

Department activities 2018-2019

➤ Academics

- Dr. P.Jyothi Kumari, HOD Nutrition and Dr. M.Rama Member of IQAC attended A Three day national conclave cum war room on **“OUTCOME BASED EDUCATION”** at Andhra Loyola college (A) Vijayawada, Organized by internal quality assurance cell of Andhra Loyola college in collaboration with Commissionerate of Collegiate education Government of Andhra Pradesh from 25th to 27th October 2018.
- Dr. P.Jyothim kumari, HOD Nutrition and Dr. M.Rama Member of IQAC, gave an **Awareness talk on “OUTCOME BASED EDUCATION”** to the staff members of St Theresa’s College for women(A) on 1st November 2018.



- Chemistry department faculty Mrs.K.Chukkamma, Mr.G.Srinivasa Rao & Ms.N.Syamala along with the chemistry cluster students attended a **WORKSHOP ON NANO TECHNOLOGY** at KBN college Vijayawada on 15th Nov 2018.



- Chemistry department organised a **GUEST LECTURE** on 27th November to the chemistry cluster students by Mr.V.Ramachandram entrepreneur analyst **WIPRO** on **career guidance**.



- ❑ Department of chemistry along with students attended **WORKSHOP ON “MODERN ANALYTICAL TECHNIQUES-NEWER FRONTIERS OF DRUGS AND DRUG CARRIERS** at Sir C.R.Reddy college of pharmaceutical sciences Eluru on 1st and 2nd Feb 2019.



Co curricular activities:

- Chemistry department members distributed clay ganesh idols as a part of **FOCUS club** activity in collaboration with **AP Pollution control board** in order to encourage ecofriendly ganesh chaturdhi celebrations on 12th Sep 2018.



- Chemistry department under the **FOCUS club activity** organised competitions on poster painting and elocution for students on 18th september on the topic "**How to protect ozone layer**". The students were enlightened about the importance of ozone layer and the issues which are causing harm to the ozone layer.



- Dr.Sr.Mercy along with chemistry department felicitated students of I II & III BSc who secured full marks in chemistry subject in I III V semester end exams under the **FOCUS club academic achiever award.**



- **Field trip:**

Department of Chemistry along with final year students visited **WANBURY** pharmaceuticals at Tanuku on 1st August 2018. Students were inspired with the instruments in working condition in QC and R&D labs.



Research & Publications 2018-2019

Department of Chemistry

Faculty Name	Title of the Paper	Journal Name	ISSN/ ISBN	Impact Factor
Dr G Jyothi	Spectrophotometric methods for the assay of Tiagabine.HCl(TIA) using chromogenic reagents P45-52	International Journal of research	ISSN 2236-6124 December-2018	5.7
Dr CA Jyothirmaye	Materials of Microwave devices	International journal of Engineering Science Invention(IJESI) Jan 2018	ISSN(Online) :2319-6734, ISSN (Print): 2319-6726 Page: 7-10	
	Understanding family structure and women empowerment in India	KAAV International Journal of Economics, Commerce & Business management, Feb 2018	ISSN: 2348-4969 Page: 15- 17	
	Nano phosphors	International journal of Engineering Science Invention(IJESI) Feb 2018	ISSN(Online) :2319-6734, ISSN (Print): 2319-6726 Page: 04-06	
	Linear correlation and study of ground water quality of Pedapadu mandal, West Godavari District, AP, India,\	International journal of Management, Technology and Engineering	ISSN No: 2249-7455 Vol- 8, Issue – XII, Dec 2018 Page No: 59-67	
	Unrecognized Indian women	Journal of Emerging and technologies	UGC No:63975& ISSN: 2349-5162	IF :5.7

	scientists in Science and Technology	innovative Research(JETIR)	Mar 2019 Page:231	
	Professional ethics to inculcate the culture of Personal and Social responsibility.	STC Scholars vision Vol -7, Issue no-1	ISSN No; 2321-6425, Jan- dec 2018 Page. No: 112-115	Impact factor: 4.31(A E Global index)
	"Impact of cybercrime on Indian women".	International Journal of Research www.ijrpublisher.com IJR Journal, ISO Certified journal, Vol-VIII, Issue- I,	ISSN No:2236-6124, Mar 2019 Page No: 138- 141	Impact factor : 5.7
Dr M Rama	Environmental Contamination by pesticides. Green accounting issues and implementations	Indian council for business education Bangaluru	ISBN 978-81-935990-0-6. Jan.2018	
	Educated Women- A boon to the family & society	KAAV International Journal of Economics, Commerce & Business management	ISSN 2348-4349, Vol. 5, Special Issue 2, February 2018	Impact factor- 7.9183
	Renewable energy education- A new paradigm	International Journal of Engineering Science Invention (IJESI)	ISSN (Online): 2319 6734, ISSN (Print): 2319 6726	
	Comparison of essential oils composition and antioxidative property of leaf extracts of Ocimum sanctum(p) and Ocimum basilicum.	International journal of management ,Technology and Engineering	ISSN-2249-7455, Page no.148-157, December-2018.	
	Essential oil composition of	STC Scholars vision,	ISSN-2321-6425.page no.105-	

	Ocimum sanctum(green) in different seasons. ISSN-2321-6425.page no.105-111.Jan-Dec.2018.		111.Jan-Dec.2018.	
	Seasonal variation of essential oils composition of a medicinal plant- Ocimum sanctum (purple)	,Asian journal of organic & medicinal chemistry	ISSN-2456-8937.pp20-22 Jan-Mar.2019.	
Dr V Naga Lakshmi	Spectrophotometric methods for the assay of lopinavir using chromogenic reagents,	International Journal of Engineering Science Invention (IJESI) Jan 2018;	ISSN(Online) :2319-6734, ISSN (Print): 2319-6726.	
	Women in Research	KAAV International Journal of Economics, Commerce & Business management, Feb 2018	ISSN: 2348-4969.	
	Women opportunities and Challenges in Empowerment- Present scenario.	KAAV International Journal of Economics, Commerce and Business Management	No.47663 2018	
	Chemical modelling studies on the interaction of phenyl acetic acid hydrazide and A-Alanine with divalent transition metal ion.	International Journal of Engineering Science Invention (IJESI) Jan 2018;	ISSN(Online) :2319-6734, ISSN (Print): 2319-6726. PP.01-06	
	Spectrophotometric methods for the assay of Tiagabine.Hcl	International Journal of Research, Dec 2018	ISSN NO:2236-6124, PP45-52	

	(tia)Using chromogenic Reagents.			
	IoT Why and How? Dec 2018,	Journal of Applied Science and Computations	ISSN NO: 1076-5131, PP60-67.	
	Biorefinery	RESEARCH REVIEW International Journal of Multidisciplinary, Jan 2019,	ISSN: 2455-3085 (Online) , PP43-44.	
Mrs N Gayatri Devi	Study on Molecular Interactions Using Thermodynamic Excess Properties of Binary Mixture Containing Propiophenone with 1-Propanol, 1-Butanol and 1-Pentanol at Temperatures 303.15, 308.15, 313.15 and 318.15 K.	Asian Journal of Chemistry	0975-427X	
	Acoustic, Volumetric and Viscometric Studies of Binary Liquid Mixtures of p-Chloroacetophenone with n-Alkanols at Different Temperatures.	Chemical science transactions	2278-3458	
	Theoretical assessment of ultrasonic velocities of binary liquid mixtures containing p-	Karbala international journal of modern sciences, Elsevier	2278-3458	

chloroacetophenone with 1-alcohols at temperatures from 303.15 K to 318.15 K, Pages 126-133			
Ultrasonic study on binary liquid mixtures of Propiophenone with Anilines and Alkyl substituted anilines at T=303.15 to 318.15 K.	Korean Journal of chemical engineering, Springer	eISSN:1975-7220, pISSN: 0256-1115	
Effects of Isentropic and Partial Molar Compressibility of Propiophenone with 1-Alkanols Binary Mixtures at 303.15 to 318.15 K.	Chemical science transactions	2278-3458	
Partial molar properties of binary liquid mixtures of Propiophenone with 2-AlkoxyEthanol at T=303.15-318.15K	International Journal for Research in Engineering Application & Management (IJREAM)	ISSN:2454-9150	
Correlative and predictive models of viscosity study on Propiophenone with isomeric xylenes binary mixtures at T=(303.15 to 318.15) K	Korean Journal of chemical engineering, Springer	eISSN:1975-7220, pISSN: 0256-1115	
PHYSIO-CHEMICAL PROPERTIES OF	International Journal of Research	ISSN NO:2236-6124	

	SOIL			
	Importance of differential equations and partial derivatives in Chemistry	Suraj Punj Journal For Multidisciplinary Research	ISSN NO: 2394-2886	
	Ethano-Botanical Studies of Maddigadda and Pinjerukonda villages near Addategela, East Godavari distrit, Andhrapradesh	International Journal of Research	ISSN NO: 2236-6124	
Dr K Swarna Latha	A Quantitative Estimation of Phytochemicals, Anti-Diabetic and Anti-Oxidant Activities of Crude Extracts of Sphagneticola trilobata (L.) and Adhatoda vasica Linn.	Journal of Natural Products and Resources,	Page 155-159, 2018.	
	A Phytochemical screening, Anti-Diabetic and Anti-Oxidant Activities of Kigelia africana (LAM.) and Sterculia foetida (L),	Rasayan Journal of chemistry, 12, 907-914, 2019 .		
	Application of Debye-Scherrer Formula in the determination of silver nano particles.	International Journal of Management, Technology and Engineering, 8 , 81-84 , 2018.		

