

CURRICULUM VITAE

Prof. K. Raghu Babu

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Registrar, Dr.B.R.Ambedkar University, Srikakulam

Administrative and Academic Positions held :

- 1. Registrar, AdiKavi Nannaya University, Rajahmundry.**
- 2. Dean, Academic Affairs, Andhra University, Visakhapatnam.**
- 3. Special Officer, Andhra University PG Campuses**
- 4. Head, Department of Engg. Chemistry, AUCE(A),AU(2008-2012)**
- 5. Chairman, Board of Studies, Engg.ChemistryJNTU-K, Kakinada.**
- 6. Course Coordinator, MS IAC, Engg. Chemistry, AUCE (A).**
- 7. Member, Council of Indian Institute of Chemical Engineers**
- 8. Council Member, Indian Desalination Association Congress,
BARC, Mumbai**
- 9. Professor & HOD of Department of Engineering Chemistry AU College
of Engineering(A),Andhra University (2016-2018)**
- 10. Dean, Andhra University Guest Houses**
- 11. Member, University Court, Central University of Orissa, ORISSA**
- 12. Dean of Academic affairs, IPE-Visakhapatnam.**

Numerical THREE has a significant role in Indian culture beginning with the Divine Trio—Brahma, Vishnu and Maheshwara. Even in our geographical perception “Three” has a unique place signifying TriveniSangamam, Sangamam of Three seas and Tri color flag representing three supreme virtues. In continuum, Trade-Tradition-Technology has become the watch word of the 21st century-India.,

Vision, Mission and Action in Shaping the Future Indian Students

A University is not merely a collection of Infrastructure, Instruments and intellectuals, but a vital living entity imparting crystal clear character, perfect personality, unique philosophy, proactive action, a heritage of ideas and methods that will have a lasting influence on all those who enter it in pursuit of knowledge.

Driven by societal responsibility, Suitable Structural modifications in curriculum and flexibility in Pedagogy with a view to create Student- centric standards of academic excellence which motivate them to understand the intricacies of present technical world, train them to work collaboratively, communicate effectively, think and design creatively, by nurturing humane values and also train them as leaders of future INDIA. Honing their abilities to work efficiently and effectively imbibing critical 21st-century skills and transfer relevant domain knowledge from one discipline to another.

Recent Academic activity

1. Participated in Indo-US Bilateral symposium on Nanotechnology and Regulatory Science held during February 21-22 2018 organized by CSIR-IICT-Hyderabad.
2. Participated in “BIOASIA-2018: The Global Biobusiness form” held during February 22-24 2018 organized by Govt.of Telangana and FABA.
3. Participated in Indian Economic Summit held at Acharya Nagarjuna University Guntur during 27-30 December 2017
4. Visited YUNUS Centre, Dhaka and Participated in SOCIAL BUSINEES DAY-2017 held during 28-29 July 2017 at Dhaka, Bangladesh.
5. Panel discussant and National Advisory Board Member Workshop on CHALLENGES AND LATEST TRENDS IN NANO COMPOSITES, Andhra University, Visakhapatnam during 4-5 Sept 2014
6. Invitee, Workshop on BUILDING EXCELLENCE IN PROFESSIONAL HIGHER EDUCATION INSTITUTIONS organized by INDIAN SCHOOL OF BUSINESS, Gachibowli, Hyderabad during 9-11 Sept 2014
7. Chair, Session on Energy Technology at .SCHEMCON -2014 held at Haldia Institute of Technology, Haldia, Kolkata during 19-20 Sept 2014
8. Actively participated in Cyclone relief operations during post HudHud period ,13 -31stOct14
9. Participated in India –US technology summit held at Noida, New Delhi 18-19 Nov14
10. Invitee, India-US Workshop on Solar Resource Assessment Solar Project Development organized by National Institute of Solar Energy, Gurgaon Government of India 20-21Nov2014
11. Participated in Two day TEQIP workshop on GREEN PROCESS FOR ENERGY CONVERSION(GEC-2014) organised by IIT, Hyd Bad during 29-30Dec2014
12. Actively participated in 102 nd INDIAN SCIENCE CONGRESS held at Mumbai University during 3-7Jan 2015-02-01
13. Co-Chair a session on MEMBRANE TECHNOLOGY in Trombay Symposium on Desalination and Water Reuse ,BARC, Mumbai during 22-23Jan 2015

PERSONAL INFORMATION

Designation : **Professor**
Dept. of Engg. Chemistry
College of Engineering(A)
AndhraUniversity
Visakhapatnam,Andhra Pradesh

Date of Birth : 1964-06-30

Residential Address : Flat No:A-3
Royale Villa Apartments
Opp.Vuda Children Park
Siripuram, Visakhapatnam
Andhra Pradesh-530003

ACADEMIC QUALIFICATIONS

1. B.Sc(Chemistry(main),Maths,Physics) First Class
2. M.Sc (Chemistry) First Class
3. Ph.D.(Chemistry)“ANALYTICAL APPLICATIONS OF p-ANISIDINE IN REDOXMETRY” under the guidance of **Prof. NEMANI KRISHNA MURTHY**, Renowned Scientist, Artist & Sculpture, Emeritus Scientist, CSIR

Research Fields:

Energy and Environment
Synthesis and analysis of Pharmaceuticals
Nano Science and Technology

Human may reach Moon or Mars due to advent of technologies but to provide CLEAN AIR,PURE WATER,FERTILE SOIL and HYGIENIC FOOD to the BOTTOM BILLION is the MOTTO

Consultancy Work

1. Analysis of Cement ,Water ,metals and Materials
2. Pharmaceutical Analysis
3. Corrosion related problems and Renewable energy

Members, BOS

- 1. Gayatri Vidya Parishad, Visakhapatnam,**
 - 2. .Sanketika Vidya Parishad, Visakhapatnam**
 - 3. VSKrishana Degree College, Visakhapatnam**
 - 4. MR College (A), Vizianagaram**
 - 5. PR College, Kakinada**
 - 6. Baptla Engineering College**
 - 7. Member, M.Tech Nano Technology, AUCE(A)**
 - 8. Ideal College Kakinada**
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Membership in Academic Bodies:

- 1. Life Member, INDIAN SCIENCE CONGRESS**
 - 2. Life Member, Indian Desalination Association**
 - 3. Life Member, Indian Institute of Chemical Engineer**
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RESEARCH PROJECTS

PURSE Program by Andhra University -01

Department of Science and Technology, Women Scientist Program (14.5 Lakhs)-02

Principal Scientific Investigator of Nano Technology Projects –Centre for Nano Technology

Collaborative project (14.5 Lakhs) with GITAM University, Visakhapatnam

Books Authored/Co-Authored

Text book of Engineering Chemistry-School of Distance Education-Andhra University

Text book of Engineering Chemistry-JNTU-Kakinada

Engineering Chemistry Lab Manual of JNTU-Kakinada Vol-1 and Vol-2

Seminars/Conferences Conducted as Convener/Co-convener /Chairman /Co-Chairman

1. **Co-ordinator** Andhra University Academic Exhibition in the Department of Engg. Chemistry held during 12-16 February 2011
2. **Convener** Recent Advances In Applied Chemistry(RAAC) held During 19th March, 2011, ANDHRA UNIVERSITY
3. **Co-ordinator** Computer Applications In Applied Chemistry(CAAC) held during 22nd October, 2011, ANDHRA UNIVERSITY
4. **Organizing Secretary Effects of Emissions and Effluents on Environment** held during 23-24 December, 2011, ANDHRA UNIVERSITY
5. **Organising Secretary** One day Workshop On the Occasion of “World Water Day” held during March 22, 2012, ANDHRA UNIVERSITY
6. **Vice-Chairman** for International Workshop on **Effects of Emissions and Effluents on Environment** held during 12-13 December 2012, ANDHRA UNIVERSITY
7. **Co-Chairman** One day Work Shop on “Global Warming Impact on Water Quality” held during 22 March 2013, ANDHRA UNIVERSITY
8. **Chairman** one day Workshop on “**Effects of Emissions and Effluents on Environment**” held during 24 December 2013, ANDHRA UNIVERSITY
9. **Chairman** National Organizing Committee for “Environmental Biotechnology and Biodiversity” held during 3-4 March 2014, ANDHRA UNIVERSITY
10. **Co-Chairman** National Organizing Committee for “**Effects of Emissions and Effluents on Environment**” held during 30 June -1 July 2014, ANDHRA UNIVERSITY

11. **Advisory member**, National Workshop on CHALLENGES AND LATEST TRENDS IN NANO COMPOSITES, ANDHRA UNIVERSITY
12. **Chairman**, Two day National Workshop and Exhibition on Science & Society held at Dept. of Engg. Chemistry, AUCE(A) during 27-28 February 2015.
13. **Chairman**, Two day National Workshop on Water and Sustainable Development held at Dept. of Engg. Chemistry, AUCE(A) during 22-23 March 2015.
14. **Chairman**, National Workshop on “Water Wonderful world” in connection with “world Earth day” at College of Engineering(A), Andhra University during 22nd April 2015.
15. **Convenor**, for International Workshop on **Desalination** held during 29-31 January 2016, AUCE(A), ANDHRA UNIVERSITY
16. **Convenor**, for International Workshop on **Innovative & Sustainable Waste Water Treatment** held during 27-29 February 2016, AUCE(A), ANDHRA UNIVERSITY
17. **Convenor**, for National Workshop on **Water and Jobs on 22nd March 2016**, held at AUCE(A), ANDHRA UNIVERSITY.
18. **Organizing Secretary and Convenor** for International Symposium on “**Social Business for Sustainable Development**” held during 5-7 January 2017

Chair a Session in International and National Conferences/Member ,Panel discussion

1. SCHEMCON -2014 held at Haldia Institute of Technology, Haldia ,Kolkata
2. Member, Panel discussion, CHALLENGES AND LATEST TRENDS IN NANO COMPOSITES, Andhra University 2014
3. Speaker and Member Panel discussion Two-day International Workshop on New Frontiers in Treating and Preventing Diabetic Retinopathy 30 -31 Jan 2013
4. 65th Annual Session of the CHEMCON 12 at NIT Jalandhar 2012
5. Annual convention of Indian Desalination Association held at JNTU K ,Vizianagaram 2011
6. 63th Annual Session of the CHEMCON 10 at Annamalai University 2010
7. 62th Annual Session of the CHEMCON 09 at Andhra University 2009

8. Member, Panel discussion, CHALLENGES AND LATEST TRENDS IN NANO COMPOSITES, Andhra University 2014

Participation in International/National Conferences/Seminars :

1. Participated in The Indian Science Congress Association held at SRM University, Chennai during 3-7 January 2011.
2. Participated in The Indian Science Congress Association held at Kerala University, Thiruvanthapuram during 3-7 January 2010.
3. Participated in the Biofuels Conference Entitled Asia Bio fuels Conference & Expo In Singapore during 11-13 December 2007.
4. Participated In short Term Training Programme for Computational Chemistry Tools for Chemistry and materials Science Research held at IIT-Madras , Chennai during 12-23 March, 2007.
5. Participated in the Joint International Conference on Advances of Organic Chemistry and Chemical Biology held at IICT-Hyderabad during 11-12 January 2006.
6. Participated in The Indian Science Congress Association held at Acharya N.G.Ranga Agriculture University, Hyderabad during 3-7 January 2006.
7. Participated in the International Workshop on Weather Modification and Cloud Seeding Technologies for Rain Water Enhancement (IWCST-2005) held at JNTU-Hyderabad during 27-28 January 2005.
8. Participated in 92nd The Indian Science Congress Association held at Nirma University of Science Technology, Ahmedabad , during 3-7 January 2005.
9. Participated in the Refresher Course Conducted in the Andhra University during 13-10-2003 to 02-11-2003.
10. Participated in the Workshop on Environmental Benign Industrial Biotechnology held at JNTU-Hyderabad during 6th December 2001.
11. Participated in the Workshop on Cleaner Technologies held at JNTU-Hyderabad during 5th December 2001.
12. Participated in Orientation Course Conducted in the Academic Staff College, Andhra University during 04-30 April 1994.
13. Participated In short Term Instrumentation Training Programme in the Andhra University during 4-16 February 1991.

Invitation for Visiting Laboratories:

1. Invitation Letter from National University of Singapore to visit laboratories of Nano Science & Nano Technology during 11-13 December 2000

Research Papers Presented in International/National Conferences/Seminars:

1. Presented a paper in International Conference on Effects of Emissions and Effluents on Environment held at A U College of Engineering(A) during June 29 and 1st July 2014.
2. Presented a paper in International Conference on Environmental Biotechnology and Biodiversity held at A U College of Engineering(A) during 3-4 March 2014.
3. Presented a paper in International Symposium on Effects of Emissions and Effluents on Environment held at A U College of Engineering(A) during 23-24 March 2011.
4. Presented a paper on Studies on Bio sorption of Lead Using Immobilized Marine Micro Algae in CHEMCON-2010, held at Annamali University during 27-29 December 2010.
5. Presented a Paper in the 80th Annual Session and National Symposium on Climate Change –Research, Awareness and Capacity Building of held at Jaipur National University, Jaipur during 2-4 December 2010 \
6. Presented a Paper in the 79th Annual Session of the National Academy of Sciences and National Symposium on Science and Technology and the Young held at University of Kolkata during 14-16 December 2009
7. Presented a Paper in 96th The Indian Science Congress Association on Estimation of iron with Chromium in EDTA medium Using Methylene Blue, P-Anisidine and Thionine as Indicators held at Shillong, Meghalaya during 3-7 January 2009
8. Presented a Paper in 95th The Indian Science Congress Association on Determination of Tungsten with Copper, iron, Hexacyano ferrocyanate Using Potentiometric and Visual Methods held at Visakhapatnam during 3-7 January 2008.
9. Presented a Paper in the 80th Annual Session of the National Academy of Sciences and National Symposium on Novel Approaches for Bio-Medical Research, held Panjab University Chandigarh during 21-23 December 2008.
10. Presented a paper on Potentiometric determination of Hydrogen Peroxide with N-Bromo Succinimide in 1ST AP Science Congress held at Osmania University during 14-16 November 2008
11. Presented a Paper in the 77th Annual Session of the National Academy of Sciences, India held CFTRI-Mysore during 6-8 December 2007.

12. Presented a Paper in the 76th Annual Session of the National Academy of Sciences, India held IIT-Bombay and BARC-Mumbai during 6-8 October 2006.
13. Presented a paper on 23rd Conference of Indian Council of Chemists on Estimation of Ascorbic Acid with Hexacyano ferrate By Visual Potentiometric Methods held at K C College Mumbai during 2004.
14. Paper Accepted for presentation in the 204th meeting of Electrochemical Society on Impact of Experimental design on quantization of tungsten using Redox Framework held at Orlando during 12-16 October, 2003.
15. Paper Accepted for Pittsburgh Conference on P-Anisidine as a New Analytical Reagent held at Pittsburgh, USA during 9-14 March 2003.
16. Paper Accepted for presentation in the II Santa Maria Work Shop Chemistry on Synthesis and Characterization of Tungsten(VI)-p-Anisidine Complexes held at Cuba during 7-11 July, 2003
17. Presented a paper in the Fourth National Symposium In Chemistry held at National Chemical Laboratory, Pune during February 1-3, 2002.
18. Presented a Paper in the International Conference on Industrial Pollution and Control Technologies (ICIPACT-2001) On Detection of Pesticides as Pollutants in different Water, soil and Food grain Samples held at JNTU-Hyderabad during 7-10 December 2001.
19. Presented a Paper in the International Symposium on Biodegradable Polymers and Packing Materials on Synthesis of Some new Polymers held at IICT-Hyderabad during 17-18 November 2001.
20. Presented a Paper in the 71st Annual Session of the National Academy of Sciences, India held University of Pune during 7 October 2001.
21. Presented a Paper in The Indian Science Congress Association held New Delhi during 3-7 January 2001.
22. Presented a Paper in the Annual Session of the National Academy of Sciences, India held at Allahabad University during 6th November 2000.
23. Presented a Paper in 79th The Indian Science Congress Association on P-Anisidine as a new indicator for the titrimetric estimation of Fe(II), U(IV), Mo(V), V(IV) Hexacyanoferrate hydroquinone and hydrogen hydrogen Peroxide with CE(IV) held at Baroda during 3-7 January 1992.
24. Paper Accepted for 5th Asian -Pacific Congress of Clinical Bio-Chemistry on Determination of Vitamin-C Through Redoxmetry held at Japan during September 29 & October 4, 1991

No of PhD's Awarded: 25

Submitted : 08

Sl.No	Name of the Scholar	Title of the Thesis
1	A.Vasundhara	Redox Analytical Applications of TUNGSTEN
2	B.Divakar	Some new Analytical Applications of Potassium HexaCyano Ferrate
3	K.RamaRao	Analytical Applications of Di-Sodium Salt of EDTA as medium in Redoxmetry
4	D.KondalaRao	Analytical Applications of NBS in Redoxmetry
5	B.KalyanaRamu	Visible Spectrophotometer and High Performance Liquid Chromatography as tool for the assay of selective drugs in Pharmaceutical Formulations.
6	V.JaganadhaRao	Validative Method development for determination of selective drugs in bulk and Pharmaceutical dosage forms using RP HPLC and UV-Visible Spectrophotometric determination
7	L. SanthiSwarup	New Analytical Spectrophotometric methods of some Selective Drugs
8	N.ArunaKumari	Novel Method development and validation of spectrophotometric and RP HPLC for penem class Antibiotics(awaiting for reports)
9	M.Anupama	Development Of A New Adsorbent (Vbs) From The Seasand Of Visakhapatnam Shores And Studies On Its Applications Using Natural Products
10	M.SuriBabu	Industrially Viable process Development of Few active Pharmaceutical ingredients and their related substances
11	A.R.Murthy	Novel Method Development And Validation Of Selected Pharmaceutical Drugs By RP-HPLC
12	K.VenkataRao	"Active Ingredient And Impurity Profiling In Bulk Drugs And Pharmaceutical Dosage Forms Using Various Analytical Methods"
13	K.Gowri Shankar	"Synthesis of novel hydrazone derivatives as potential antibacterial agents"
14	G.N.Trinadhachari	Synthetic Studies On Nitrogen Heterocyclic Compounds - Active Pharmaceutical Ingredients And Their Related Substances
15	E.S.R.S.Sarma	Novel Method Development, Stability And Validation Of Spectrophotometric And Rp-Hplc For Class Of Anti-Hypertension Drugs

16	G.Srinivas	Syntheses and Characterisation of Few Active Pharmaceutical Ingredients and their Related Substances
17	K.BuelaKumari	Synthesis, Characterisation And Antimicrobial Studies Of (E)-2-Hydroxy-N 1 - [1-2,3,4-Trihydroxy- Phenyl)-Ethylidene]- Benzohydrazide And Its Metal Complexes
18	P.V.S.R.MohanaRao	Development Of New Visible Spectrophotometric And Rp-Hplc Methods For The Determination Of Selected Drugs In Bulk And Pharmaceutical Dosage Forms
19	K.Sandhya Rani	Development And Validation Of Novel Stability Indicating Visible Spectrophotometric And Rp-Hplc Methods For The Assay Of Selected Antihypertensive Drugs In Pharmaceutical Formulations
20	V.Swathi	Novel Nano Ferrite Catalysed One - Pot Synthesis Of Some Heterocycles And Their Biological Activity Studies
21	N.Sreenivas	Stability indicating Method development for impurity profiling by Chromatographic Techniques for Selected Drug Substances.
22	M.Ravi Kumar	Nano Ferrites As Heterogeneous Catalysts For The One-Pot Synthesis Of Some Biologically Active Heteocyclic Compounds
23	M. Sri Vidhya	One-Pot Synthesis Of Some Biologically Active Heterocyclic Compounds Using Heterogeneous Catalysis
24	A. NookaRatnam	Studies Directed Towards Synthesis Of Novel Pyridine Fused Heterocycles For Pharmaceutical Applications.
25	S.Hemambika	Analytical Method Development and Validation of Different drugs by Spectrophotometric and HPLC in Pharmaceutical Dosage form
26	M.Nageswararao	Direct Determination and Evaluation of Trace level ionic impurities by ion Chromatography in pharmaceutical Drug Substances.
27	G Vasu Babu	Design, Synthesis And Biological Evaluation Of Novel Cox-2 Inhibitors Containing N-Acylhydrazone Derivatives As Potential Anti-Inflammatory Agents
28	Ch. Kartheek	Distribution and speciation of Mercury in coastal marine environment around India
29	Ch.Suresh Kumar	Total Synthesis Of Biologically Active Cyclic Peptides: Clavatusides A, B And [1-8-N ∞ C]-Zanriorb A1
30	K.L.N.Sarma	Novel Approaches Towards The Synthesis Of Biologically Active Quinolinone, N-Phenyl Acetamide Derivatives And Macrolides:Patulolide-A, Diplodialide-D
31	N.Chandra Sekhar	Synthesis Of Efficient, Commercially Viable Process Of Few Active Pharma Ingredients And Their Congeners

No.of M.Phils Awarded:10

Sl.No	Name of the Scholar	Title of the Dissertation
1	Y.Ranganayakulu	Visible Spectrophotometric Methods for the Analysis of Tizanidine HCL and Glimeperide
2	V. Madhavi	Spectrophotometric determination of few selective drugs
3	K.Divakar	Analytical Applications of EDTA as medium in Spectrophotometric Determination
4	K.Sandhya Rani	Selective Method Development fir the drugs HydrochloroThiazidine and Ferrofendine HCL in Bulk and Dosage Forms by Visible Spectrophotometric and HPLC
5	D.ChandraSekhar	High Performance liquid Chromatography and Visible Spectrometry as tool for the assay of ClopidogrelBisulphate and Losertan Potassium in Bulk Dosage Forms
6	B.Bhoodevi	Selective Method Development fir the drugs MetoprololTratarate and LiginoprilDihydrate in Bulk and Dosage Forms by Visible Spectrophotometric and HPLC
7	J. Kumar Jalasutram	Impact Of Aquaculture On Soils And Groundwater Quality In Parts Of The Coastal Tracts Of Godavari Central Delta
8	K. Appaji rao	Spectrometric applications of EDTA as medium in the Determination of Chromium (VI)
9	D. Chandra Sekhar	High Performance liquid chromatography and Visible spectrometry as tools for the assay of clopidogrel bisulphate and isortan potassium in bulk dosage forms
10	J. Lavanya	Spectrophotometric determination of few selective drugs

Ph.D Scholars Working: 17

Sl.No	Ph.D (Full-Time)	Ph.D (Full-Time, EMR)	Ph.D (Part-Time)
1	K.SwamySekhar	K.Malikarjuna	N.V.S.S.Krishna Kumar
2	Ch.VidyaSagar	M.V.N.D.HariKiran	T.P.V.Ranganadhan.
3	B.Suresh	N.Suryanarayana(co-guide)	Y.Ranganayakulu
4	P.Ramu Naidu	S.Appalacharyulu(co-guide)	Ch.Venkata Kishore
5			N.MohanaRao
6			M.Anil Kumar
7			V.Niranjan
8			K.AppajiRao
9			P. VenkataRamana(M.Phil)

No. of research publications in National and International Journals: 102

- 1 Lakshmi Narayana Sharma Konidena, Sathish Kumar Boda, Suresh Kumar Chettu, Kumaraswamy Sorra, Sreenivas Enaganti, Praveena Mukkavilli, N. S. Kameswara Rao, P. V. Anantha Lakshmi, **Raghu Babu Korupolu**. Synthesis, biological evaluation and molecular docking studies of novel 2-(2-cyanophenyl)-N-phenylacetamide derivatives. Res Chem Intermed <https://doi.org/10.1007/s11164-018-3434-9>. Published online: 17-April 2018 Springer.
- 2 Suresh Kumar Chettu, Lakshmi Narayana Sharma Konidena, **Korupolu Raghu Babu**, N.S. Kameswara Rao, Raju Doddipalla, Hima Bindu Gandham, Ramakrishna Guduru. Ring opening of benzoxazinones: An improved and efficient synthesis of clavastatins A & B. **Tetrahedron Letters** **58** (2017) **3418–3420**. <http://dx.doi.org/10.1016/j.tetlet.2017.07.059> 0040-4039/ 2017 Elsevier Ltd.
- 3 Vasubabu Gorantla, Rambabu Gundla, Surender Singh Jadav, Sreenivasa Reddy Anugu, Jithendra Chimakurthy, Kameswara Rao NS, and **Raghubabu korupolu***. New Anti-Inflammatory Hybrid N-Acyl Hydrazone-Linked Isoxazole Derivatives as COX-2 Inhibitors: Rational Design, Synthesis and Biological Evaluation. Chemistry Select 2017, 2, 80918100. Volume 2, **ChemistrySelect**.
- 4 Vasubabu Gorantla, Rambabu Gundla, Surender Singh Jadav, Sreenivasa Reddy Anugu, Jithendra Chimakurthy., Satya Kameswararao Nidasanametla and **Raghu Babu Korupolu*** A Molecular hybrid design, synthesis and biological evaluation of N-phenyl sulfonamide linked N-acyl hydrazone derivatives functioning as COX-2 inhibitors: new anti-inflammatory, anti-oxidant and anti-bacterial agents. The Royal Society of Chemistry and the Centre National de la Recherche Scientifique 2017 **New J. Chem**.
- 5 **Raghu Babu Korupolu**, Suri Babu Madasu, Srividhya Maripi*. Nano Nickel-Cobalt Ferrite Catalysed One-Pot Multi-Component Synthesis of Xanthenediones and Acridinediones. **Green and Sustainable Chemistry**, 2017, 7, 70-84. ISSN Online: 2160-696X. ISSN Print: 2160-6951.
- 6 **Raghu Babu Korupolu**, Srividhya Maripi *, Suri Babu Madasu, Ravi Kumar Majji, Ravi Kumar Ganta And Pandu Naidu Chilla. Nano Nickel-Cobalt Ferrite Catalyzed One Pot Synthesis of 14-Aryl-14H-dibenzo[a, j]xanthenes and 12-Aryl-8, 9, 10, 12-tetrahydrobenzo[a]xanthene-11-one Derivatives. **Oriental Journal Of Chemistry**. ISSN: 0970-020 X CODEN: OJCHEG 2017, Vol. 33, No. (1): Pg. 122-133
- 7 Lakshmi Narayana Sharma K, Suresh Kumar Chettua, Krishna Reddy Valluru, N. S. Kameswara Rao, Kumara Swamy Sorra and **Korupolu Raghu Babu**. Pd (0) catalyzed

tandem synthesis of N-aryl Quinolinone-3-carboxylate derivatives: Their anti-proliferative activity(Paper Communicated)

- 8 Suresh Kumar Chettu, Rajesh BagepalliMadhu, Gajendrasinh Balvantsinh Raolji, **Korupolu Ragh Babu,etc.** First total synthesis of cyclodepsipeptidesclavatuside A and B and their enantiomers.The Royal Society of Chemistry 2016 **RSC Adv.**, 2016, 6, 61555–61565
- 9 N. Sreenivas* ,**K. Ragh Babu** , S. Paul Douglas , VundavilliJagadeesh Kumar*, K. S. R. Pavan Kumar, U. K. Ray , K. V. S. N. Raju and Hemant Kumar Sharma.Determination of Genotoxic impurities in a nootropic drug, Rivastigmine tartrate by GCMS.**Journal of Chemical and Pharmaceutical Research**, 2016, 8(6):415-422
- 10 Paul D. Sanasi*, Ravi K. Majji, SwathiBandaru, Satyanarayana Bassa, SurekhaPinninti, SruthiVasamsetty, **Ragh B. Korupolu.**Nano Copper Ferrite CatalyzedSonochemical, One-Pot Three and Four Component Synthesis of Poly Substituted Imidazoles.Modern Research in Catalysis, 2016, 5, 31-44
- 11 SwathiBandaru, Ravi K. Majji, Satyanarayana Bassa, Pandu N. Chilla, Ramesh Yellapragada, SruthiVasamsetty, Rajendra K. Jeldi, **Ragh B. Korupolu**, Paul D. Sanasi*Magnetic Nano Cobalt Ferrite Catalyzed Synthesis of 4H-Pyrano[3,2-h]quinoline Derivatives under Microwave Irradiation.Green and Sustainable Chemistry, 2016, 6, 101-109
- 12 P. V. S. R. Mohana Rao, **Ragh Babu K** , Ch. V. R. Murthy and M. L. N. Acharyulu.Spectrophotometric determination of methoxamine hydrochloride using NQS and brucine metaperiodate. Der Pharmacia Lettre, 2016, 8 (5):354-361
- 13 P.V.S.R.Mohanarao,**RaghBabu.K**,Ch.V.R.Murthy,M.L.N.Acharyulu.Analytical Application Of E.B.T In Spectrophotometric Determination Of EletriptanHydrobromide.Innovare Journal of Sciences. Vol 4, Issue 2 , 2016.ISSN:2321-5496
- 14 **K.RaghBabu**,K.SandhyaRani,M.SriVidhya.Extractive Visible Spectrophotometric Method For Determination Of OlmesartanMedoxomiland Valsartan In Pharmaceutical Formulations. nternational Journal of Engineering Applied Sciences and Technology, 2016 Vol. 1, Issue-2, ISSN No. 2455-2143, Pages 10-14
- 15 **K.RaghBabu**,K.Sandhya Rani.Spectrophotometric Determination Of OlmesartanMedoxomil Using Sodium Nitroprusside As Chromogenic Reagent" in ISSN NO: 2231-6876 Indo American Journal of Pharmaceutical Research

- 16 **K.RaghuBabu**,K.SandhyaRani.Spectrophotometric Determination Of OlmesartanMedoxomil In Bulk And Pharmaceutical Formulations By Chloramine – T And Galloicyanine" in ISSN NO: 2231-6876 Indo American Journal of Pharmaceutical Research
- 17 **K.RaghuBabu**,K.Sandhya RaniSpectrophotometric Determination Of OlmesartanMedoxomil Using Sodium Nitroprusside As Chromogenic Reagent" in ISSN NO: 2231-6876 Indo American Journal of Pharmaceutical Research.
- 18 **K.RaghuBabu**,K.Sandhya Raniand M.SriVidhya.A Novel Method for Estimation of Valsartan in Bulk and Pharmaceutical Preparations by Visible Spectrophotometry" in Vol.:5, Issue:1 International journal of pharmacy and pharmaceutical research
- 19 **K.RaghuBabu**,K.Sandhya Rani. Extractive Visible Spectrophotometric Method For Determination Of OlmesartanMedoxomiland Valsartan In Pharmaceutical Formulations" in Vol. 1, Issue-2, ISSN No. 2455-2143, Pages 10-14 International Journal of Engineering Applied Sciences and Technology
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