

EDITOR'S DESK

The month of March has been recorded with the significant celebrations of College Day and Women's Day with all grandeur.

The retiring faculty members are gratefully acknowledged for their commendable service. May the Gracious Lord bless them abundantly.

The month of April is to bid Adieu to the Alma matter and to prepare for the examinations.

Wake of May marks a new way towards opportunities and victory.

May the students march towards new progression and achievements!

CHIEF EDITOR

Rev. Sr. Dr. S. Jesurani

EDITORIAL TEAM

Dr. A. Clara Dhanemozhi

Ms. G. Petricia Alphin Nirmala

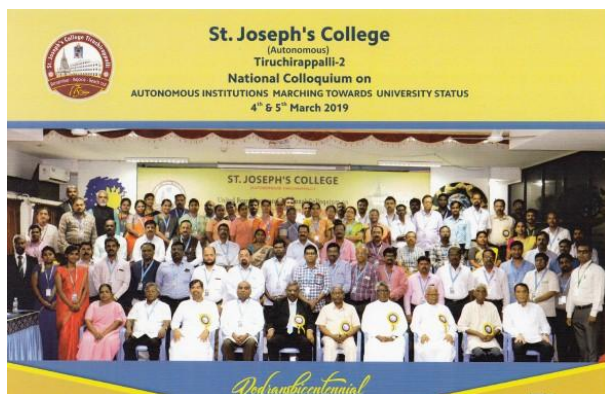
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CAMPUS HIGHLIGHTS

Φ Dr. Sr. S. Jesurani, Principal, Dr. Sr. B. J. Queensly Jeyanthi, Secretary & Dr. A. Clara Dhanemozhi, IQAC Co-ordinator, attended the National Colloquium on Autonomous Institution Marching towards University Status at St. Joseph's College, Tiruchirappalli on 4th & 5th March, 2019.



Φ 100 Bedded Sports Hostel funded by UGC was opened by Our Provincial Rev. Mother. Maria Antony, on 6th March, 2019.

ACTIVITIES OF THE COLLEGE UNION

Φ 48th College Day was held on 18th March, 2019. Rev. Fr. David Arockiam, Founder and CEO, Matha T.V, Chennai, celebrated the Eucharistic mass. Rev. Dr. M. Arockia Samy, Principal, St. Joseph's College, Trichy delivered the college day address and distributed medals and prizes to the academic achievers.



Φ In order to create awareness among the new and young voters, essay and drawing completions were conducted emphasizing the significance of vote and voters on 29th March, 2019. 19 students participated in the competitions and it was recorded by the Revenue Inspector of Periyakulam.

Φ The valediction of college union and its various associations, clubs and cells was held on 3rd April, 2019. Dr. Mrs. G. Michale Rosario, Head & Associate Professor

of Mathematics, delivered the valedictory address and distributed the certificates for the winners.

Φ **Candle Lighting Ceremony** was held on 4th April, 2019. Rev. Fr. Antony Raj, Parish Priest, Muthupettai, addressed the final year UG, PG and M.Phil Scholars and blessed them.

Conferences Organized

Φ Department of Tamil, Computer Science and Commerce with Computer Applications, organized a one day International workshop on **The Role of Computer Technology in Tamil Language Development** in collaboration with Tamil Unlimited (United States of America) on 4th March, 2019.



Intercollegiate Meet

Φ Department of Computer Science organized **JACADAS FEST** on 2nd March, 2019. Sr. R. Shantha Mary Joshitta, Assistant Professor of Computer Science, delivered the valedictory address and distributed the prizes.



Courses Completed

Φ Mrs. Angeline Sorna, Assistant Professor of English, successfully completed an online course titled **Introduction to Literary Theory** authorized by Swayam and NPTEL conducted from August to September, 2018.

Φ Mrs. P. K. Santhi, Assistant Professor of Mathematics, and Dr. A. D. Padmasree, Assistant Professor of History, has successfully completed Unit –I Training in

Counselling and Psychotherapy at Anugraha Capuchin Institute of Counselling, Psychotherapy and Research, Dindigul from 29th April to 25th May, 2019.

Awards Received

- Φ Dr. Sr. S. Jesurani, Principal, received 1) **Bharat Ratna Indira Gandhi Gold Medal Award** by Global Economic Progress & Research Association at Bengaluru on 9th March, 2019 and



- 2) **National Educational Leadership Award** by Economic Growth Society of India on 4th April, 2019.

- Φ Dr. Sr. B. J. Queensly Jeyanthi, Secretary, received **Bharat Ratna Mother Teresa Gold Medal Award - 2019** by All India Achievers & Research Academy at New Delhi on 30th March, 2019.

- Φ Mrs. P. K. Santhi, Assistant Professor of Mathematics, received **Outstanding Woman in Science for the contribution and achievement in the field of Mathematics** award by Centre for Advanced and Design of Venus International Foundation, Chennai on 2nd March, 2019.



- Φ Dr. S. Padmini, Assistant Professor of Tamil, received **Young Woman Educator & Scholar Award** by National Foundation for Entrepreneurship Development (NFED) on 8th March, 2019.

- Φ Dr. J. Mary Suganthi Bai, Associate Professor of Commerce, received **National Educational Leadership Award** from Economic Growth Society of India on 4th April, 2019.

Ph.D Completed

The following staff completed their Ph.D Viva-Voce:

- Φ Dr. B. Amala Jasmine, Assistant Professor of Mathematics, on **Analysis of Two Echelon Markovian Inventory System with Lost Sale and Partial Backlogging** on 11th March, 2019 at C.P.A College, Bodinayakanur.

- Φ Dr. K. Southamani, (Reg. No. PHDCHE13094), Former HOD of Chemistry, Jayaraj Annapackiam College for Women, Periyakulam, on **Synthesis and Studies on Metal Complexes of Heterocyclic Ligands and other Biologically Active Complexes** at Mother Teresa Women's University, Kodaikanal on 28th March, 2019.

- Φ Dr. K. Jennifer, Assistant Professor of History, on **History of Agasteeswaram Taluk as Gleaned from Inscriptions** on 3rd May, 2019 at Manonmaniam Sundernar University, Tirunelveli.

Books Published

- Φ Dr. I. Maria Jesili, Associate Professor of Commerce, published a book titled **Aptitude Building**, March, 2019.

- Φ Dr. Sr. L. Sagaya Lily, Dr. G. Francis Catherin and Dr. S. Rejina, Assistant Professors of Tamil, published a book titled பெண்ணே! நீ நினைத்தால், with ISBN No: 978-81-923121-7-0, March, 2019.

SET/NET Examinations

- Φ Mrs. N. Akila, Mathematics (Reg No: 2702023) has qualified the Tamil Nadu State Eligibility Test (TNSSET) for Assistant Professor held on 21st February, 2016 in Mathematical Sciences conducted by Mother Teresa Women's University, Kodaikanal, Tamil Nadu.

- Φ and (Roll No: 422233) qualified Lectureship (NET) conducted by CSIR Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship held on 19th June, 2016 with secured 076/0545 rank in the subject Mathematical Sciences.

- Φ K. Mohana Aishwarya, III B.A. English S.F. (2016 - 2017) cleared NET exam on December, 2018.

RESEARCH ACTIVITIES

Research Publications in Journals

UGC Journals

The following staff members published papers:

Department of Tamil

- Φ The following staff members published papers in the Shanlax International Journals, ISSN: 2454-3993, March 2019, Journal No. 40729, Impact Factor 3.085, Vol 2;
- Dr. S. Little Flower, Assistant Professor, on பெண்கதைமாந்தர்களின் பின்புல வாழ்வியல் - போராட்டம், pp.114;
 - Dr. D. Raja seeli, Assistant Professor, on திருக்காவலூர் கலம்பகத்தில் மரியன்னையின் பண்புகள், pp.108;
 - Dr. K. Sakaya Gracy, Assistant Professor, on குறுந்தொகை காட்டும் சமுதாயம், pp.112;
 - Dr. S.Janci Rani, Assistant Professor, on நாலடியாரில் செல்வம் நிலையாமை, pp. 116;
 - Dr. S. Padmini, Assistant Professor, on புறநானூற்றில் அறநெறிகள், pp.88; and on சங்க இலக்கியத்தில் விருந்தோம்பல், pp.88.

Department of English

- Φ Mrs. B. Mary Suba, Assistant Professor, on **A Challenge to Change: Delight in Dalit Redumption from Sin in Bama's Writings** in the Online International Interdisciplinary Research Journal, ISSN: 2249-9598, Journal No. 46964, Special Issue (03), March 2019, Vol 09, pp. 327 - 331. Impact Factor - 5.818.

Department of History

- Φ Dr. M. Anusha Angel, Assistant Professor, on **The Gupta Art** and
- Φ Dr. T. Girija Bai, Assistant Professor, on **Mental Health and Education** in the International Journal of Basic and Applied Research, ISSN: 22493352, Vol IX, No.III, Impact Factor: 5.86, UGC No: 64041, March 2019.

Department of Mathematics

- Φ Dr. S. Athisaya Ponmani Associate Professor, on **Application of Soft Sets in Rough Topology** in the Journal of Applied Science and Computations (JASC), ISSN: 1076-5131, Impact Factor:5.8, pp. 969-975, UGC

Approved (41238), Vol VI, Issue III, March 2019.

Department of Physics

- Φ Dr. A. Jegatha Christy, Assistant Professor, on **Physical properties evaluation of nebulized spray pyrolysis prepared Nd doped ZnO thin fi for opto-electronic applications** Journal of Materials Science: Materials in Electronics, Springer, <https://doi.org/10.1007/s10854-019-01039-z>.
- Φ Dr. M. Arulmozhi, Associate Professor of Physics, on **Polarizability of Exciton in Surface Quantum Well** in Journal of Physical Science, Vol 30, Issue 1, pp 33-45, 2019.
- Φ Dr. A. Clara Dhanemozhi, Associate Professor, on **Fabrication of Study of Dye Sensitized Solar Cell Using Perilla Frutescens Extract** in the Indian Journal of Applied Research, ISSN: 2249-555X, Vol 9, Issue 5, May 2019, Impact Factor: 5.397, Journal No. 49333, pp.6-7.

Other Journals

Department of Tamil

- Φ The following staff members published papers in the JAC JOSHAM, ISSN : 2347 - 9868, June 2018;
- Dr. S. Rejina, Assistant Professor, on கவிஞர் வைரமுத்து கவிதைகளில் பெண்ணியம்;
 - Dr. S. Jansi Rani, Assistant Professor, on சிலப்பதிகாரத்தில் உளவியல்;
 - Dr. A. Jancy Mary, Assistant Professor, on நாலடியாரில் நிலையாமை.

Department of English

- Φ Mrs. B. Mary Suba , Assistant Professor of English, on **Spiritual Quest in Paulo Coelho's The Fifth Mountain and The Alchemist** in Journal of Emerging Technologies and Innovative Research, April 2019, ISSN: 2349-5162, Volume II, pp. 421 - 423.

Department of Mathematics

- Φ Mrs. K. Renuga Devi, Mrs. D. Abinaya and Mrs. B. Amala Jasmine, Assistant Professors of Mathematics, on **The Role of Mathematics in Computer Science College Education** in the International Journal of Contemporary Research in Computer Science and Technology (IJCRST), ISSN: 2395-5325, Impact

Factor:4.5, pp. 7-10, Vol 5, Issue 1, March 2019.

- Φ Mrs. B. Amala Jasmine, Assistant Professor, on **Analysis of Two Echelon perishable Inventory System Chain with Partial Backlogging** in the International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), ISSN: 2319-1953, Vol 8, Issue 1, January 2019.

Department of Physics

- Φ Dr. A. Clara Dhanemozhi, Associate Professor, published the following papers in the Elsevier's Journal Materials Today : Proceedings (2019). The papers are indexed by Scopus and is available in the website Scienedirect.com;

- **Fabrication of Dye Sensitized solar cells by the Plasmonic Effect of Silver Nanoparticles and Basella Alba Dye**, Materials Today: Proceedings, Vol 8, pp. 357-361, 2019;
- **Study of Dye Sensitized Solar Cell using Mirabilis Jalapa Flower Extract**, Materials Today: Proceedings, Vol 8, pp. 271-278, 2019.

Department of Chemistry

- Sr. T. Johny Dathees and Sr. S. Sahaya Leenus Assistant Professors, published the following papers titled
- **Photodegradation of Methylene Blue in the presence of Solar light using CdO Nanocatalyst**, pp 364-413 and
- **Green Synthesis of Silver Nanoparticles and their Antimicrobial activity** in the Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, March 2019, Vol.6 (3), pp 328-363.

Department of Zoology

- Φ Dr. L. Merlin Dayana, Assistant Professor, on **Richness, Diversity and population dynamics of insects Associated with sugarcane field at Chinnamanur Theni District, Tamilnadu** in the Journal of Emerging Technologies and Innovative Research (JETIR) ISSN: 2349-5162, Vol 6, Issue 3, pp.333-342, March 2019.

Department of Computer Science

- Φ Mrs. K. Rani, Assistant Professor, on **Mobile Game Addiction among Childrens** in the International Journal of Contemporary Research in Computer Science and Technology (IJCRCSST), E ISSN: 2395-5325, Vol 5,

Issue 1, March 2019, pp. 1-6.

Department of Commerce

- Φ Dr. Sr. B. J. Queensly Jeyanthi. Associate Professor, on **Co-Integration among Indian Emerging and developed stock markets: Impact of Emerging and developed stock markets on Indian stock markets** in the International Journal of Research in Social Sciences, ISSN: 2249-2496, IF 7.081, Vol 9, Issue 4, April 2019.

- Φ Dr. I. Maria Jesili, Associate Professor, on **Factor Influencing Work Interference with Family on Women Nurses Working in Theni District** in the International Journal of Research and Analytical Reviews, ISSN: 2348 -1269, P-ISSN 2349 – 5138, Vol 6, Issue 1, February 2019, Regn ID; Impact Factor 5.75.

- Φ Dr. Sr. B. J. Queensly Jeyanthi, Secretary & Associate Professor, published a paper on **Comparative Analysis of Volatility of Indian Stock Market with Emerging and Developed Stock Markets** in the International Journal of Management, IT & Engineering, ISSN: 2249-0558, Vol 9, Issue 2(1), Feb 2019, Impact Factor 7.119, pp. 39-49.

- Dr. Sr. B. J. Queensly Jeyanthi, Secretary & Associate Professor of Commerce, contributed paper for the book Fathomless Ocean, on **Voice of Women in Indian English Literature**, February 2019, ISBN: 978-93-86712-61-5.

- Mrs. K. Ponmalar, Assistant Professor, on **Growth Perspective of Sugarcane – A Study** in the International Journal of Applied Business & Economic Research, ISSN: 0972-7302, Vol 17, November 1, 2019.

Research Publications in Proceedings

Department of Mathematics

- Φ Dr. Sr. P. Helen Chandra, Associate Professor of Mathematics and Dr. S. M. Saroja Theerdus Kalavathy, Associate Professor of Mathematics, published a paper on **Stoichio Simulations of FACSP From Graph Transformations to Differential Equations** in the Part of the Springer Proceedings in Mathematics & Statistics book Series, (Volume 253) ISSN:2194-1009, ISBN: 978-981-13-2094-1, pp. 387-398. (Springer Link).

- Φ The following staff members published papers in the proceedings in the National Conference on “Dynamical systems and its Applications” (NCDSA '19) – Conference

Proceedings, ISBN: 9788193993644 at PSG College of Arts & Science, Coimbatore, on March, 2019.

- Dr. Sr. P. Helen Chandra, Associate Professor of Mathematics, on (i) **Iso Triangular Tile Shape Grammar System**, pp.102-112 and
- (ii) **Array Rewriting Shape Grammar with P System**, pp. 123-132
- Dr. S. M. Saroja Theerdus Kalavathy, Associate Professor of Mathematics, on (i) **Permitting Features in Parallel Cooperating Distributed Array Grammar System**, pp. 92-101 and
- (ii) **Trajectory Array P System with t-Mode of Communication**, pp.113-122.

Department of History

- Φ Dr. Delphine Prema Dhanaseeli, Associate Professor of History, has published an article on **Meritorious services rendered by M. Karunanidhi Towards Health Development in Tamil Nadu**, in the Proceedings, of State, Society and Culture of Tamilnadu at Arulmigu Palaniandavar Arts College for Women, Palani, March 2019, ISBN: 978- 93-88398-78-7, pp. 139 -143.
- Dr. A. D. Padmasree, Assistant Professor of History, on **Battle of Colachal – A Decisive Victory of Travancore** in the ICHR sponsored National Seminar on “Military History of Tamil Country Through the Ages” at Mannar Thirumalai Naickar College, Madurai, on 21st March, 2019, ISBN: 978-93-88398-74-9, pp.187 – 189.
- Dr. M. Anusha Angel, Assistant Professor of History, on **Archaeological Sites Excavated in Tamil Nadu – A Study** and
- K. Jennifer, Assistant Professor of History, on **Archaeological Exploration in Amaravathi River Valley** in the International Conference on “Archaeology and its values in History” on 22nd & 23rd March, 2019 at Scott Christian College, Nagercoil and the article was published in the book on “Archaeology and its values in History” ISBN: 978-93-84734-72-5, March, 2019.
- Mrs. S. Sahayamary, Assistant Professor of History, on **The Role NESAM NGO for Empowerment of Women in Theni District** in the one day National Level Seminar on “State, Society and Culture of Tamilnadu” at Arulmigu Palani Andavar Arts College for Women, Palani, on 25th March, 2019, Published in Proceedings,

ISBN: 978- 93-88398-78-7, pp.218-221.

- Dr. Charlet Sharmili, Assistant Professor of History, on **Careers in Tourism** in the one day National Level Seminar on “State,Society and Culture of Tamilnadu” at Arulmigu Palaniandavar Arts College for Women, Palani, on 25th March, 2019, Published in Proceedings, ISBN: 978- 93-88398-78-7, pp.211-214.

Department of Physics & Chemistry

- Dr. A. Jacqueline Regina Mary, Associate Professor of Physics, on **Fabrication of n-ZnO/p-CuO heterojunction thin film solar cell by spray deposition**
- Dr. A. Clara Dhanemozhi, Associate Professor of Physics and M.V. Joancily Prema, Assistant Professor of Physics, on **Efficiency of Solar Cells with the plasmonic effect of silver nanoparticles and Basella Alba Dye Extract** and
- Dr. C. Mary Anbarasi, Associate Professor of Chemistry, published a paper titled **Electrochemical and Surface Analysis studies on Corrosion Inhibition of Aluminium by an Eco- friendly Inhibitor in Alkaline Medium** in the Proceedings of the International Conference on Innovative Applied Energy IAPE’19, Oxford, United Kingdom. ISBN: 978-1-912532-05-6.

Research Presentation Abroad

- Φ The following staff members presented their research work in the International Conference on **Innovative Applied Energy** at Oxford City, United Kingdom from 14th to 15th March, 2019.



- Dr. A. Jacqueline Regina Mary, Associate Professor of Physics, on **Fabrication of n-ZnO/p-CuO heterojunction thin film solar cell by spray deposition**
- Dr. A. Clara Dhanemozhi, Associate Professor of Physics and M.V. Joancily Prema, Assistant Professor of Physics, on **Efficiency of Solar Cells with the**

plasmonic effect of silver nanoparticles and Basella Alba Dye Extract.

- Dr. C. Mary Anbarasi, Associate Professor of Chemistry, on **Electro chemical and surface analysis studies of corrosion inhibition of aluminium by an eco-friendly corrosion inhibitor.**

Research Presentations

The following staff members presented papers in the conferences

- Φ Dr. A. D. Padmasree, Assistant Professor of History, presented a paper on **Battle of Colachal – A Decisive Victory of Travancore** in the ICHR sponsored National Seminar on “Military History of Tamil Country Through the Ages” at Mannar Thirumalai Naickar College, Madurai, on 21st March, 2019.
- Φ Dr. M. Anusha Angel, Assistant Professor of History, has attended and presented a paper on **Archaeological Sites Excavated in Tamil Nadu – A Study** and
 - K. Jennifer, Assistant Professor of History, on **Archaeological Exploration in Amaravathi River Valley** in the International Conference on “Archaeology and its values in History” on 22nd & 23rd March, 2019 at Scott Christian College, Nagercoil.
- Φ Mrs. S. Sahayamary, Assistant Professor of History, presented a paper on **The Role NESAM NGO for Empowerment of Women in Theni District** and
 - Dr. Charlet Sharmili, Assistant Professor of History, on **Careers in Tourism** in the one day National Level Seminar on “State, Society and Culture of Tamilnadu” at Arulmigu Palani Andavar Arts College for Women, Palani, on 25th March, 2019.
- Φ Sr. S. Jothi, Assistant Professor of Computer Science, on **A Review Paper on Diagnosing Early Stage of Parkinson’s Disease Using Image Processing Techniques** in the Fifth International Conference on “Biosignals, Images, and Instrumentations” organized by the Department of Biomedical Engineering, SSN College of Engineering, Kalavakam, Chennai on 14th & 15th March, 2019.
- Φ Dr. I. Maria Jesili, Associate Professor, on **Factor Influencing Work Interference with Family on Women Nurses Working in Theni District** in the National Seminar on Trends and Opportunities in Banking,

Commerce, Economics and Management at Hajee Karutha Rowther Howdia College, Uthamapalayam on 28th February, 2019.

- Φ Mrs. M. Vimala Joice, Assistant Professor of Chemistry, on **Synthesis, Characterization and biological applications of Curcumin-Lysine based Schiff base ligand** in the International Conference on Advances in Sustainability of Materials and Environment at St. Xavier’s Catholic College of Engineering, Nagercoil, from 4th to 5th April, 2019.
- Φ Mrs. Angeline Sorna, Assistant Professor of English, presented a paper on **Tara Westover’s Educated** in the National Seminar on “Books and Reading” at University of Madras, Chennai on 23rd April, 2019.

Research Participation

The following staff members participated in the conferences

- Φ Mrs. P. K. Santhi, Assistant Professor of Mathematics, in the 4th Annual Women’s Meet - AWM 2019 Code: AW19EN04SN-016, Agenda: To promote women in leadership and advancement for women in the profession & Women Awards Ceremony - VIWA 2019 organized by the Centre for Advanced and Design of Venus International Foundation at Radha Regent, Chennai on 2nd March, 2019.
- Φ Dr. V. Jemima Florance Borgia, Assistant Professor and Dr. Sr. Irudaya Lourdu Gladis, Assistant Professor attended the **Hands on training in PCR techniques** at G.T.N College of Arts and Science, Dindigul on 5th March, 2019.
- Φ Mrs. M. K. Sheela, Junior Assistant (SG), participated in the Training Programme on **EAT Module of Public Management System (PFMS) for HEI’s** organised by University Grants Commission, South Eastern Regional Office, Hyderabad at Loyola College (Autonomous), Chennai on 10th March, 2019.
- Φ Mrs. V. Annalakshmi, Mrs. B. Fatima Josephine Prasanna, Ms. V. Selvakani Assistant Professor of Computer Science, attended “Hand-on workshop on Machine Learning algorithms for IoT Applications” organized by MEPCO Engineering College, Sivakasi from 6th to 8th May, 2019.
- Φ Dr. M. Arulmozhi, Associate Professor of Physics,

participated in the International Workshop on **Advanced Practices in Research Methodology Thailand 2019** at DVaree Jomtien Conference Centre, Chon Buri, Thailand, on 29th & 30th May, 2019.



Φ Dr. I. Geetha Antoinette, Associate Professor of Mathematics and Dr. S. Velaganni, Assistant Professor of Economics, participated in the Training Programme on **Training of Teachers (TOT) for Student Induction Programme (SIP)** organised by University Grants Commission, South Eastern Regional Office, Hyderabad from 16th to 18th May, 2019 at International Institute of Information Technology, Gachibowli, Hyderabad.

BoS/Subject Expert/Examiner

Φ Dr. A. Jegatha Christy served as the Board of Studies Member for the Annual Upgradation of Syllabus for the Department of Physics, Fatima College, Madurai on 3rd March, 2019.

Φ Dr. C. Mary Anbarasi, Associate Professor of Chemistry, attended the BOS Meeting as Subject Expert of UG Chemistry, held at G.T.N. Arts College, Dindigul on 7th March, 2019.

Φ Dr. Delphine Prema Dhanaseeli, Associate Professor of History, attended the Annual Upgradation of Syllabus (Board of Studies) on 2nd March, 2019 in the Department of History, Fatima College (Autonomous), Madurai.

Φ Dr. R. Mary Mathelane, Associate Professor of Physics for PG Physics and Dr. M. Arulmozhi, Associate Professor of Physics for UG Physics, served as the subject Expert for the Board of Studies for Physics on 23rd April, 2019 at V. V. Vanniaperumal College for Women (Autonomous), Virudhunagar.

Φ Dr. A. Jasintha Vilveena, Associate Professor of History, attended the Tamil Nadu Public Service Commission confidential work at the Commission's Office, Chennai from 30th to 31st May, 2019.

Φ Dr. A. Jacqueline Regina Mary, Associate Professor of Physics, reviewed a research Article for Materials Today: Proceedings on 20th May, 2019.

Research Guideship/ Guidance

Φ Ms. S. Meena, (Reg No. PHDCHE19P596) provisionally registered for Ph.D Degree in Chemistry as a Part Time Research Scholar on the topic **Eco Friendly Corrosion Inhibitor for Carbon Steel in Acid Media** at Mother Teresa Women's University, Kodaikanal under the Guideship of Dr. C. Mary Anbarasi, Associate Professor of Chemistry, from 30th April, 2019.

RESOURCE SHARING

Resource Person: (Off Campus)

The following staff members served as resource persons at various institutions.

Φ Dr. Sr. S. Iruthaya Kalai Selvam, Assistant Professor of Zoology, delivered a lecture on **Bio Control** at Mary Matha College of Arts and Science, Periyakulam on 5th March, 2019.

Φ Dr. M. Kalanithi, Associate Professor of Chemistry, delivered a technical lecture in the one day State Level Seminar on **Recent Trends in Materials** on 6th March, 2019 organized by the Department of Physics, Mary Matha College of Arts and Science, Periyakulam.

Φ Dr. K. Sakaya Gracy, Assistant Professor of Tamil, served as a resource person on the topic இலக்கியங்களில் சமூகப் பார்வை, in the International Conference on Panmuga Nokkil Ilakkana Ilakkiyagal on 29th March, 2019 at St.Antony's College, Dindigul.

Φ Dr. M. Arulmozhi, Associate Professor of Physics, delivered a talk in the International Conference on Advances in Physical Sciences Thailand 2019 on **Dynamics of Donors and Excitons in Low Dimensional Systems** at Asian Institute of Technology Conference Center, Bangkok, Thailand on 27th & 28th May, 2019.

Resource Person: (Campus)

Φ Mrs. J. Jasmine Selvapackiam, Assistant Professor of Business Administration, delivered a talk on **Misleading Advertisement and Food Adulteration** under the Consumer Club on 15th March, 2019.

DEPARTMENTAL ACTIVITIES

Study Circle

The following topics were discussed in the study circle:

Department of English

Φ **The Binary Opposition in Toni Morrison's Sula** by Mrs. A. Greeni, Assistant Professor, on 29th March, 2019.

Φ **The Minister's Black Veil: A Critical Study** by Mrs. P. Selvarani, Assistant Professor, on 29th March, 2019.



Department of Chemistry

Φ **Self-assemble Monolayers and their applications** by Dr. C. Mary Anbarasi, Associate Professor, on 26th March, 2019.

Φ **Synthesis, Characterisation and biological applications of Schiff based Ligand** by Mrs. M. Vimala Joice, Assistant Professor, on 26th March, 2019.

Department of Commerce

Φ **Corporate Governance - a new era in the corporate world** by Dr. N. M. Francis Mercy, Assistant Professor on 5th March, 2019.

Φ **Green Banking Initiatives** by R. Selvanatchiyar, Assistant Professor, on 10th March, 2019.

Φ **Cost Audit in Management Accounting** by Mrs. K. Ponmalar, Assistant Professor, on 30th March, 2019.

Φ **Technological forces that compete Financial Services Industry** by Ms. Selvanachiyar, Assistant Professor, on 3rd April, 2019.

Guest Lectures

Department of Physics

Φ Science Day was celebrated on 6th March, 2019. Dr. N. Prithvi Kumaran, Dean Research, Head and Associate Professor, V.H.N.S.N. College, Virudhunagar was the resource person and delivered a lecture on **Physics Wheel to CERN**.

Φ Spectra - a Physics Magazine was released.



Department of English

Φ Dr. A. Roselin Mary, Head and Associate Professor of English, Fatima College, Madurai delivered a Guest lecture on **Shoreline Daughters of India and America** on 15th March, 2019.

Industrial Visit

Φ 37 II M.Sc. and I M.Sc. Chemistry students visited Rajshree Sugars and Chemicals, Ltd, Vaigai Pudur, Periyakulam on 7th March, 2019. Dr. M. Kalanithi, Associate Professor of Chemistry, accompanied the students.

Study Tour

Φ 27 II B.Sc. Zoology (S.F) & 21 II B.A. English (R) students attended the EVS training at the Anglade Institute of Natural History, Kodaikanal from 28th to 2nd March, 2019.

Prayer Meetings

Prayer Meeting was conducted by the

- Department of Tamil on 22nd March, 2019.
- Department of Physics on 5th April, 2019.
- Department of Chemistry on 19th March, 2019.
- Department of Business Administration on 5th April, 2019.
- Department of Commerce with CA on 5th April, 2019.

Association Meetings

- Thanks giving Eucharistic Mass was offered for the retiring staff member Dr. Sr. L. Sagaya Lily, Associate



Professor of Tamil, on 21st March, 2019 and farewell function was organized on the same day.

Department of English

Φ Felicitation was given to Dr. Gomez Sophia, Head & Associate Professor, Department of English on 25th March, 2019.



Department of Physics

- Quiz test was conducted on 25th Feb 2019. A. Mowbiha II B.Sc (S.F) won **I Prize**.
- In connections with Science Day Celebrations competitions were conducted on 6th March, 2019. The following students bagged the prizes.

Paper Presentation

- V. Sandhiya, II B.Sc. Physics (R) - **I Prize**
- Padma Priya, I B.Sc. Physics (R) - **II Prize**

Poster Presentation

- S. Mohana Preetha, I B.Sc. Physics (R) - **I Prize**
- R. Reena, III B.Sc. Physics (R) - **II Prize**

Quiz

- R. Punitha Vathi and K. Aswathy, I M.Sc. Physics - **I Prize**
- M. Jeyapriya and R. Priyadarshini, III B.Sc. Physics (S.F) - **II Prize**

Connection

- S. Irfana Fathima and M. Sowtharya, III B.Sc. Physics (R) - **I Prize**
- M. Sindhuja and L. Lavanya, II B.Sc. Physics (R) - **II Prize**

Rangoli

- R. Yogapriya and K. Meenakshi, III B.Sc. Physics (S.F) - **I Prize**
- S. Yogeswari, V. Dhanavarsini, I B.Sc. Physics (R) - **II Prize**

Model Display

- M. Swetha and G. Pradeepa, III B.Sc. Physics (R) - **I Prize**
- R. Kasthuri and V. Nivetha, I M.Sc. Physics - **II Prize**

Treasure Hunt

- J. Naganandhini I M.Sc. Physics - **I Prize**
- K.P. Renugha, I M.Sc. Physics - **II Prize**

Ad Act

- A. B. Shanmugapriya, P. Janaranjani, V. Dhivya Dharshini, C. Devashri, M. Naganandhini & G. Pavithra, II B.Sc. Physics (R) - **I Prize**
- M. Dharani, M. Gowrisneha, M. Pavithra, J. Bavadharani, M. Aishwarya, R. Kavya and M. Angaleeswari, I B.Sc. Physics (S.F) - **II Prize**

Department of Mathematics

- Thanks giving Eucharistic Mass was offered for the retiring staff members Dr. G. Micheal Rosario, Head, Dr. Sr. P. Helen Chandra and Dr. S. M. Saroja Theerdsu Kalavathy, Associate Professors of Mathematics, on 23rd March, 2019 and farewell function was organized on the same day.



Department of Commerce

- Business Quiz was conducted on 1st March, 2019 and the following students won prizes.
- V. Nagadharshini & M. Pandimeena, II B.Com. - **I Prize**
- G. Ramasri & S. Keerthika, III B.Com. - **II Prize**
- Skill Training Programme was conducted on 23rd March, 2019. Dr. K. Murugesan, Technical Officer, Mr. E. George Muller, Food Chemical Technician and 2 Assistants from Gandhigram Rural Institute, Deemed to be University, Gandhigram were the resource persons. 50 students from I, II U.G and I PG attended and benefitted.
- To honour the retiring staff Dr. I. Maria Jesili, Former Head, and Associate Professor of Commerce, Eucharistic Celebration was held on 19th March, 2019. The staff and students of Commerce gave a grand farewell to Dr. I. Maria Jesili to commemorate the fruitful service of 35 years of teaching.



- **COM-FEST 2k19** was conducted on 7th March, 2019 and the following students won prizes.

Art from Waste

- K. Vishali, III B.Com - **I Prize**
- P. Nithyasri, I B.Com - **II Prize**

Collage

- S. Sofia, III B.Com - **I Prize**
- A. Nithya, II M.Com - **II Prize**
- M. Sujitha, II B.Com - **II Prize**

Rangoli

- M. Vaneeswari, I B.Com - **I Prize**
- S. Alagu meena, I B.Com - **II Prize**

Mehandi

- N. Kohila Natchiyar, III B.Com - **I Prize**
- K. Abinaya, I B.Com - **II Prize**

Pencil Drawing

- K. Barani, II B.Com - **I Prize**
- K. Abinaya, I B.Com - **II Prize**

Slogan Writing

- G. Ramasri, III B.Com - **I Prize**
- A. Kishor Fathima, II B.Com - **II Prize**

Art of Accessories

- B. Deepika, I B.Com - **I Prize**

Out door Events

Dum Charade

- M. Vasundara & M. Vishali Sabarai, II B.Com - **I Prize**
- R. Keerthana & V. Durga devi, II B.Com - **II Prize**
- P. Preethi & N. Gowri Priyanga, I M.Com - **II Prize**

As you like it

- R. Chitra Devi, K. Pandimeena, M. Sujitha, D. Rajeshwari & P. Dayana, II B.Com - **I Prize**
- Sr. A. Gnana Sharmila, G. Veeralakshmi, T. Jenisha, R. Menaka & M. Sathiya I M.Com - **II Prize**

Face Painting

- K. Barani, II B.Com - **I Prize**
- R. Priya, I M.Com - **II Prize**

Best Manager

- G. Rama Sri, III B.Com - **I Prize**
- V. Durga Devi, II B.Com - **II Prize**

Ad Zap

- A. Arul Mozhi, C. Nandhini, M. Kokila Veni, N. Saranya & J. Pandiselvi, II M.Com - **I Prize**
- P. Angaleswari, K. Pandimeena, M. Chitra Devi, M. Vasundra & R. Keerthana, II B.Com - **II Prize**

Department of Computer Science

Φ In connection with **JACADAS FEST** on 2nd March, 2019, the following competitions were conducted and the prize winners are:

Animation using Flash Lab

- S. Karunya Mercy, I B.Sc. CS - **I Prize**
- P. Suja, I B.Sc. CS - **II Prize**

S/W Development- Java Programming Lab

- K. Nagapandiyammal, II B.Sc. CS - **I Prize**
- T. Logeshwari, II B.Sc. CS - **II Prize**

Computer Graphics Lab

- U. Pavithra, III B.Sc. CS - **I Prize**
- B. Nathiya, III B.Sc. CS - **II Prize**

Web Development Lab

- T. Priyatharshini, I M.Sc. (CS & IT) - **I Prize**
- G.R. Kavya, I M.Sc. (CS & IT) - **II Prize**

Who am I? (Dumb Charade)

- M. Radha, A. Anushiya Easter Rani, V. Devieswari & R. Vishvapriya, II M.Sc. (CS & IT) – **I Prize**

Technical & Non Technical

- M. Dhanalakshmi & T. Logeshwari, II M.Sc. (CS & IT) – **I Prize**

Software Marketing

- T. Sivasangari, C. Pavithra, III B.Sc. CS, M. Kavya, P. Swetha & L.Astalakshmi, I B.Sc. CS - **I Prize**
- G. R. Kavya, I M.Sc. (CS & IT), R. Ramya, S. Reethu, B. Nathiya, III B.Sc. CS, A.Venkateshwari, I B.Sc. CS - **II Prize**

Art from E-Waste

- T. Priyatharshini, I M.Sc. (CS & IT), T. Logeshwari, II B.Sc. CS - **I Prize**
- K. Pavithra, I M.Sc. (CS & IT), R. Gayathri, III B.Sc. CS - **II Prize**

IT Collage

- R. Vijayalakshmi, T. Akalya, II B.Sc. CS - **I Prize**
- R. Meenakshi, M.Manjubhashini, II B.Sc. CS - **II Prize**

Color Art

- Selvalakshmi & Akalya, II B.Sc. CS - **I Prize**
- Manikavasaki & Nagapadiyammal, II B.Sc. CS - **II Prize**

Paper Presentation

- K. Pavithra, I M.Sc. (CS&IT) and R. Dharshana Shri, I B.Sc. Computer Science won **I Prize** and received cash award for Rs. 500/-.
- S. Karunya Mercy and L. Priyadarshini, I B.Sc. Computer Science won **II Prize** and received cash award for Rs. 300/-.
- JAC E-Exam Software was developed by the Department of Computer Science was upgraded and new features were added by M. Eswari and M. Dhanalakshmi, III B.Sc. Computer Science.
- two new Softwares namely, 'Quick Response Code Based ID Card Generator System' was developed by S. Bhuvaneshwari and A Anusiya Easter Rani, III B.Sc. Computer Science and JAC eVoting System by R. Nandhini and K. Vanitha, III B.Sc. Computer Science and ready for implementation.

STUDENTS ACHIEVEMENTS

- Φ B. Sri Annapoorani, B.Sc. Mathematics (2015-2018)

participated in the Mathematics Training and Talent Search Programme organized under the aegis of MTTTS TRUST, SSN College of Engineering, Chennai from 21st May to 16th June, 2018.

- Φ P. Manimegalai, III B.Com. was awarded the College Topper Prize in the **Know Your Economy (KYE) Test** for College students by Scientific Research Association for Economics and Finance on 28th March, 2019.

Funded by the Management

- Φ Management contributed Rs.5000/- to Department of Business Administration to initiate the start up programme under Women Tech Park scheme and



- Φ Rs.5000/- to the Department of Commerce with CA to initiate the start up programme. The profit amount from this project was utilized for paying the exam fees for poor students.



Paper Publications

UGC Journals

The following students published papers:

Department of Commerce

- Φ S. Arulmozhi and P. Durga, II M.Com. on **Recent Trends and Opportunities in Agriculture Economics** in the International Journal and Research Analytical Reviews, P-ISSN: 2349-5138, E-ISSN: 2348-1269, (IJRAR), Feb 2019, pp. 5-10, Vol 6, Issue 1.
- Φ R. Sarulatha, Ph.D Scholar, on **Co-Integration among Indian Emerging and developed stock markets: Impact of Emerging and developed stock markets**

on **Indian stock markets** in the International Journal of Research in Social Sciences, ISSN: 2249-2496, IF 7.081, Vol 9, Issue 4, April 2019.

Other Journals

Department of Chemistry

Φ S. Maria Esther and P. Revathi, (2016-18) on **Photodegradation of Methylene Blue in the presence Of Solar light using CdO Nanocatalyst**, pp 364-413 and

Φ P. Nivetha and S. Ilakkiya, (2016-18) on **Green Synthesis of Silver Nanoparticles and their Antimicrobial activity** in the Journal of Emerging Technologies and Innovative Research, ISSN: 2349-5162, March 2019, Vol.6 (3), pp 328-363.

Department of Commerce

Φ R. Sarulatha, Research Scholar, published a paper on **Comparative Analysis of Volatility of Indian Stock Market with Emerging and Developed Stock Markets** in the International Journal of Management, IT & Engineering, ISSN: 2249-0558, Vol 9, Issue 2(1), Feb 2019, Impact Factor 7.119, pp. 39-49.

Paper Publications in Proceedings

Department of Mathematics

Φ Miss. J. Philomenal Karoline, Research Scholar, published a paper on **Stoichio Simulations of FACSP From Graph Transformations to Differential Equations** in the International Conference on Mathematics and Computing, ICMC 2018: Mathematics and Computing, ISSN:2194-1009, ISBN: 978-981-13-2094-1, pp.387-398. (Springer Link).

Φ The following M.Phil Scholars published papers in the National Conference on “Dynamical systems and its Applications” (NCDSA’19) – Conference Proceedings, PSG College of Arts & Science, Coimbatore, on March, 2019. ISBN: 9788193993644;

- G. Sujitha Mary, on **Array Rewriting Shape Grammar with P System**, pp. 123-132;
- M. Kurinjimalar, on **Iso Triangular Tile Shape Grammar System**, pp. 102-112;
- K. Premalatha, on **Permitting Features in Parallel Cooperating Distributed Array Grammar System**, pp. 92-101;

- D. Manjula, on **Trajectory Array P System with t-Mode of Communication**, pp. 113-122.

Paper Presentations

Φ The following M.Phil Scholars presented papers in the National Conference on “Dynamical systems and its Applications (NCDSA’19)” organized by the Department of Mathematics with Computer Applications & Mathematics (UA), PSG College of Arts & Science, Coimbatore on 22nd & 23rd March, 2019;

- K. Premalatha, on **Permitting Features in Parallel Cooperating Distributed Array Grammar System**;
- G. Sujitha Mary, on **Array Rewriting Shape Grammar with P System**;
- M. Kurinjimalar, on **Iso Triangular Tile Shape Grammar System**;
- D. Manjula, on **Trajectory Array P System with t-Mode of Communication**.

Training Programmes/Workshops/Conferences

Φ 26 I M.Sc. and 29 II M.Sc. Physics students participated in the International Web Conference on **Advanced Materials (IWCAM 2019)** organized by the Department of Physics, St. Joseph’s College, Trichy from 28th February to 1st March, 2019.

Φ R. Anushri I M. Sc., Zoology, M. Nadar Arul Selciya, K. Aswini Subhashri and T. Janagavalli, II B.Sc. Zoology (R) attended the **Hands on training in PCR techniques** at G.T.N College of Arts and Science, Dindigul on 5th March, 2019.

Φ G. Kaviya, V. Vidhya Lakshmi, A. Mahalakshmi, M. Pandiswari, Vinothini, R. Sheela, R. Pavithra, B. Kavipriya, I. Pircy Mercy Kala, K. Sujitha, II B.Sc. Zoology (SF) attended the state level seminar on **Environmental Biotechnology** at Mary Matha College of Arts and Science, Periyakulam on 5th March, 2019.

Φ Six Studnets from II M.Sc. (CS&IT) attended Three days “Hands-on workshop on Machine Learning algorithms for IoT Applications” organized by MEPCO Engineering College, Sivakasi from 6th to 8th May, 2019.

Intercollegiate Meet Winners

Department of English

Φ 13 students participated in the Intercollegiate Meet **Sahitya 2019**, English Literary Fiesta held on 6th

March, 2019 organised by English Literary Association, Gandhigram Rural Institute, Gandhigram, Dindigul. B. Sri Gayathri, II B.A. English (R) won **III Prize** in the Pencil Sketch competition.

Department of Chemistry

Φ 4 students participated in the Intercollegiate competition **CHEM GLAZE-II 2019** organized by the Department of Chemistry, The American College, Madurai on 1st March, 2019. G. Meenatchi, II M.Sc. Chemistry, won **I Prize** in **Alchemist Competition**.

- S. Abinaya & G. Meenatchi, II M.Sc. Chemistry, won **III Prize** in **Quiz competition**.

Department of Zoology

Mark turn

Φ R. Pavithra, II B.Sc. Zoology (SF) - **II Prize**

Face Painting

Φ V. Vidhya Lakshmi, A. Mahalakshmi, R. Sheela, Vinothini, II. B.Sc. Zoology (SF) - **I Prize**

Φ M. Pandiswari, Kavipriya, I. Piracy Mercy Kala, K. Sujitha II. B. Sc., Zoology (SF) - **II Prize** at Biofest-2019 at Mary Matha College of Arts and Science, Periyakulam on 5th March, 2019.

CLUBS & CELLS

IQAC

Φ Internal Academic Audit was held on 23rd March, 2019. Dr. Sr. S. Jesurani, Principal, Dr. Sr. B. J. Queensly Jeyanthi, Secretary and Dr. A. Clara Dhanemozhi, IQAC Co-ordinator evaluated the achievements of the departments and presented the report.

Φ Evaluation Committee Meeting was held on 23rd March, 2019 to evaluate the action taken report of the Departments, NSS, NCC, JACEP, IQAC and various Clubs and Cells.

Φ External Committee Meeting was held on 29th March, 2019 to evaluate the departments for the year 2018-'19. The external committee members were:

1. Dr. C. Hilda Devi – University Representative, Mother Teresa Women's University, Kodaikanal
2. Dr. K. S. Joseph Wilson – Head & Associate Professor, Department of Physics, Arul Anandar College, Karumathur.

3. Dr. D. I. George Amalarathinam – Associate Professor & Director- MCA, Jamal Mohammed College, Tiruchirappalli

The members visited and evaluated all the departments and presented the report to the Principal.

Consumer Club

Φ Consumer Club, Youth Red Cross & Women Cell conducted **Gas Awareness Programme** on 1st March, 2019. Mr. Chandra Mohan, Director, Vasu Indane Gas, Periyakulam gave a talk on **Gas Awareness**.



Φ Consumer day was observed on 15th March 2019. Mrs. Jasmine Selvapackiam, Department of Business Administration gave awareness to the students on advertisements and its impact on consumer and contamination in food products.

Φ HEPSN Students are provided a specific room with special equipments for doing the exercises to nurture their health.

Current Events Club

Φ Dr. M. Kalanithi Associate Professor of Chemistry, delivered a talk on **Climate Change and Energy Innovations** to the current events club members on 1st March, 2019.

Reading & Dramatics Club

Φ A short play writing competition was conducted on the topic **Women Empowerment** on 4th March, 2019. J. Noorul Yasmin, I B.A. English (R) secured the **I Place** and A. Yoga Archana, III B.A. English (R) secured the **II Place**.

Φ 25 books were discussed in the Reading Club by the PG students and few staff members of English Department on 21st March, 2019. The students participated with more zeal and enthusiasm.

Φ Wings - magazine 12th issue titled 'Literature in Translation' (Even Semester, 2018 – 2019) was brought out.

Placement & Career Guidance Cell

- Φ Ms. T. Madhumitha, M.Sc. Chemistry (2017-19) was appointed as Junior Scientific Analyst in Molecular Connections, Tiruchengodu, Tamil Nadu.
- Φ A campus interview was conducted on 6th March, 2019 by Unique Technology, Periyakulam for III U.G. Computer Science students. 35 students attended and 2 students, T. Divya and M. Dhana Lakshmi, got offer letters.
- Φ The TCS Affirmative Action Free Employability Training Program for SC/ST and underprivileged final year UG students was offered on 1st March, 4th to 7th March, 19th to 22nd March and 25th to 29th March, 2019.
- Φ M. Kohilavani@Sowmiya, K. A. Divya Lakshmi, II M.Sc. Chemistry were selected as Associate Trainee with annual Income Rs.1.8 Lakhs, by DSK InnoSciences Pvt. Ltd., Hosur. U. Arul Prabha, G. Meenatchi and G. Abarna are wait listed for the same.
- Φ The TCS Free 100 hours Employability Training was conducted from 25th April to 9th May, 2019.
- Φ TATA CONSULTANCY SERVICES Ltd. conducted Affirmative Action Campus Recruitment on 10th May, 2019. 56 students attended and the following 10 students were selected provisionally.
 - K. Aishwarya Lakshmi, M. Fahumiya Taj, K. Inbarathi, B. Kottai Pandeewari, T. Rakshana Devi, III B.Sc. Mathematics, V. Karthigai Selvi, III B.Sc. Zoology, M. Sugasathya, III B.A. English, Canuite Kavi Priya, III B.Sc. Chemistry, R. Jenifer, III B.Com., and X. Jessie Jospin Mariyan, III B.Com. (CA)

Women Cell

- Φ The **International Women's Day** was celebrated on 8th March, 2019. Dr. Josephine Arockia Mary, the founder of VIBIS NATURAL BEE FARM, Madurai was the chief guest and addressed the students.



Gandhian Thought

- Φ A Field visit to Gandhi Museum, Madurai was arranged on 5th March, 2019.

Avian Club

- Φ Various Competitions was conducted and the prize winners are as follows:

Nest Making - 1st March, 2019

- K.Bhavani, I B.Sc. Zoology (R) & C. Vinothini, II B.Sc. Zoology (SF) - **I Prize**
- G. Roobashree, II B.Sc. Zoology (R) & V. Vidhyalakhmi, II B.Sc. Zoology (R) - **II Prize**

Essay Writing

- V. Rathna Priya & G. Aparna, I B.Sc. Zoology (R) - **I Prize**
- V. Jeeva, III B.Sc. Zoology (R) & K. Bhavani, I B.Sc. Zoology (R) - **II Prize**

Paper Presentation (PPT) - 4th March, 2019

- A. Rajeshwari, II M.Sc. Zoology - **I Prize**
- Karthikai Selvi, III B.Sc. Zoology (R) - **II Prize**

Photography

- Bhavani, I B.Sc. Zoology (R) - **I Prize**
- A. Rajeshwari, II M.Sc. Zoology - **II Prize**

