa Mathew**, I.A. Badruddin | Dynamics of water conveying single-wall carbon nanotubes and magnetite nanoparticles subject to induced magnetic field: A bioconvective model for theranostic applications | *International Communications in Heat and Mass Transfer*, **126**, 105484 (2021). | https://doi.org/10.1016/j.icheatmasstransfer.2021.105484 | 5.683 |
| 5 | **Alphonsa Mathew**, S. Areekara, A.S. Sabu, S. Saleem | Significance of multiple slip and nanoparticle shape on stagnation point flow of silver-blood nanofluid in the presence of induced magnetic field | *Surfaces and Interfaces*, **25**, 101267 (2021). | https://doi.org/10.1016/j.surfin.2021.101267 | 4.837 |
| 6 | S. Areekara, A.S. Sabu, R. Kumar, **Alphonsa Mathew** | Triple stratification effects on bioconvective stagnation point flow pertaining carbon nanotubes due to induced magnetic field | *ZAMM - Journal of Applied Mathematics and Mechanics / Zeitschrift für Angewandte Mathematik und Mechanik*, e202000375 (2021). | DOI: 10.1002/zamm.202000375 | 1.603 |
| 7 | S. Areekara, A.S. Sabu, **Alphonsa Mathew**, B. Saravanan | Statistical analysis on the stratification effects of bioconvective EMHD nanofluid flow past a stretching sheet: Application in theranostics | *Heat Transfer*, **50**, 6680–6702 (2021). | DOI: 10.1002/htj.22198 |  |
| 8 | **Alphonsa Mathew**, T.S. Neethu, S. Areekara | Three-dimensional hydromagnetic hybrid nanoliquid flow and heat transfer between two vertical porous plates moving in opposite directions: Sensitivity analysis | *Heat Transfer*, **50**, 6548–6571 (2021). | DOI: 10.1002/htj.22192 |  |
| 9 | A.S. Sabu, S. Areekara, **Alphonsa Mathew** | Effects of multislip and distinct heat source on MHD Carreau nanofluid flow past an elongating cylinder using the statistical method | *Heat Transfer*, **50**, 5652–5673 (2021). | DOI: 10.1002/htj.22142 |  |
| 10 | T.S. Neethu, S. Areekara, **Alphonsa Mathew** | Statistical approach on 3D hydromagnetic flow of water‐based nanofluid between two vertical porous plates moving in opposite directions | *Heat Transfer*, **50**, 5170–5197 (2021). | DOI: 10.1002/htj.22120 |  |
| 11 | A.S. Sabu, S. Areekara, **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*, **50**, 3641–3660 (2021). | DOI: 10.1002/htj.22045 |  |
| 12 | A.S. Sabu, **Alphonsa Mathew**, T.S. Neethu | 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*, **22**, 100816 (2021). | https://doi.org/10.1016/j.tsep.2020.100816 |  |

1. **Publications in National Journals during 2021** (**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 | Rose Paul,Julie Andrews | Nano Fluids and its applications in solar energy-A Review | COMMUNICATED |  |  |  |

1. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

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

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  |  |  |  |  |  |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Sl. | Candidate | Supervis | Title | Subject | Date of | Part |
|  | No |  | Or |  |  | Registration | time/ |
|  |  |  |  |  |  |  | Full |
|  |  |  |  |  |  |  | time |
| 1 | SUJESH A S | Dr. Alphonsa Mathew | Mathematical modeling of biological variations due to application of nanofluids in body fluids | Fluid Dynamics | 26/12/2018 | Full Time | NIL |
| 2 | ABOOBACKER P | Dr. Viji M | Design and development of cryptographically secure primitives | Cryptography | 26/12/2018 | Part Time | NIL |
| 3 | SARAVANAN B | Dr. Alphonsa Mathew | A study on steady and unsteady magneto dynamics flow problems | Fluid Dynamics | 22/01/2018 | Part Time | NIL |
| 4 | KARTHIKA S | Dr. Viji M | Representation of some noncommutative modules and algebras | Algebra | 27/12/2017 | Full Time | NIL |
| 5 | NEETHU T S | Dr. Alphonsa Mathew | Flows of nano fluids past plates and in channels | Fluid Dynamics | 23/06/2017 | Full Time | UGC JRF |
| 6 | ROSE PAUL | Dr. Julie Andrews | Studies on nanofluids: convection flows and diverse applications | Fluid Dynamics | 31/01/2017 | Part Time | NIL |
| 7 | SABU A S | Dr. Alphonsa Mathew | Magnetohydrodyn-amic convective flow problems: fascinating applications of nanofluids | Fluid Dynamics | 09/08/2016 | Part Time | NIL |

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

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

1. **Research Projects submitted during 2021** (**latest first**)

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

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | International/  National | Period |
| 1 | Viji M | 5 Day Online ‘Moodle’ Training Workshop - Advanced | IQAC, St. Thomas college(Autonomous), Thrissur | Others | 5 days |
| 2 | Viji M | Research, Consultancy &amp; start-up: How to go about it? | The Research Council, IQAC and Startup &amp; Innovation Cell, St.Thomas College(Autonomous), Thrissur | Others | ½ day |
| 3 | Julie Andrews | Research Career:international opputunities and novel aspects | The Research Comittee, IQAC , KKTMGovt College, PULLUT, Thrissur | others | ½ day |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

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

K. Special achievements/awards during 2021, if any

**Part II**

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

**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 2021 [Research]

(From January 01, 2021 onwards) Name of Research Centre : RESEARCH AND PG

DEPARTMENT OF PHYSICS

Address : ST THOMAS’ COLLEGE (AUTONOMOUS),THRISSUR-680001

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

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1  2  3  4 | Dr. Anto Johny T  Dr. Vimalkumar T V  Dr. Johns Naduvath  Dr. Ann Mary K A | Associate Professor  Assistant Professor  Assistant Professor  Assistant Professor | Material Science  Photovoltaic  materials, Nano materials, Solar Thermal Energy.  Semiconducting oxides, nanomaterials, thin films, photovoltaics, sensors.  Material Science, Bio-photonics, Non- linear optics, Biosensing | PHYSICS  PHYSICS  PHYSICS  PHYSICS |

1. **Details of Publications during 2021** (**latest first**)
2. **Publications in International Journals during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  Pages | Publisher, Date of Publication with  **doi** | Impact Factor, if  any |
| 1 | **Kakkassery Aippunny Ann Mary**,Kuttappan Anupama, Tessy Paul. | Solid-State Fluorescent Selenium Quantum Dots by a Solvothermal-assisted Sol-Gel Route for Curcumin Sensing. | ACS OMEGA,2021,6,33,21525-21533 | ACS,July 28,2021  Doi:https://doi.org/10.1021/acsomega.1c02441 | 3.512 |

1. **Publications in National Journals during 2021** (**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. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Author(s) in  order | Title | Publisher,  Volume, pages | Date of  Publication | International/  National |
| 1 | K A Ann Mary,Johns Naduvath, A P Sunitha | Fluorescent Carbon Dots: Properties and Applications | Optical and Molecular Physics: Theoretical Principles and Experimental Methods,97-119. | 2021 | International |

| Sl.  No | Name | Title of the event | Organizer &  Venue | International/  National | Period |
| --- | --- | --- | --- | --- | --- |
| 1 | JIBIN P O | Webinar on “Flat Band Systems: Insulators from a modern Perspective”  International e- Conference on “Recent Trends in Nanotechnology and Material Sciences” | Department of Physics,Christ College,Irinjalakuda,Kerala.  Post Graduate Department of Physics,St joseph’s College for Women,Alappuzha, Kerala,india | National  International | 16/08/2021  18th Jan- 20th Jan 2021 |
| 2 | Tessy Paul | International webinar on Nanostructures for next generation devices. | Loyola College (Autonomous), Chennai, India. | International | 16/03/2021 |
|  |  | Webinar on " Research consultancy & Start up: How to go about it?". | St Thomas'College, Thrissur, Kerala, India. |  | 16/06/2021 |
|  |  | Webinar on Publication in Credible Journals | St Thomas'College, Thrissur, Kerala, India. |  | 12/08/2021 |
|  |  | National webinar on " Two dimensional materials for future nanoelectronics". | Carmel College, Mala, Kerala, India. | | National | | --- | | | 17/08/2021 | | --- | |
| 3 | Anitha T V | Webinar on " Research consultancy & Start up: How to go about it?".  Webinar on Publication in Credible Journals | St Thomas'College, Thrissur, Kerala, India.  St Thomas'College, Thrissur, Kerala, India. |  | 16/06/202  12/08/2021 |
| 4 | SHANU A S | Two week interdisciplinary FDP/Refresher ourse on “ Structural Analysis using Rietveld Refinement, Microscopic and Compositional Analysis.  International webinar on “ Education , a tool for Hi- Tech & Modern society, career prospects.  Online FDP on “Materials for Photonic Applications”  Webinar on “Flat Band Systems: Insulators from a modern Perspective”  Webinar on ” X-Ray Diffraction – Good Analysis Practise”  Workshop on ”Beauty of Quantum Mechanics in real life”  Webinar on “ Research Consultancy & Startup: How to go about it? “  Webinar on “ Solving and Visualizing Physics problems using Mathematica” | Guru Angad Dev Teaching Learning Centre, Ministry of Education, Govt. of India under PMMMNMT in collaborating with St. John’s College Agra, Bishop Moore College Mavelikara, atholicate College Pathanamthitta, Sacred Heart College Chalakudy, Christ College Irinjalakuda  KKTM Govt College, Pullut  Mahatma Gandhi Institute of Technology, Hyderabad  Department of Physics, Christ College(Autonomous), Irinjalakuda  MES Asmabi College, P. Vemballur, Thrissur  Department of Nanoscience and Technology, University of Calicut  St. Thomas’ College(Autonomous), Thrissur  Department of Physics, University of Calicut | International  International  International  National  National  International  National  International | 29th Sep – 13th Oct 2021  4th Sep 2021  9th Aug- 13th Aug 2021  16th Aug 2021  29th July 2021  21st June – 25th June 2021  16th June 2021  27th May 2021 |
| 5 | SWATHY MOHANAN | Webinar on " Research consultancy & Start up: How to go about it?".  National webinar on " Two dimensional materials for future nanoelectronics".  Two day Online Workshop on XRD for better research and analysis  International webinar on “ Put Aeris to the test: the measurement of thin film and small amounts of  organic powders.&quot;, | St Thomas'College, Thrissur, Kerala, India.  Carmel College, Mala, Kerala, India.  IIT Jammu and  Malvern Panalytical  Malvern Panalytical | National  National  International  International | 16/06/2021  17/08/2021  6/07/2021 to 7/07/2021  22/05/2021 |
| 6 | Anupama K | Web –Colloquium on Light-Matter Interaction  Webinar on ” X-Ray Diffraction – Good Analysis Practice”  Webinar on " Research consultancy & Start up: How to go about it?"  ATAL FDP on Nanoscience for Nanomaterials | KSCSTE-SRIBS and CMET, Thrissur  MES Asmabi College, P. Vemballur, Thrissur  St Thomas College (Autonomous) Thrissur  Manakula Vinayagar Institute of Technology, Puducherry | National  National  National  National | 22- 25 July 2021  29th July 2021  16/06/2021  20-24th Sept 2021 |
| 7 | Gadha Menon K | Webinar on " Research consultancy & Start up: How to go about it?"  RecentbTrends in LASER Materials Processing | St Thomas'College, Thrissur, Kerala, India.  St Joseph College, Trichy | National | 16/06/2021  21/10/2021 |
| 8 | Greatel Francis Paremel | Resent trends in applied physics  From research to Publication | Newman College,Thodupuzha  Asmabi College,Vemballur | National  National | 21-23/9/21  28/7/21 |
| 9 | Jasmi K K | Webinar on " Research consultancy & Start up: How to go about it?"  International Conference on Advanced Materials(ICAM 2021)  . | St Thomas'College, Thrissur, Kerala, India.  University of Calicut | National  International | 16/06/2021  1/07/2021-2/07/202 |

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  |  |  |  |  |  |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

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

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

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

1. **Research Projects submitted during 2021** (**latest first**)

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

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | International/  National | Period |
| 1 | Dr. Johns Naduvath | RESEARCH, CONSULTANCY & START UP: HOW TO GO ABOUT IT?  ORIENTATION SESSION FOR STUDENTS AND FACULTY MEMBERS BY INNOVATION AMBASSODER ON INTELLECTUAL PROPERTY RIGHTS  NATURAL AND SYNTHETIC NANO STRUCTURES –APPLICATION IN HEALTH CARE  PATENT APPLICATION ON INNOVATIVE ACADEMIC RESEARCH | INTERNAL QUALITY ASSURANCE CELL,RESEARCH COUNSIL STARTUP & INNOVATION CELL.  PG AND RESEARCH DEPARTMENT OF MATHEMATICS AND INSTITUTIONS’ INNOVATION COUN CIL  DEPARTMENT OF PHYSICS IN ASSOCIATION WITH INTERNAL QUALITY ASSURANCE CELL(IQAC)  RESEARCH AND PG DEPARTMENT OF BOTONY, SUPPORTED BY IQAC AND INNOVATION CELL | National  National  National  National | 16/06/2021  (11.30am-1.30pm)  29/07/2021(2.30pm -4.30pm)  27/03/2021(11am-1pm)  09/07/2021(2pm-4pm) |
| 1 | Dr.Vimalkumar T V | Educational Technology – Hands On  Five days Webinar on Need and Direction Towards Energy Independence | Kerala State Higher Education Council, Govt of Kerala  Energy Swaraj Foundation , IEEE,ISTE | National  National Level | 23- 28 June 2021  15- 19 August 2021 |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer & venue | International/  National | Date |
| 1 | Dr.Vimalkumar T V | Orientation Programme on 'Opportunities in Higher Education' | IQAC, K.K.T.M. Govt. College, Pullut, | National | 05-08-2021. |
| 2 | Dr.Vimalkumar T V | Resource Person National Webinar Scope of Higher Studies | Parappokkara Grama Panchayath , Thrissur | National | 11-08-21 |
| 3 | Dr.Vimalkumar T V | Resource person National Webinar on Energy and Sustainable Development Goals | |  | | --- | | Department of Management Studies, Mar Dionysius College, Thrissur | | National | |  | | --- | | 12th October 2021 | |
| 4 | Dr.Vimalkumar T V | Resource person National Webinar on Opportunities in Higher Education for Science Students | Chemistry College , KG College ,Pambady | National | 28-08-2021 |
| 5 | Dr.Vimalkumar T V | Resource Person Webinar on Sustainable Development Goals | Ansar Training College for Women , Perumbilavu | National | 13-07-2021 |
| 6 | Dr.Vimalkumar T V | Resource Person webinar Sustainable Development Goal- Role of Ozone layer and Climate Change | MES College,Marampally | National | 17-09-2021 |

K. Special achievements/awards during 2021, if any

Dr.Vimalkumar T V – Jury Member of Vaiga Agrihack 2021- Initiated by Agriculture Department , Govt of Kerala .

Dr.Vimalkumar T V- Mentor of Sasthrapadam 2020-21 initiated by General Education ,Kerala

**Part II**

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

**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 2021 [Research]

(From January 01, 2021 onwards) Name of Research Centre : Department of Statistics

Address : St Thomas College(Autonomous),Thissur-680001

E-mail ID & Contact No. :chackovm@gmail.com, 9961335938

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
|  | Dr.V.M.Chacko | Asst. Professor and Head | Reliability | Statistics |
|  | Dr. Sajesh T A | Assistant Professor | Multivariate Analysis, Robust multivariate techniques, Outlier detection, Statistical quality control | Statistics |
|  | Dr.Nicy Sebastian | Asst. Professor | Statistics | Distribution Theory, Special Functions |
|  | Dr.Davis Antony M | Associate Professor  Christ College, Irinjalakuda | Time Series and Distribution Theory | Statistics |
|  | Dr. Thomas Mathew | Associate Professor  MD College, Pazhanji | Time Series and Distribution Theory | Statistics |
|  | Dr. Sreedevi E P | Assistant Professor  SreeNeelakandaGovt College, Pattambi | Survival and Distribution Theory | Statistics |

Details of Publications during 2021 (latest first)

1. **Publications in International Journals during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  Pages | Publisher, Date of Publication with  **doi** | 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 | November 2021 | Web of Science ESCI & UGC Care |
| 2 | V M Chacko | On Birnbaum type joint importance measures for multistate reliability systems. | Communications in Statistics – Theory and Methods, 2021. | July 2021 https://doi.org/10.1080/03610926.2021.1961000 | Scopus & Web of Science |
| 3 | Gauthami P., Chacko V. M**.** | Dus Transformation of Inverse Weibull Distribution: An Upside-Down Failure Rate Model | Reliability Theory and Applications, Vol.16, No.2(62), 2021, 58-71 | June 2021 https://doi.org/10.24412/1932-2321-2021-262-58-71 | Cite Score 0.6 |
| 4 | Deepthi K S, V. M. Chacko | Identification of Failure Rate Behaviour of Increasing Convex (Concave) Transformations | Reliability Theory and Applications, Vol.61, pp.109-116, 2021. | March 2021  https://doi.org/10.24412/1932-2321-2021-161-109-116 | Cite Score 0.6 |
| 5 | Anakha K K, V M Chacko, | On ageing properties of lifetime distributions, | [arXiv:2107.09921v1](https://arxiv.org/abs/2107.09921v1) |  |  |
| 6 | Beenu Thomas & Chacko V M | [On a generalized Birnbaum Saunders Distribution](https://arxiv.org/abs/2109.00880), | <https://arxiv.org/abs/2109.00880> |  |  |
|  | O K Sajana and Sajesh T A | Robust quadratic discriminant analysis using *Sn* covariance | Communications in Statistics – Simulation and Computation. | 15th March 2021  <https://doi.org/10.1080/03610918.2020.1868512> | Scopus & Web of Science |
|  | Nicy Sebastian,  Arak M. Mathai and  Hans J. Haubold | Entropy Optimization, Maxwell–Boltzmann, and Rayleigh Distributions | Entropy **2021**, 23(6), 754 | June 2021,  <https://doi.org/10.3390/e23060754> |  |
|  | [G S Deepthy](https://arxiv.org/search/math?searchtype=author&query=Deepthy%2C+G+S), [Nicy Sebastian](https://arxiv.org/search/math?searchtype=author&query=Sebastian%2C+N) and [Reshma Rison](https://arxiv.org/search/math?searchtype=author&query=Rison%2C+R) | Some Properties and Applications of Burr III-Weibull Distribution | <https://arxiv.org/abs/2103.03702> |  |  |
|  | [Nicy Sebastian](https://arxiv.org/search/math?searchtype=author&query=Sebastian%2C+N), and [V R Rajitha](https://arxiv.org/search/math?searchtype=author&query=Rajitha%2C+V+R) | Different Estimation Procedures For Topp Leone Exponential And Topp Leone q Exponential Distruibution | <https://arxiv.org/abs/2103.03723> |  |  |
| 7 | Sreedevi E.P., Sudheesh K.K. and Isha Dewan | A non parametric test for time to failure and cause of failure in discrete competing risks data | Statistics, Published online on 15-09-21 | Taylor and Francis, DOI: 10.1080/02331888.2021.1975712 | 1.051 |
| 2 | Sreedevi E.P. and Sankaran P.G. | Statistical methods for estimating cure fraction of Covid-19 patients in India. | Model Assisted Statistics and Applications ,2021, 16(1), 59-64 | IOS press | 0.52 |
| 8 | Sankaran P.G. Ashlin Mathew P.M. and Sreedevi E.P. | Cause specifc rate functions for apnel count data with multiple modes of failure | Journal of Indian Statistical Association, 2020, 58(2), 175-194 | Indian Statistical Association | - |

1. **Publications in National Journals during 2021** (**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. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

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

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
| 1 | DEEPTHI K S | CHACKO V M | Reliability Analysis for the Multistate system | STATISTICS | 24.06.2021 |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. | Candidate | Supervis | Title | Subject | Date of | Part | Nature |
| No |  | or |  |  | Registration | time/ | of |
|  |  |  |  |  |  | Full | fellows |
|  |  |  |  |  |  | time | hip |
|  | Ms. Maya Padmanabhan | Dr. Sajesh T A | Outlier Detection in Cancer Data | Statistics | 15-07-2021 | Part time | NIL |
|  |  |  |  |  |  |  |  |

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No. | Principal  Investigator | Title | Funding  Agency | Order No. | Amount |
| 1 | Sreedevi E.P. | Statistical analysis of lifetime data under censoring and truncation | KSCSTE | KSCSTE/434/2018-KSYSA RG | 16,82,000 |

1. **Research Projects submitted during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No. | Principal  Investigator | Title | Funding  Agency | Order No. | Amount |
| 1 |  |  |  |  |  |
|  |  |  |  |  |  |

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | International/  National | Period |
| 1 | CHACKO V M | INTERNATIONAL CONFERENCE (VIRTUAL MODE) ON EMERGING TRENDS IN STATISTICS AND DATA SCIENCE IN CONJUNCTION WITH 40TH ANNUAL CONVENTION OF INDIAN SOCIETY FOR PROBABILITY & STATISTICS (ISPS) 7-10 SEPTEMBER, 2021 | Departments of Statistics of Cochin University of Science & Technology, Cochin M.D. University, Rohtak University of Kerala, Trivandrum Bharathiar University, Coimbatore The Madura College (Autonomous), Madurai | International | 4 Days |
| 2 | CHACKO V M | 23rd Annual Conference of SSCA (online) on “Visionary Innovations in Statistical Theory and Applications (VISTA-2021)” during 24 – 28 February, 2021 | ICAR - National Academy of Agricultural Research Management (ICAR - NAARM), Hyderabad. | International | 5 Days |
| 3 | CHACKO V M | Webinar on “Advances of Statistics” June 29, 2021 | Department of Mathematics, Carmal College, Mala in Connection with National Statistics Day | National | 1 Day |
| 4 | CHACKO V M | Research and Publication Ethics Online Course, 08 September to 16 October 2021 | St.Thomas College(Autonomus), Thrissur & Directorate of Research, University of Calicut | National | 36 Hours |
|  | CHACKO V M | National Webinar on Recent Developments in Statistics and Probability, 18-19 Feb 2021 | Dept. of Statistics, St.Thomas College(Autonomus), Thrissur | National | 2 Days |
|  |  | International Webinar on Recent Innovations in Statistical Methods and Applications, 23, 25 Feb, 1, 2, 3 March 2021 | Dept. of Statistics, Christ College(Autonomus), Irinjalakkuda | International | 5 Days |
|  |  | National Webinar on Statistical Sciences, 8-10 March 2021 | Dept. of Statistics, University of Calicut | National | 3 Days |
|  | Nicy Sebastian | National Webinar on Recent Developments in Statistics and Probability, 18-19 Feb 2021 | Dept. of Statistics, St.Thomas College(Autonomus), Thrissur | National | 2 Days |
|  | Nicy Sebastian | National Webinar on Statistical Sciences, 8-10 March 2021 | Dept. of Statistics, University of Calicut | National | 3 Days |
|  | Sreedevi E.P. | 33 Kerala Science Congress | KSCSTE | State | 3 days |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer & venue | International/  National | Date |
| 1 | CHACKO V M | Webinar on “Advances of Statistics” | Department of Mathematics, Carmal College, Mala in Connection with National Statistics Day | National | June 29, 2021 |
| 2 | CHACKO V M | Research and Publication Ethics Online Course | St.Thomas College(Autonomus), Thrissur & Directorate of Research, University of Calicut | National | 08 September to 16 October 2021 |

K. Special achievements/awards during 2021, if any

**Part II**

1. **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 | [Webinar on Statistical Computing using SPSS](https://stthomas.ac.in/webinar-on-statistical-computing-using-spss/) | Ashlin Mathew P M | Dept. of Statistics, St.Thomas College(Autonomus), Thrissur | National | 1 Day |
|  | [World Population Day E-Elocution Competition](https://stthomas.ac.in/world-population-day-e-elocution-competition/) | Ashlin Mathew P M | Dept. of Statistics, St.Thomas College(Autonomus), Thrissur | National | 1 Day |
|  | [Statistics Day Celebration 2021](https://stthomas.ac.in/statistics-day-celebration-2021/) | Dr Rani Sebastian | Dept. of Statistics, St.Thomas College(Autonomus), Thrissur  (Dr. Joy Elamon Director General, Kerala Institute of Local Administration inaugurated and delivered a keynote speech on Sustainable Development Goal 2: Zero Hunger, as a part of National Statistics Day 2021.) | National | 1 Day |
|  | Webinar Series, [OPPORTUNITA DI LAVORO :](https://stthomas.ac.in/opportunita-di-lavoro-department-of-statistics/) | Dr Nicy Sebastian | Department of Statistics organised the Webinar Series “OPPORTUNITA DI LAVORO” on 24 March 2021. The inaugural ceremony and first session of the webinar was organised and Dr. Rani Sebastian was the resource person.  Session 2 of the webinar was organised on 25 March 2021. Dr. Sudhesh Kumar Kattumannil and Mr. Rajesh Joseph were the resource persons. | National | 1 Day |
| 2 | National Webinar on Recent Developments in Statistics and Probability, 18-19 Feb 2021 | Dr.Anusree M R, Ashlin Mathew P M | Dept. of Statistics, St.Thomas College(Autonomus), Thrissur | National | 2 Days |

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

**DR. SAJESH T A**, BEST RESEARCH FACULTY

**SAJANA O K**, BEST RESEARCH STUDENT

**DEEPTHI K S**, BEST PAPER AWARD OF DEPT. OF STATISTICS, ST.THOMAS COLLEGE (AUTONOMOUS), THRISSUR,

Sreedevi E.P.- Best research paper presentation award in Mathematical Sciences at 33 KSC.

**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 2021 [Research]

(From January 01, 2021 onwards) Name of Research Centre : DEPARTMENT OF COMPUTER SCIENCE

Address : ST.THOMAS COLLEGE(AUTONOMOUS), THRISSUR

E-mail ID & Contact No. : [jijuamathew@gmail.com](mailto:jijuamathew@gmail.com), 9496128082

Part I \*

DETAILS OF RESEARCH SUPERVISORS

New Centre

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1 |  |  |  |  |

1. **Details of Publications during 2021** (**latest first**)
2. **Publications in International Journals during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  pages | Publisher, Date of Publication with  **doi** | Impact Factor, if  any |
| 1 | JIJU A MATHEW | Design of an Automatic Traffic Control System with Real Time Vehicle Density Analysis | ADBU - Journal of Engineering Technology, 10(1),  1-5 | 0100101027(5PP) |  |

1. **Publications in National Journals during 2021** (**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. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

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

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  |  |  |  |  |  |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

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

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

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

1. **Research Projects submitted during 2021** (**latest first**)

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

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | International/  National | Period |
|  |  |  |  |  |  |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

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

K. Special achievements/awards during 2021, if any

**Part II**

1. **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 | Seminar on Effective Governance, Leadership and Management for Quality Enhancement in Higher Education | Anil George K | College | National | 29-09-2021 |

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

**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 2021 [Research]

(From January 01, 2021 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](mailto:cvdavid4@gmail.com), 0487- 22420435, EXT- 1019

Part I \*

DETAILS OF RESEARCH SUPERVISORS

1. **Name & Designation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of Research  Supervisor | Designation | Research  domain | Subject (**if more**  **than 1, specify**) |
| 1.  2.  3.  4. | Dr. Francy K Kakkassery  Dr. C F Binoy  Dr. Joyce Jose  Dr. VIMALA K JOHN | Associate Professor & Head (Retired)  Assistant Professor (Scl.Gr.)  Assistant Professor (Grade II)  Assistant Professor | Entomology  Entomology  Wildlife and Forest Ecology  Zoology | Aquatic Biology  & Taxonomy of  Zooplankton  Forest Ecology  Herpetology, Ecology,  Applications of Biostatistics  Toxicology  Biochemistry  Physiology |

1. **Details of Publications during 2021** (**latest first**)
2. **Publications in International Journals during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) | Title | Journal & year, Volume,  pages | Publisher, Date of Publication with  **doi** | Impact Factor, if  any |
| 1.  2.  3.  4.  5. | Reject Paul M P & C F Binoy  Mary Anto, C F Binoy &Ignatius Antony  Neethu M. Unnikrishnan, Joyce Jose  and  Roby T. Jose  Nitha Bose C,Dr. C F Binoy & Dr. Francy K Kakkassery  AnuPriya KP, Owen Seeman, Joyce Jose | Life cycle and development rate of  *Hemipyrellia ligurriens (Wiedemann)* (Diptera: Calliphoridae) during monsoon season in south India : applications in estimation of postmortem interval.  Endemism –based butterfly conservation: insights from a study in Southern Western Ghats, India  New locality record of the slender day gecko *Cnemaspis gracilis* (Beddome, 1870) from Ernakulum district, Kerala, India (Reptilia: Gekkonidae) with behavioural observations  On the diversity and abundance of riparian odonate fauna (Insecta) of the midstream Chalakudy river, Kerala, India  SERENDIPITOUS DISCOVERY OF MITES IN THE EYE CAVITY OF ASOTA CARICAE FABRICIUS,1775(LEPIDOPTERA: EREBIDAE)" | *Journal of Vet.Anim.Sci 2021. 52(3), 292-297*  *The Journal of Basic and Applied Zoology*  (SPINGER)  B2:22  *Herpetology Notes*, 2021 (14): 823-826  Journal of Threatenedd taxa  2021  Vol. 13(8)  19053- 19059  *Journal of Natural Science Collections*  Accepted | Director of Academics and Research, Kerala Veterinary and Animal Sciences University.  30.09.2021  https://doi.org/10.51966/jvas.2021.52.3.292-297  SPINGER  17-05-2021  Societas Europaea Herpetologica, 31/05/2021  Zooreach  <https://doi.org/10.11609/jott.7328.13.8.19053-19059>  Natural Science Collections Association, London | 0.68 |

1. **Publications in National Journals during 2021** (**latest first**)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl. No | Author(s) in order | Title | Journal & year, Volume, pages | Publisher, Date of Publicantion,  (**doi**, if ay) | ISSN &  Indexed by | Impact Factor, if any |
| 1.  2.  3. | John Vimala K\* 1& E J Jithin 2  Reject Paul & C F Binoy  AU Usha, Joyce Jose, TJ Roby | Isolation of cellulose producing soil bacteria and its molecular identification by PCR  Vol. 19 (3): 714-732  Ultra structure of second instar larva of *Hemipyrellia ligurriens (Wiedemann)* (Diptera: Calliphoridae), a forensically importan blow fly species from India.  Distribution Mapping and Host Plant Preferences of The Bagworm *Eumeta crameri* Westwood 1854 from Kerala, India | Cell research  Vol. 19 (3): 714-732 (2021)  ENTOMON  *Journal of Bombay Natural History Society*  Volume  118  Pages  141-147 | February 2021  46(1), 47-52 https://doi.org/10.33307/entomon.v46i1.586  2021-03-31  BHNS  30/09/2021 | ISSN: 0935-0038  0377-9335  WoS  0006-6982  Scopus  And  Web of Science | 0.21 |

1. **Book(s) authored/Edited Volumes/Chapters during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Author(s) in  order | Title | Publisher,  Volume, pages | Date of  Publication | International/  National |
| 1. | Vimala K John1 and Akash Gautam2 | Mollusk | © Springer Nature Switzerland AG 2021  Jennifer Vonk  and  Todd Shackelford  Encyclopedia of Animal Cognition and Behavior  10.1007/978-3-319-47829-6\_1203-1 | April 2021 |  |

1. Average Impact Factor of publications from the centre
2. Patents (if any) (latest first)
   1. Granted
   2. Filed
3. **Details of PhD awarded during 2021** (**latest first**)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Subject | Date of  award |
|  |  |  |  |  |  |

1. **Details of PhD Registration for 2021 (New)** (**latest first**)

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

1. **Details of M.Phil. students for 2021 (latest first**)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.No | Candidate | Supervisor | Title | Date of award/ongoing |
|  |  |  |  |  |

1. **New Research Projects sanctioned during 2021** (**latest first**)

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

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

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

1. **Research Projects submitted during 2021** (**latest first**)

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

I. Details of Seminar/Workshops attended during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer &  venue | International/  National | Period |
|  | Vimala K John | 21SymBiot | Manipal university | International | 16/10/2021 |
|  | Vimala K John | RESEARCH FUNDING IN HIGHER EDUATION | PARMARSH –IQAC –LITTLE FLOWER COLLEGE GURUVAYOOR | NATIONAL | 22 /09/2021 |
|  | Vimala K John | Workshop on Research Methodology | Department of zoology  St. Joseph’s College (Autonomous), Irinjalakuda, Kerala | National | 16-17 September 2021 |
|  | Joyce Jose | National Moth Week | National Moth Week | International | 17-07-2021  Five days |
|  | Joyce Jose | 5 day Online Moodle Training Workshop- Advanced | IQAC | Intra-Collegiate | 12-07-2021- One week |
|  | Joyce Jose | One-day IQAC online symposium on NAAC Accreditation Process: Lesson from 4 recently accredited A++ c | Loyola College of Social Sciences, Thiruvananthapuram | National | 24-06-2021 |
|  | Joyce Jose | Research Consultancy and StartUps- How to go about it. | IQAC, Research Council and Startup and Innovation Cell | Intra-Collegiate | 16-06-2021 |
|  | Joyce Jose | Webinar on Biodiversity and Health | CISSA, IBC and University of Kerala | International | 22-05-2021 |
|  | C F Binoy | Seasonal studies on the developmental rate of blow fly, Chrysomya megacephala (Diptera: Calliphoridae) in carrion and its forensic application. | Trends in Forensic Sciences (TIFS), University of Windsor, Ontario, Canada | International | 30-04-2021 |
|  | Joyce Jose | &quot;WHAT NEXT? Insights into Future Prospects after Studies in Life Sciences&quot; | Department of Biosciences of Sree Sankara College | International | 02-03-2021 |
|  | Joyce Jose | Webinar on Intellectual Property Rights-Powerhouse for Economic growth | Dept of Computer Science, STC | International | 16-03-2021 |
|  | Joyce Jose | Radioisotopes and their medical applications | AERAK and Science Club STC | State | 20-02-2021 |
|  | C F Binoy | International conference on Environmental, Agricultural, Chemical and Biological Sciences | VOICE(Voice of Indian Concern for the Environment) | International | 24-01-2021 Three days |

J. Extension activities (Session chaired/invited lectures, services, etc.) of the Faculty during 2021 (latest first)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No | Name | Title of the event | Organizer & venue | International/  National | Date |
| 1. | Vimala K John | Nutrition deficiency in Children and Mothers ---Invited lecture | Desiya Poshan Masacharanam ---Govt High school Sreekaryam Thiruvananthapuram via online - Google Meet | National | 16/09/2021 |
| 2. | Vimala K John | Nutrition & Immunity ---Invited lecture | Amway India-via online -zoom | National | 04/09/2021 |
| 3. | Joyce Jose | Measuring Our Ecological Footprints | Bhoomithra Sena, SH College, Thrvara | Regional | 06-06-2021 |
| 4. | Joyce Jose | Measuring Our Ecological Footprints- Quo Vadis | Dept of Zoology, Mar Thoma College, Tiruvalla | Regional | 05-06-2021 |
| 5. | Joyce Jose | Measuring Ecological Footprints | Dept of Zoology, Nirmala College, Muvattupuzha | Regional | 05-06-2021 |
| 6. | Joyce Jose | A PRIMER ON BIODIVERSITY AND ECOLOGY OF FRESHWATER ECOSYSTEMS OF THE WESTERN GHATS-Myristica Swamps | Pune Knowledge Cluster and The Agharkar Research Institute, Pune | National | 24-04-2021 |
| 7. | Joyce Jose | Understanding Research: A Way of Life | Research Forum and IQAC, St. Thomas College Kozhencherry, Kerala | Regional | 17-03-2021 |
| 8. | Vimala K John | Healthy Eating -Invited lecture | Amway India-via online -zoom | National | 10/03/2021 |
| 9. | Joyce Jose | Understanding Internal Complaints Committee in Workplaces | ICC Sahradya College of Advanced Studies | Regional | 27-02-2021 |
| 10. | Joyce Jose | Amazing Snakes | Environment Club and Bhoomitra Sena of Fatima Mata National College, Kollam | Regional | 12-02-2021 |
| 11. | Joyce Jose | WETLAND, WATER AND LIFE | Dept of Zoology and Bhoomitra Sena, Govt Arts and Science College, Elanthoor | Regional | 02-02-2021 |

K. Special achievements/awards during 2021, if any

Dr. Joyce Jose

1. Completed Online Course on “Ecology: Ecosystem Dynamics and Conservation” conducted by American Museum of Natural History and Howard Hughes Medical Institute
2. Completed FDP offered by IIT Kanpur through NPTEL SWAYAM on Wildlife Ecology with 98% marks

**Part II**

1. **Details of Seminar/Workshops organized by the Centre (latest first)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| Sl.No | Title of the event | coordinator | Organizer/sponsor & venue | International/  National | Duration |
| 1 | Webinar –Challenges of Transgenic People | coordinator | Gender Champion Programme St Thomas’ College (Autonomous) Thrissur | National | 2 hrs ,07/08/2021 |
| 2 | Webinar – Gender Sensitization | coordinator | Gender Champion Programme St Thomas’ College (Autonomous) Thrissur | National | 2 hrs  14 /092021 |
|  |  |  |  |  |  |

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

**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*