



CURRICULUM VITAE OF

Prof.K.SUDHAKAR BABU,F.I.C.C.E

(e-mail: drksbabu9@gmail.com)

(CRSI-IISC., NATIONAL BEST TEACHER AWARDEE)

EXECUTIVE COUNCIL MEMBER, S.K.UNIVERSITY

Name : Dr. K. SUDHAKAR BABU

Date of Birth : November 14th, 1961

Birth Place : D.Cherlopalli, Anantapuram District (A.P)

Nationality/Religion/Caste : Indian-Hindu-Kamma

Designation : **Professor of Chemistry**

Department : Department of Chemistry, S.K.University
ANANTAPUR-Andhra Pradesh

Father's Name : K.K. Adinarayana Chowdary

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Area of Specialization : INORGANIC CHEMISTRY
ENVIRONMENTAL CHEMISTRY

Academic Qualifications : M.Sc., M.Phil., Ph.D

TEACHING EXPERIENCE : 23 years

RESEARCH EXPERIENCE : 23 years

RESEARCH GUIDANCE: Working Scholars : FIVE
Ph.D Awardees : FOURTEEN
M.Phil Awardees : FIVE
RESEARCH PROJECTS COMPLETED : THREE

- [1] UGC Major Research Project entitled
“Study of Inorganic Pollutants in Rayalaseema area in A.P.”(2004)
- [2] ISRO – ADDON Project entitled
“Study of Air Space Pollutants in Rayalaseema region, A.P.”(2005)
- [3] UGC (Sanctioned Lr.F.No.37-344/2009(SR) Amount Rs.9,31,355 lakhs)

Title of the project: “Selective Characterization of Industrial Hazardous Wastes
In Rayalaseemaregion (Focus on Environmental Remedial
Measures- 2010-2013)

RESEARCH PUBLICATIONS : ONE HUNDRED FIVE (105)
(NATIONAL AND INTERNATIONAL)

BOOKS PUBLISHED: (NEW DELHI AUTHORISED PUBLISHERS)

1. “INSIGHTS INTO ENVIRONMENTAL CHEMISTRY”
2. “ENVIRONMENTAL NANO TECHNOLOGY”
3. “NATURAL PRODUCT BASED SURFACTANTS”
4. “ADVANCED CHEMISTRY OF METALS”
5. “PHARMACEUTICAL CHEMISTRY”

MEMBERSHIP IN PROFESSIONAL BODIES

- [1] Life Member of **Electro Chemical Society of India**, Indian Institute of Science, Bangalore. & Governing Council Member, ECSI, IISc, Bangalore
- [2] Life Member of **Indian Council of Chemists**, Calcutta, India.
- [3] Life Member of **Association of Chemistry Teachers (ACT)**, BOMBAY.

- [4] Member of **Indian Chemical Society**, Calcutta, India.
- [5] Member of **Indian Science Congress Association**, Calcutta, India.
- [6] Member of **Governing Council of ECSI, IISC**, Bangalore.
- [7] Member of Society for Advancement of Electrochemical Science and Technology (**SAEST**), Karaikudi, Tamilnadu (F-1241).
- [8] **Fellow Member, International Congress of Chemistry and Environment.**
- [9] **Joint Secretary of Indian Association of Solid State Chemists and Allied Scientists** ISCAS- Jammu.
- [10] **Member of Executive Council, Vice-President, Southern Zone,** Association of Chemistry Teachers (**ACT-TIFR-MUMBAI**).
- [11] **Member of Board of Studies in Chemistry, S.K.UNIVERSITY,** ANANTAPUR
- [12] Member of Advisory Committee, **A.P National Green Corps – Govt. of A.P.**
- [13] Member of Board of Studies in Chemistry, Silver Jubilee Govt.College, Kurnool.
- [14] Elected as **Associate Fellow of A.P.Akademiy of Sciences, Govt. of A.P.**
- [15] **Fellow Member of American Chemical Society.**
- [16] **Member of Board of Studies, Dept. of Chemistry. Karnataka University, Dharwad. Karnataka**
- [17] **Member of Editorial Board, Journal of Electrochemical Society of India, (JECSI) Indian Institute of Science, Bangalore.**

Administrative Positions held:

- ✚ Worked as **Co-ordinator** for Dept.of Zoology, S.K.University PG Centre, Kurnool during the period **2007-2008** and contributed services for growth of department.
- ✚ **Joint Director, Directorate of Admissions, S.K.University, Anantapur** during the period i.e.**7-2-2011 to 25-1-2012** and successfully executed the complete process of M.Phil/Ph.D admissions as per UGC guidelines in the university campus.
- ✚ Holding additional charge as **Director I/C, Directorate of Admissions, S.K.University, Anantapur.** during the period i.e.**23-11-2011 to 25-1-2012**
- ✚ **Public Relations Officer**, S.K.University, Anantapur with effect from **16-6-2012 to 7-1-2014.**
- ✚ **Dean, PG Examinations, S.K.University** with effect from **26-8-2015 to 5-1-2016.**

✚ **HONOURS/AWARDS:**

- ✚ **BEST SCIENTIST AWARD CONFERRED BY BIRLA INSTITUTE -2010**
- ✚ ***NATIONAL BEST TEACHER AWARD CONFERRED ON MY NAME (FEBRUARY 5TH, 2011) IN RECOGNITION OF CONTRIBUTION TO CHEMICAL EDUCATION ON THE EVE OF INTERNAIONAL YEAR OF CHEMISTRY-2011(PRESENTED BY CRSI-INDIAN INSTITUTE OF SCIENCE, BANGALORE)***
- ✚ **RECEIPIENT OF ASIAN BIOGRAPHICAL CITATION AWARD,2014**
- ✚ **INTERNATIONAL BIOGRAPHICAL CITATION IN “EMERALD WHO’S WHO IN ASIA”-2014**
- ✚ **PRATIBHA PURASKAR AWARD-VISISTA SEVA PURASKAR AWARD CONFERRED BY GOVT. OF A.P ON THE EVE OF **AUGUST,2014** BY DISTRICT ADMINISTRATION, ANANTAPUR(A.P) IN RECOGNITION OF CONTRIBUTION TO SOCIAL ACTIVITIES.**
- ✚ **NOMINATED AS **EXECUTIVE COUNCIL MEMBER** OF SRI KRISHNADEVARYA UNIVERSITY, ANANTAPUR BY GOVT.OF A.P.**

CONTRIBUTION TO EXTENSION ACTIVITIES:

- ✚ Acting as Executive Council Member, Association of Chemistry Teachers, (ACT) Southern Zone (Head Quarters, HBCSE, TIFR, Mumbai) for last fourteen years, representing eight states in India which includes Andhra Pradesh, Telangana, Karnataka, Tamil Nadu, Kerala, Union Territories of Pondicherry and Lakshadweep.
- ✚ Organised 27 National Seminars and 4 International Olympiad Awareness Programmes for benefit of college teachers and student community all over the country.
- ✚ Completed three major research projects related to environmental pollution studies funded by UGC and ISRO organization.
- ✚ Actively involved in IACT (Indian Association of Chemistry Teachers) activities all over the country by conducting chemistry related workshops, theme seminars, symposia in the context of social relevance and also organized International Chemistry Olympiad Entrance examinations regularly in different parts of the country for the benefit of research scholars, students and teachers belonging to chemistry fraternity from time to time.
- ✚ Actively engaged in conducting environmental awareness programmes for well-being of all sections of the people in the society as a Fellow Member of International Congress of Chemistry and Environment.
- ✚ Acting as Resource person in Orientation Programmes and delivered the lectures in UGC/DST sponsored National Symposia/Workshops/Seminars, mainly on different topics related to chemistry and environmental sciences
- ✚ Continuously serving for promoting excellence in Chemistry Education and Research in different capacities apart from his continuous contribution to the Popularization of science in rural areas all over the country.
- ✚ **ABROAD VISIT:** Visited National University of Singapore (NUS) during the period July 10-12th, 2015 and had good interaction with Chemistry fraternity in the context of environmental pollution studies

RESEARCH PUBLICATIONS (NATIONAL AND INTERNATIONAL)-(105)

1. R.Sreenivasulu, **K.SudhakarBabu*** and B.HariHaranath, "*Electrochemmical Reduction of Salicylaldehyde-Tris(hydroxymethyl) methylaminee*", Journal of the Electrochemical Society of India Vol.40, No.1, January **1991**, ISSN: 0013-466X
2. R.Sreenivasulu, **K.SudhakarBabu*** and B.Hariharanath "*Polarographic Determination of Stability constants of Lead(II)-(4-amino antipyrine) complex*", reprinted from the Transactions of the SAEST, Vol. 26, No.4, **1991**
3. R.Sreenivasulu*, **K.SudhakarBabu*** and B.HariHarinath "*Detection of Formation of Polynuclear complexes*", reprinted from the Transactions of the SAEST, Vol. 26, No.4, **1991**
4. R.Sreenivasulu, B.Hariharanath &**K.SudhakarBabu*** "*Effect of pH on Kinetic Parameters of Copper complexes – A Polarographic Study*"**Bulletion of Electrochemistry** 7(5) May **1991**, pp 235-236, 0256-1654/91, (Impact Factor: 0.24).
5. K.MohanaRaju, Y.Murali Mohan, M.PadmanabhaRaju, J.Sreeramulu and **K.SudhakarBabu***, "*Preparation of New Hydroxyl Terminated PGAs as High Energistic Propellant Binders*" **Proceedings of ICCE-2001**
6. J.Sreeramulu, **K.SudhakarBabu*** and R.Sreenivasulu, "*Comparison of Stability constants of Cadmium New Azomethine Complex – A Polarographic Study*"**J. Electrochem Soc. India**Vol. 52-3 (**2003**) 126-131, ISSN: 0013-466X
7. J.Sreeramulu,R.Srinivasuluand and **K.SudhakarBabu*** "*Polarographic Study Zinc(II)-4-Amino Antipyrine) Complex*"**J. Electrochem Soc. India** Vol.52 – 4 (**2003**) 137-139, ISSN: 0013-466X
8. **K.SudhakarBabu***, R.Sreenivasulu, J.Sreeramulu, and K.Shantha, "*Polarographic Study of Pb(II)-OVT Complexes*"**J. Electrochem Soc. India** Vol.53 – 1 (**2004**) 30-32, ISSN: 0013-466X
9. **K.SudhakarBabu***, R.Sreenivasulu, J.Sreeramulu, and K.Shantha, "*Polarographic Study of Pb(II)-OVT Complexes*"**J. Electrochem Soc. India** Vol.53 – 1 (**2004**) 30-32, ISSN: 0013-466X, (Impact Factor: 1.021).

10. **K.SudhakarBabu***, "Environment Protection A Global Challenge to Chemists" **NCCT – 2007 & CHEMVISION 2020**
11. Dr.N.T.K.Naik and **Dr.K.SudhakarBabu***, "Environmental Effects of Economic Growth", **KISAN WORLD 2007**
12. K.SreenivasaRao, T.V.RamakrishnaRao, R.Ramakrishna Reddy and **K.SudhakarBabu***, "Modeling of aerosol mass-size distributions at semi-ARID environment based on markov model & PARETO analysis", **International Journal of Physical Sciences (Inter-Disciplinary Journal) Ultra Science Vol. 19(2)M, 401-406 (2007)**, ISSN: 0970-9150, (Impact Factor:0.794).
13. **K.SudhakarBabu***, R.Sreenivasulu, and K.Shantha, "Polarographic Study of Palladium(II)-AMP Complex system", **J. Electrochem Soc. India Vol.58 – 1/2 (2009) 8-11**, ISSN: 0013-466X
14. **K.SudhakarBabu***, K.Jyothi, J.Sreeramulu, and L.K.Ravindranath, "Polarographic and Cyclic Voltammetric behavior of N'(2-hydroxy benzoyl)-3,5-dimethyl-4-(4-substituted benzeneazo) pyrazoles", **J. Electrochem Soc. India Vol.53 – 1 (2009) 25-29**, ISSN: 0013-466X
15. **K.SudhakarBabu***, S.Anil Kumar, Y.N.Spoorthy and L.K.Ravindranath, "Effect of temperature and evaluation of kinetic parameters for the Electrochemical behavior of a-oximino ketones", **J. Electrochem Soc. India Vol.58 – 3/4 (2009) 64-68**, ISSN: 0013-466X
16. **K.SudhakarBabu***, K.Shantha, R.Srinivasulu, Y.N.Spoorthy and L.K.ravindranath, "Electrochemical behavior and Simultaneous Determination of Copper(II); Nickel(II) and Zinc(II) at a Dropping Mercury Electrode in the presence of 2-amino-2-methyl-1-propanol", **J. Electrochem Soc. India Vol.58 – 3/4 (2009) 95-97**, ISSN: 0013-466X
17. PrabhaSriniviasu, Devarakonda V.SubbaRao, Raju V.K. Vegesna and **K.SudhakarBabu***, "A validated stability-indicating LC method for acetazolamine in the presence of degradation products and its process-related impurities", **Journal of Pharmaceutical and Biomedical Analysis 52 (2010) 142-148**ISSN: 0731-7085 (ELSEVIER)(Impact Factor: 2.853).

18. PrabhaSrinivasu, Devarakonda V.SubbaRao, Raju V.K. Vegesna and **K.SudhakarBabu***, "A Validated Stability-Indicating LC Method for Fluocinonide in the presence of degradation products, its process-related impurities and Identification of Degradation Products", **American Journal of Analytical Chemistry**, 2010, 1,113-126 ISSN: 2156-8251, (SCIENTIFIC RESEARCH)
19. SomisetiNarenderRao, Devarasetty Sitaramaiah, ChallaNageswar Rao, PeddiSrinivasaRao and **K.SudhakarBabu***, "Commercial Scalable process for the preparation of Irbesartan intermediate", **Rasayan J. Chem.** Vol.3, No.4 (2010), 681-389, ISSN: 0974-1496, (Impact Factor: 0.484).
20. A.Muralidhar, **K.SudhakarBabu***, T.Ravi Shankar, P.Reddanna, G.V.Reddy and J.Latha, "In Vitro and in Vivo Anti Inflammatory activity of ButeaMonosperma Stem Bark Extract", **International Journal of Pharmacy & Therapeutics.** 1, 2010, 44-51, ISSN: 0976-0342, (Impact Factor: 2.104).
21. A.Muralidhar, **K.SudhakarBabu***, T.Ravi Shankar, P.Reddanna, G.V.Reddy and J.Latha, "Anti Inflammatory activity of Flavonoid Fraction Isolated from the Stem Bark of ButeaMonosperma (LAM): A mechanism based study", **International Journal of Phytopharmacology.** 1(2), 2010, 124-132, ISSN: 0975-9328
22. AvulaMuralidhar, **K.SudhakarBabu***, T.Ravisankar, P.Reddanna and J.Latha, "Evaluation of wound healing properties of bioactive fractions from the extract of Buteamonosperma (lam) stem bark", **International Journal of Phytomedicine** 3 (2011) 41-49, ISSN: 0975-0185, (Impact Factor: 0.89).
23. SomisetiNarenderRao and **K.SudhakarBabu***, "An improved and efficient synthesis of Irbesartan, an antihypertensive drug", **Organic Communication**, (2011), 4:4 105-111.
24. Narender Rao Somiseti, Veeraiah Mynam, Nageswar Rao Challa, Somaiah Sripathi, Raju Veeramalla, Srinivasa Rao Peddi and **K.SudhakarBabu***, "An improved process for the preparation of (S,S)-2,8-diazabicyclo [4,3,0] nonane, a key intermediate of moxifloxacin hydrochloride", **Organic Chemistry an Indian Journal OCAIJ**, 7(2), 2011 [123-129], ISSN: 0974-7516

25. SomisetiNarenderRao, DevarasettySitaramaiah, KemaSrimannarayana, ChallaNageswar Rao, PeddiSrinivasa Rao and **K.SudhakarBabu***, “*Synthesis and Characterization of Potential impurities of Carvedilol, an Antihypertensive Drug*”, **Synthetic Communication^R**, 41: 85-93, **2011**, ISSN: 0039-7911, (Taylors and Francis), (Impact Factor: 1.060).
26. Venkataramanna Madireddy, **Kondra SudhakarBabu*** and P.Narayanareddy, “*Stability-indicative, validated, fast HPLC method for quantification of two genotoxic impurities in imatinibmesylate*”, **Global Journal of Analytical Chemistry** Volume 2, Issue 5, **2011**
27. Madireddy Venkataramanna, Indukuri Venkata Somaraju and **KondraSudhakarBabu***, “*Identification of Degradant Impurity in Gefitinib by Using Validated RRLC Method*”, **American Journal of Analytical Chemistry**, **2011**, 2, 75-83, ISSN: 2156-8251, (SCIENTIFIC RESEARCH) (Impact Factor: 0.37).
28. Sunil Pingili Reddy, **K.SudhakarBabu***, Navneet Kumar and Y.V.V.Sasi Sekhar, “*Development and validation of stability indicating the RP-HPLC method for the estimation of related compounds of guaifenesin in pharmaceutical dosage forms*”, **Pharmaceutical Methods** Vol. 2, Issue 4, 229-234, **2011**, ISSN: 2229-4708
29. P.Srinivasu, **K.Sudhakar Babu*** and J.Sreeramulu, “*Identification, Characterization of Degradation component in Desoximetasone Pharmaceutical dosage forms and its Quantification in the presence of process related impurities*”, **Journal of Liquid Chromatography & Related Technologies**, 35: 1114-1129, **2012**, ISSN: 1082-6076, (Impact Factor: 1.272).
30. SrinivasuPrabha, Raju V.K. Vegesna, and **SudhakarBabu K***, “*Identification of Degradation Components in Lindane Pharmaceutical Dosage Forms by GC-MS and their Quantification by GC-ECD*”, **Current Pharmaceutical Analysis**, **2012**, 8, 389-400, ISSN: 1573-4129/12, (Impact Factor: 4.90).
31. Venkataramanna.M, **K.SudhakarBabu*&** Anwar Sulaiman KC, “*A Validated Stability-Indicating UF LC Method for Bortezomib in the presence of Degradation products and its process-related Impurities*”, **International Journal of Life Science & Pharma Research**, Vol.2/Issue 1 / Jan-Mar **2012**, ISSN: 2250-0480

32. **Kondra SudhakarBabu***, Venkataramanna Madireddy, and Venkata Somaraju Indukuri, “*Degradation Pathways for Eplerenone by Validated Stability Indicating UP-LC Method*”, **International Scholarly Research Network**, **2012**, Article ID 251247, 5 pages, (Impact Factor: 0.3).
33. SomisetiNarenderRao, T.Ravisankar, J.Latha and **K.SudhakarBabu***, “*Synthesis, characterization and antimicrobial activity of novel biphenyl tetrazoles*”, **Scholars Research Laboratory Der PharmaChemica**, **2012**, 4(3): 1093-1103, ISSN: 0975-413X, (Impact Factor: 0.38).
34. P.Sunil Reddy, **K.SudhakarBabu***, Navneet Kumar and P.Balakrishna, “*A validated stability indicating ion exchange Chromatographic method for the quantification of Alendronate, Phosphate in Alendronate Sodium tablets and analysis of In-Vitro dissolution samples*”, **J. Chil. Chem. Soc.**, 58, N^o 3 1232-1236, **(2012)** (Impact Factor: 0.78).
35. UgandharRaju D, Raghavendra HG, Sridhar C, Suresh Kumar SV, Sivarami Reddy Y, Udayasree K, TrimurtuluGolakoti and **SudhakarBabu K***, “*Anti-Arthritic Activity of Methanolic Extract of Leaves of AnnonaCherimola*”, **Int. J. Pharmacol. Bio. Sci.**, Vol. 6(2) 35-44, ISSN: 0973-6808, (Impact Factor: 0.47).
36. P.Sunil Reddy, **K.SudhakarBabu***and Navneet Kumar, “*Development and Validation of a Stability-Indicating RP-HPLC Method for the Simultaneous Estimation of Process Related Impurities and Degradation Products of RasagilineMesylate in Pharmaceutical Formulation*”, **Journal of Chromatographic Science Advance Access**, 00:1-8, **2012**, (Impact Factor: 1.2).
37. SomisetiNarenderRao, SripathiSomaiah, T.Ravisankar and **K.SudhakarBabu***, “*Synthesis and Characterization of Impurities of an Anticonvulsant Drug, Lamotrigine*”, **International Journal of Pharmacy and Pharmaceutical Sciences**, Vol 4, Issue 1, **2012**,ISSN: 0975-1491, (Impact Factor: 1.1).
38. **K.SudhakarBabu*** and K.Shantha, “*Simultaneous Polarographic Determination of Copper and Zinc in synthetic samples (2-amino-2-methyl-1-propanol as complexing agent)*”, **J. Electrochem Soc. India**, Vol.61 – 1 - **(2012)** 29-31, ISSN: 0013-466X, (Impact Factor: 1.021).
39. **K.SudhakarBabu***, K.Shantha and K.HariNagamaddaiah, “*Electrochemical Study of Zinc(II)-(AMP) Complex System*”,**J. Electrochem Soc. India**, Vol.61 – 1 - **(2012)** 9-11,ISSN: 0013-466X, (Impact Factor: 1.021).

40. **SudhakarBabu Kondra***, Venkataramana Madireddi, Mohanreddy Chilukuri, Narayanareddy Papadasu and Latha, “A Validated Stability-Indicative UPLC Method for Nilotinib Hydrochloride for the determination of process-related and degradation impurities”, **Journal of Chromatographic Science**,(2013), 1-6 (Impact Factor: 0.954).
41. P.Sunil Reddy, **K.SudhakarBabu*** and Navneet Kumar, “A Validated Normal Phase LC Method for Enantiomeric Separation of RasagilineMesylate and Its (S)-Enantiomer on Cellulose Derivative-Based Chiral Stationary Phase”, **Chirality (2013)**, (Impact Factor: 2.3).
42. P.Sunil Reddy, **K.SudhakarBabu*** and Navneet Kumar, “A validated RP-HPLC method for the determination of Irinotecan hydrochloride residues for cleaning validation in production area Method RP-HPLC validadopara determinacion de residuos de IrinotecanHidrocloruro para la validacion de la limpieza en el area de production”, **RevistaCubana de Farmacia, 2013**; 47(1): 41-50, (Impact Factor: 0.30).
43. UgandharRaju D, **SudhakarBabu K***, Raghavendra HG, Sridhar C, Suresh Kumar SV, UdayaSree K, and TrimurtuluGolakoti, “Phytochemical Constituents, Anti-Inflammatory and Analgesic Effects of Methanol extract of leaves of AnnonaCherimola”, **PharmacieGlobale International Journal of Comprehensive Pharmacy (IJCP), 2013**, Vol. 04, Issue 02, ISSN: 0976-8157
44. Ravinder Goud Puligoundla, Shuklachary Karnakanti, Rajashaker Bantu, NagaiahKommu**SudhakarBabuKondra*** and LingaiahNagarapu, “A simple, convenient one-pot synthesis of [1,2,4]triazolo/benzimidazoloquinazolinone derivatives by using molecular iodine”, **Tetrahedron Letters 54(20) (2013) 2480-2483**, ISSN: 0040-4039 (ELSEVIER), (Impact Factor: 2.397).
45. M.R.R.Prasad and **K.SudhakarBabu***, B.Sreedhar, M.Amarnath Reddy and D.Keerthi Devi, “Thermal Decomposition of Ammonium per chlorate –Tetra Methyl Ammonium Tetrafluoroborate Mixture: a simultaneous TG-MS Approach”, **Journal of Chemistry and Chemical Sciences**, Vol.3, Issue (3), 213-220, (2013)
46. M.R.R.Prasad and **K.SudhakarBabu***, “Thermal Decomposition of Tetrabutylammonium – tetrafluoroborate, hexafluorophosphate and perchlorate”, **Journal of Applicable Chemistry 2013**, 2(4): ISSN: 2278-1862, (Impact Factor: 1.2910).

47. **K.SudhakarBabu***, B.V.Prasad, K.V.Ramani and K.Hari Nagamaddaiah, “*Selective Characterization of Sludge Wastes generated in the Common Effluent Treatment Plants and suitability evaluation for Land Application – an investigation*”, **Journal of Applicable Chemistry** **2013**, 2(4):869-875, ISSN: 2278-1862, (Impact Factor: 1.2910).
48. **K.SudhakarBabu***, B.V.Prasad, K.V.Ramani and K.Hari Nagamaddaiah, “*Use of Hazardous Sludge Waste generated in the Common Effluent Treatment Plants as Fuels/Co-fuels – Viabilities with respect to total Organic Carbon, Calorific value and Ash content – an investigation*”, **Journal of Applicable Chemistry** **2013**, 2(4):882-886, ISSN: 2278-1862, (Impact Factor: 1.2910).
49. **K.SudhakarBabu***, T.RaviSankar, J.Latha, B.RamBabu and M.SwarnaKumari, “*Synthesis and Antibacterial activity of some Novel 1-piperdin-4-yl-1,3-dihydro-2H-benzimidazol-2-one analogs*”, **Journal of Applicable Chemistry** **2013**, 2(4):772-778, ISSN: 2278-1862, (Impact Factor 1.2910).
50. **K.SudhakarBabu***, M.SwarnaKumari, L.K.Ravindranath and J.Latha “*Synthesis, characterization and antimicrobial evaluation of novel compounds 8-(benzylideneamino)-3-chloro-6-(2,5-difluorobenzoyl)-1-((4-(trifluoromethyl) phenyl)amino)-1,6,7-triazaspiro[3,4]-oct-7-ene-2,5-dione*”, **Journal of Der PharmaChemica**, **2013**, 5(5):123-130 ISSN: 0975-413X, (Impact Factor 1.023).
51. **K.SudhakarBabu***, M.SwarnaKumari.,L.K.Ravindranath and J.Latha “*Synthesis, characterization and biological activity of 1,6,7-triasaspriothiazoliine,terazoles and azetidines*”, **Journal of Chemical and Pharmaceutical Research**, **2013**, 5(10):108-119 ISSN: 0975-7384, (Impact Factor 1.048).
52. **K.SudhakarBabu***, AvulaMuralidhar, T.Ravisankar, P.Reddanna and J.Latha “*Wound healing activity of flavonoid isolated from the stem bark of Buteamonosperma (Lam) in albino wistar rats*”**European Journal of Experimental Biology** **2013**, 2(6):1-6 ISSN: 2248-9215, (Impact Factor 0.835).
53. **K.SudhakarBabu** and M.R.R.Prasad “*Thermal decomposition of tetraethyl ammonium tetrafluoroborate*”, **Journal of Thermal Analysis and Calorimetry**, **Springer-November 2013**, ISSN: 1388-6150, (Impact Factor 2.042).

54. **K.Sudhakar Babu**, V.Krishnamurthy Naik, J.Latha and A.Muralidhar *Pharmacological And Phytochemical Study of Cardiospermum Helicacabum Linn Medicinal Plant*, **Journal of Applicable Chemistry** **2014**, 3 (3): 1224-123, ISSN: 2278-1862, (Impact Factor 1.2910).
55. **M.R.R. Prasad, K.Sudhakar Babu, B.Sreedhar and D.Keerthi Devi** “A simultaneous TG-DTG-DSC-quadrupole mass spectrometric study Thermal decomposition of benzyl-triethyl-ammonium tetrafluoroborate” **J.Them Anal Calorim (2014)** 116: 1027-1031, ISSN: 1388-6150, (Impact Factor 2.04).
56. Janupally Renuka, Kummetha Indrasena Reddy and **Kondra Sudhakar Babu and et al**, *Design and synthesis, biological evaluation of substituted benzofurans as DNA gyrase B inhibitors of Mycobacterium tuberculosis* **Bioorganic and Medicinal Chemistry, Volume 22, Issue 17 (2014)**, Pages 4924-4934, ISSN: , (Impact Factor).
57. Kummetha Indrasena Reddy, Konduri Srihari and ***Kondra Sudhakar Babu et al** “An efficient synthesis and biological screening of benzofuran and benzo[d]isothiazole derivatives for Mycobacterium tuberculosis DNA GyrB inhibition”, **Bioorganic and Medicinal Chemistry, Volume 22, Issue 23, (2014)**, Pages 6552-6563, ISSN: , (Impact Factor).
58. K.Hari Nagamaddaiah, J.Latha and ***K.Sudhakar Babu**, “Selective Characterisation and Microbial Analysis of Industrial Hazardous Effluents in Rayalaseema Region (A.P – INDIA)”, **Journal of Applicable Chemistry** **2014, 3(6): 2441-2447**, ISSN: , (Impact Factor 1.2910).
59. V. Krishnamurthy Naik, ***K. Sudhakar Babu** and J. Latha, “Preliminary Phytochemical and wound healing activity of Cardiospermum Helicacabum linn”, **Sci. Revs. Chem. Commun.:** 4(3), **2014**, 101-108, ISSN: , (Impact Factor).
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