



Prof GANDI CHANDRA SEKHAR

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Address: Proddatur ,Andhra Pradesh,India - 516630

Expertise

Research areas of interests are Thermodynamic and physical properties of non electrolytes. excess volumes, solid- liquid equilibria, vapour-liquid equilibria, excess enthalpies, viscosities, isentropic compressibilities. Calorimeter, differential scanning calorimeter, Interferometer, Gas chromatography, HPLC, IR, UV-Vis spectrophotometer, NMR, spectrophotometer. Grapher, Origin, Aspen. Computer fundamentals. Handling of PG Organic chemistry classes in addition to graduation classes.

Work experience

1. SCNR Govt. Degree College 2021 — Present

Principal
Y.S.R.

2. Government Degree College, Puttur 2015 — 2021

Associate Professor
Chittoor

Education

1. Ph.D. - 2005

Sri Venkateshwara University, TIRUPATI, AP

2. M.Phil., - 1992

Sri Venkateswara university

3. M.Sc., - 1989

S V University, Tirupati,AP

Honours and Awards

1. Adjudicator - 2017

District science coordinator (INSPIRE Acted as adjudicator in INSPIRE programme related to school education)

2. Dr. B.R Ambedkar open university study centre-coordinator,GDC,Puttur - 2017

Dr. B.R Ambedkar open university, Hyderabad

3. PG (organic chemistry) coordinator - 2017

Principal, Govt. degree cololege, Puttur

4. Academic advisor - 2014

Commissioner of collegiate education,VIJAYAWADA

5. NAAC coordinator , GDC, Kodur(RS),Kadapa (Dt) - 2014

Principal, Govt. degree cololege,Kodur

6. Dr. B.R Ambedkar open university study centre-coordinator,GDC,Kodur - 2013

Dr. B.R Ambedkar open university, Hyderabad

7. First rank in Physical chemistry - 1989

S V University, Tirupati.

Research Project

Thermodynamic and physical properties of liquid mixtures

Role: principal investigator
Year 2009, Amount 130000/-

Membership In Professional Bodies

1. IAENG, 2021
Member No: 162116)
2. IAENG- 162116, 2019
Member
3. INDIAN SCIENCE CONGRESS, 2017
member
4. International Association of Engineers(IAENG)- 162116, 2015
member
5. GCGTA, 2015
Member
6. INDIAN SCIENCE CONGRESS ASSOCIATION, 2014
MEMBER
7. Govt. College Gazetted Teachers Association, 2004
state councillor

Membership In Committees

1. SKR& SKR GOVT. DEGREE COLLEGE, KADAPA, AP, 2021
CHEMISTRY PAPER SETTER
2. S.K.R & S.K.R GOVT. COLLEGE FOR WOMEN (AUTONOMOUS), KADAPA,
2020
UG degree chemistry paper setter
3. College attendance committee, 2019
Convener

4. Y V University, Kadapa, 2019
paper setter (degree chemistry)
5. College Examination committee, 2018
Convener
6. Rayalaseema university, Silverjubilee Govt. college, Kurnool, 2018
Paper setter (degree chemistry)
7. Dravidian university, Kuppam, 2018
Paper setter degree chemistry
8. MSc, CHEMISTRY, 2017
PG Coordinator
9. CHEMISTRY, 2017
HOD
10. Examination, 2016
coordinator
11. Attendance committee, 2015
convenor
12. MANA TV, 2015
member
13. Dr B R AMBEDKAR OPEN UNIVERSITY, HYDERABAD, 2014
Chief examiner paper valuation

Publication

1. VALIDATED SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF NITROFURATOIN IN PURE AND IN ITS DOSAGE FORM
G CHANDRA SEKHAR
Strad research, Volume 11, Year 2024, Pages 200-2018
2. VALIDATED SPECTROPHOTOMETRIC METHOD FOR THE DETERMINATION OF CHLORAMPHENICOL IN PURE AND IN ITS DOSAGE FORM
G CHANDRA SEKHAR*
AEGAEUM JOURNAL, Volume 12, Year 2024, Pages 141-163

3. **Ultrasonic studies in the ternary mixtures: Water + iso-propanol +pyridine at 303.15 K**
P. Babu , N. Prabhakara Rao , G. Chandra Sekhar , P. Bhanu Prakash
CHEMICAL THERMODYNAMICS AND THERMAL ANALYSIS, Volume 5, Year 2022, Pages 5 (2022) 100032
4. **A REVIEW ON IONIC LIQUIDS-THEIR CLASSIFICATION, CHARACTERISTICS AND APPLICATIONS**
G CHANDRA SEKHAR
GIS SCIENCE, Volume 8, Year 2021, Pages 1043-1051
5. **ANTIBACTERIAL AND ANTIFUNGAL ACTIVITIES OF BOSWELLIA OVALIFOLIOLATA STEM BARK**
G CHANDRA SEKHAR
INTERNATIONAL JOURNAL OF EMERGING TECHNOLOGIES AND INNOVATIVE RESEARCH , Volume 6(4), Year 2019, Pages 174
6. **Phase equilibria for binary mixtures of Hexane with Orthoxylene, Metaxylene, and Nonane with Hexane at 101.3 kPa**
G.CHANDRA SEKHAR
Results in Chemistry, Volume Volume 1, January 2019, 100005, Year 2019, Pages 1 to 5
7. **Synthesis and Antimicrobial Activity of Novel Urea/Thiourea Derivatives**
G. Chandra Sekhar
Journal of Applicable Chemistry, Volume 8(2), Year 2019, Pages 546
8. **PHASE EQUILIBRIA FOR BINARY MIXTURES OF NONANE WITH OCTANE AND OCTANE WITH ORTHOXYLENE, METAXYLENE AT 101.3 kPa**
G CHANDRA SEKHAR
Asian Journal of Research in Chemistry and Pharmaceutical Sciences, Volume 7(1), Year 2019, Pages 114
9. **Spectrophotometric Determination of Metalazone and in its Commercial Formulations**
G CHANDRA SEKHAR
Compliance Engineering Journal, Volume 1, Year 2019, Pages 101-114
10. **Green Corrosion Inhibitors, Past, Present and Future (NSETCMES-2019)**
G.Chandra Sekhar, C. Nageswara Reddy, V. Prabhakar Rao A. Ramesh Babu & Kaveti Sudheer
nsetcmes-2019, Volume 1, Year 2019, Pages 166-177
11. **CARBON NANOTUBES-BASED GAS SENSORS FOR ENVIRONMENTAL MONITORING- A REVIEW**
V. PRABHAKAR RAO, A. RAMESH BABU, G. CHANDRA SEKHAR , C. NAGESWARA REDDY, M. LAVANYA
Proceedings Book of EMERGING TRENDS IN CHEMICAL, MATERIAL AND ENVIRONMENTAL SCIENCES (NSETCMES - 2019), Volume 1, Year 2019, Pages 103-117
12. **Synthesis and Spectral Characterization of Novel Organic Compounds**
GANDI CHANDRA SEKHAR
LAMBERT ACADEMIC PUBLISHING, Volume 978-3-330-34746-5, Year 2018, Pages Project ID: #160667
13. **Spectrophotometric determination of ametridione and in its commercial**

formulations

G CHANDRA SEKHAR

International journal of engineering sciences & research technology, Volume 7,3, Year 2018, Pages 572-79

14. Spectrophotometric determination of metalazone and in its commercial formulations

G CHANDRA SEKHAR

International journal of engineering sciences & research technology, Volume 6,5, Year 2017, Pages 770-78

15. Differential pulse voltammetric determination of Cinitapride using carbon paste electrode

G CHANDRA SEKHAR

International journal of engineering sciences & research technology, Volume 6,8, Year 2017, Pages 220-225

16. Spectrophotometric determination of bifenox and in its commercial formulations

G CHANDRA SEKHAR

International journal of engineering sciences & research technology, Volume 5,4, Year 2016, Pages 955-963

17. Novel and advanced materials (NTAM)

G CHANDRA SEKHAR

Winger publications, Volume 1, Year 2015, Pages 60-65

18. Green chemistry and technology for sustainable development basic principles and applications.

G CHANDRA SEKHAR

Paramount publishing house, Volume 1, Year 2015, Pages 144-150

19. Validation of HPLC method for the analysis of methotrexate in bulk drug and pharmaceutical dosage forms

G CHANDRA SEKHAR

Journal of Chemical and Pharmaceutical Research(JOCPR), , Volume 7,9, Year 2015, Pages 27,35

20. 1. The Thermophysical properties of binary organic liquid mixtures

Gandi Chandra Sekhar (Author), Chennupalli Nageswara reddy

Lambert academic publishing, Volume , Year 2014, Pages 1-276

21. UV/Vis Absorption Spectroscopy Theoretical Calculations on Starburst Triphenylamines: A Review.

G CHANDRA SEKHAR

RESEARCH AND REVIEWS JOURNAL OF CHEMISTRY, Volume 3,2, Year 2014, Pages

22. Synthesis of Novel -2-(benzo[d][1,3] dioxol-5-yl)-5-fluoro-4-Phenylquinolines as Antibacterial Agents

G CHANDRA SEKHAR

23. **Excess Molar Volumes of Organic liquid Mixtures of N, N-Dimethyl Acetamide with 2-Alkoxyethanols at 308.15 K.**
G CHANDRA SEKHAR
International journal of pharmaceutical & research sciences, Volume JANUARY, Year 2014, Pages
24. **Isolated and synthesis of synthetic analogues of forskolin**
C.Nageswara Reddy
International Journal of Current Pharmaceutical Research, Volume 5, Year 2013, Pages 124-127
25. **Facile Synthesis of 2H-3-Chromeneimines and 3, 5-Dibenzylidene-1-Prop-2- Ynyl-Piperidin-4-Ones.**
G CHANDRA SEKHAR
RESEARCH AND REVIEWS JOURNAL OF CHEMISTRY, Volume 2,2, Year 2013, Pages APR-JUNE-2013
26. **Electro analysis of Chemotherapeutic drug zolinza in pharmaceutical and Biological samples by using cyclic voltametry**
G CHANDRA SEKHAR
International journal of Analytical, Pharmaceutical and Biomedical Sciences, Volume 2,4, Year 2013, Pages
27. **Excess molar volumes of N,N-dimethylformamide + 2-pentanone + alkan-1-ols mixed solvent systems at 303.15 K**
G CHANDRA SEKHAR
thermochimica acta, Volume 443, Year 2006, Pages 62
28. **Ultrasonic Studies of N,N-dimethylformamide + Cyclohexane + 1-Alkanols at 303.15 K**
G CHANDRA SEKHAR
PHYSICS CHEMISTRY OF LIQUIDS, Volume 44, Year 2006, Pages 287
29. **Ultrasonic velocities and isentropic compressibilities of N-methyl-2-pyrrolidone with ketones and branched alcohols at 303.15 K**
G CHANDRA SEKHAR
PHYSICS CHEMISTRY OF LIQUIDS, Volume 44,6, Year 2006, Pages 701
30. **Excess molar enthalpies of N,N-dimethylacetamide with substituted benzenes at 298.15 K**
Chandra Sekhar, G. C.;Prabhakara Rao, M. V.;Prasad, D. H.L.;Ravi Kumar, Y. V.L.
thermochimica acta, Volume 402, Year 2003, Pages 99-103
31. **Excess volumes and speeds of sound of N- methyl 2- pyrrolidone with chloroethanes and chloroethenes at 303.15 K**
G CHANDRA SEKHAR
Journal of Chemical Engineerig Data, 47, 425 (2002), Volume 47, Year 2002, Pages 425
32. **Solid-liquid equilibria of long chain n-alkanes (C18-C28) in N,N-**

dimethylacetamide

G CHANDRA SEKHAR

Fluid phase equilibria, Volume 201, Year 2002, Pages 219

33. Excess molar volumes and speeds of sound of N,N-dimethylacetamide with chloroethanes and chloroethenes at 303.15 K

Sekhar, Gandhi Chandra;Venkatesu, Pannuru;Venkata, Murari;Rao, Prabhakara

Journal of chemical engineering data, Volume 46, Year 2001, Pages 377

34. Ultrasonic studies of binary mixtures of N,N-dimethylacetamide with ketones at 303.15 K,

G. Chandra Sekhar

Journal of Acoustical Society of India, Volume 28, Year 2000, Pages 341

35. Ultrasonic studies of binary mixtures of water + iso propanol; water + pyridine; isopropanol + pyridine at 303.15 K

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Indian Journal of Pure & Applied Physics , Volume 38, Year 2000, Pages 88

36. Molar volumes and speed of sound of Excess ethylacetate and butylacetate with 2- alkoxyethanol at 308.15 K

Gandhi chandra sekhar

Journal of chemical engineering data, Volume 45, Year 2000, Pages 590

37. Solid-liquid equilibria of n-alkanes in N,N-dimethylformamide

Venkatesu, P.;Sekhar, G. Chandra;Rao, M. V.Prabhakara;Hofman, T.;Domanska, U.

JOURNAL OF CHEMICAL ENGINEERING DATA, Volume 45, Year 2000, Pages 177

38. Excess viscosities of organic liquid mixtures of ethylacetate or butylacetate with 2- alkoxyethanols

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Journal of Teaching and Research in Chemistry. , Volume 3(2), Year 1996, Pages 50