**IDEAL COLLEGE OF ARTS & SCIENCES: P.G.COURSES**

**KAKINADA**

**P.G.DEPARTMENT OF CHEMISTRY**

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**PROFILE**

1. Name : **TATAKUNTLA SATYANARAYANA**
2. Address with E-mail and Mobile Nos. :

Official Address : **Ideal College of Arts & Sciences, P.G.Courses,**

**Vidyutnagar,Kakinada-533003**

Permanent Address : **F-3,Sanju Towers,Venkat Nagar,Kakinada-533003**

**E-mail :** [**sntatakuntla@gmail.com**](mailto:sntatakuntla@gmail.com)

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1. Nationality : **Indian**
2. Date of Birth : **15-05-1961**
3. Educational Qualification :

(from UG onwards)

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| --- | --- | --- | --- | --- |
| **S.No.** | **Qualification** | **University/Institute** | **Specialization** | **Other remarks** |
| 1 | B.Sc., | Andhra University | Chemistry (Main) Maths & Physics(Anci.) | Ist Class |
| 2 | M.Sc., | Andhra University | Analytical Chemistry | Ist Class |
| 3 | M.Phil | Andhra University | Chemistry | Ist Class |
| 4 | Ph.D., | Andhra University | Chemistry |  |

1. (A) Details of Doctoral Thesis :

Area of Thesis work **: Fast Reaction Kinetics**

Title of thesis :**KINETICS AND MECHANISM OF OXIDATION OF**

**BIS(2,2’,6’,2”-TERPYRIDINE)IRON(II) AND**

**BIS(2,4,6-TRIPYRIDYL-1,3,5-TRIAZINE)IRON(II).**

(B) Details of M.Phil Dissertation :

Area of Thesis work **: Kinetic Methods of Analysis**

Title of Dissertation :**Determination of some aminopolycarboxylic acids by**

**kinetic method.**

1. Professional Experience :

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| --- | --- | --- | --- | --- |
| **S.No.** | **Institute/Organization** | **Position held** | **Date of joining** | **Duration** |
| 1 | Ideal College of Arts and Sciences,P.G.Courses | Lecturer | 4.11.1993 | 16 years |
| 2 | Ideal College of Arts and Sciences,P.G.Courses | Reader | 20.02.2010 | 5 years |
| 3 | Ideal College of Arts and Sciences,P.G.Courses | Professor | 01.10.2015 |  |

**8. Research Experience**

1. **M.Phil Scholars guided :**

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| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Name of the Research Scholar** | **Title of the Dissertation** | **Year of Award of M.Phil** | **University/Institute who has awarded the Degree** | **Supervisor/Co-Supervisor** |
| 1 | D.Rama Rao | Impact of salt water intruision on ground water quality of Kakinada Urban. | 2008 | Madurai Kamaraj University,Madurai | Dr.T.Satyanarayana |
| 2 | A.Ramalingeswara Rao | Heavy metal contamination and its toxcity in ground waters of YANAM | 2009 | Madurai Kamaraj University,Madurai | Dr.T.Satyanarayana |
| 3 | V.Anantha Lakshmi | Spectrophotometric determination of modafinil in pharmaceutical preparaions | 2009 | Alagappa University,Karaikudi, Tamil Nadu. | Dr.T.Satyanarayana |

**(B ) Number of Publications : 19**

**International Journal : 14**

**National Journals : 05**

**( C)Number of Seminars/Workshops/ : 11**

**Conferences attended**

1. **Other information(if any) :**
2. Member, Board of Studies in Chemistry and Petrochemicals, P.R.Govt.(A) College, Kakinada during the period 2003 - 2005.
3. Member, Board of Studies in Chemistry and Petrochemicals, P.R.Govt.(A) College, Kakinada during the period 2008 – 2011.
4. University Expert, Board of Studies of B.Sc.(Petrochemicals), P.R.Govt. College(A), Kakinada nominated by Adikavi Nannaya University, Rajahmundry (2014-2016).
5. Subject Expert, Analytical Techniques in Pharmaceuticals, P.R. Govt. College(A), Kakinada
6. Co-ordinator, IGNOU Study Centre,Kakinada (0110)

**LIST OF PUBLICATIONS**

Published : 19 (International – 14, National – 5)

1. Fluorimetric estimation of triamterene and amiloride hydrochloride in pure and pharmaceutical preparations – Indian Drugs, **26**, 651 (1989).(impact factor 0.418)

C.S.P. Sastry, M.V. Suryanarayana, A.S.R. Prasad Tipirnani, **T. Satyanarayana**

1. Spectrofluorimetric determination of trimeprazine tartrate and methdilazine hydrochloride in formulations – Indian J. Pharmaceutical Sci., **52**, 115 (1990). ).(impact factor 0.479)

C.S.P. Sastry, A.S.R. Prasad Tipirnani, M.V. Suryanarayana, T. Thirupathi Rao,

**T. Satyanarayana**

1. Kinetic estimation of aminopolycarboxylic acids using their catalytic effect on chromium(VI)-iodide reaction – Indian J. Chem., **29A**, 936 (1990). ).(impact factor 0.851)

**Tatakuntla Satyanarayana,** Rama Krishna Mushini & Nageswara Rao Anipindi.

1. A spectrophotometric kinetic investigation of the catalysed vanadium(V)-iodide reaction – React. Kinet. Catal. Lett., **43**, 149 (1991) (Hungary). ).(impact factor 1.170)

G.V. Krishnam Raju, **T. Satyanarayana** and N.R. Anipindi.

1. Kinetics of oxidation of bis(2,2`,6`,2`` - terpyridine)iron(II) by cerium(IV) – Indian J. Chem., **31A**, 125 (1992). ).(impact factor 0.851) **T. Satyanarayana** & N.R. Anipindi.
2. Kinetics of mechanism of oxidation of bis(2,4,6-tripyridyl-1,3,5-triazine)iron(II) by trans-1,2-diaminocyclohexanetetraacetatomanganate(III) in acetate buffer – Trans. Met. Chem., **17**, 325 (1992) (U.K.). ).(impact factor 1.306)**Tatakuntla Satyanarayana,** Nageswara Rao Anipindi, Veeraputhiran Subbiah and Madhusudan Waman Pandit.
3. Kinetics and mechanism of oxidation of bis(2,2`,6`,2``-terpyridine)iron(II) by manganese(IV) – React. Kinet. Catal. Lett., **47**, 111 (1992) (Hungary). ).(impact factor 1.170)

**T. Satyanarayana** and N.R. Anipindi.

1. Kinetics and mechanism of cobalt(III) oxidation of bis(2,2`,6`,2``-terpyridine)iron(II) in sulphuric acid solutions – React. Kinet. Catal. Lett., **47**, 333 (1992) (Hungary). ).(impact factor 1.170)

**T. Satyanarayana** and N.R. Anipindi.

1. Kinetics and mechanism of electron-transfer reaction between bis(2,2`,6`,2``-terpyridine)iron(II) and manganese(III) in sulphuric acid medium – Trans. Met. Chem., **17**, 533 (1992) (U.K.). ).(impact factor 1.306)**Tatakuntla Satyanarayana** and Nageswara Rao Anipindi.
2. The oxalic acid catalysed oxidation of bis(2,4,6-tripyridyl-1,3,5-triazine)iron(II) by chromium(VI) in acetate buffer – Trans. Met. Chem., **18**, 93 (1993) (U.K.). ).(impact factor 1.306)**Tatakuntla Satyanarayana,** Nageswara Rao Anipindi, Veeraputhiran Subbiah and Madhusudan Waman Pandit.
3. Kinetics of oxidation of bis(2,2`,6`2``-terpyridine)iron(II) by permanganate ion – Indian J. Chem., **32A**, 254 (1993). ).(impact factor 0.851) **T. Satyanarayana** & N.R. Anipindi.
4. Kinetics and mechanism of 2,2`-bipyridine and 1,10-phenanthroline catalysed oxidation of bis(2,2`,6`2``-terpyridine)iron(II) by chromium(VI) in sulphuric acid medium-Oxidation Communications, **31**, 2, 373 (2008) (Bulgaria). ).(impact factor 0.507)

K.P.P.R. Mohan Reddy, **T. Satyanarayana,** N.R. Anipindi, R.N. Reddy.

1. Kinetics and mechanism of oxidation of bis(2,4,6-tripyridyl-1,3,5-triazine)iron(II) by vanadium(V), periodate and iodate ions in acetate buffers. – React. Kinet. Catal. Lett. **93**, 2, 315 (2008) (Hungary). ).(impact factor 1.170)**Tatakuntla Satyanarayana,** Anipindi Nageswara Rao and Rami Reddy Nageswara Reddy.
2. Kinetics and mechanism of oxidation of bis(2,2`,6`2``-terpyridine)iron(II) by iodate and vanadium(V) in sulphuric acid medium-Oxidation Communications, **31**, 4, 867 (2008) (Bulgaria). ).(impact factor 0.507)R.N. Reddy, **T. Satyanarayana,** N.R. Anipindi.
3. Kinetics and mechanism of oxidation of bis(2,2`,6`2``-terpyridine)iron(II) by bromate and periodate in sulphuric acid medium – Oxidation Communications, **33,** 4, 864(2010) (Bulgaria). ).(impact factor 0.507)Rami Reddy Nageswara Reddy, **Tatakuntla Satyanarayana,** Anipindi Nageswara Rao.
4. Kinetics and mechanism of silver(I) catalysed oxidation of bis(2,2`,6`2``-terpyridine)iron(II) by persulphate in acetate buffers – Oxidation Communications, **34**, 1, 38(2011) (Bulgaria). ).(impact factor 0.507)K. Venkata Reddy, **T. Satyanarayana**, N.R. Anipindi, R.N. Reddy.
5. Kinetics and mechanism of 1,10-phenanthroline and 2,2`-bipyridine catalysed oxidation of tris(1,10-phenanthroline)iron(II) and tris(2,2`-bipyridine)iron(II) by chromium(VI) in sulphuric acid medium – Oxidation Communications, **34**, 2, 292 (2011) (Bulgaria). ).(impact factor 0.507)

T. Srinivasa Reddy, **T. Satyanarayana**, N.R. Anipindi, R.N. Reddy.

1. Kinetics and mechanistic study of ruthenium(III) catalysed oxidation of bis(2,2`,6`2``-terpyridine)iron(II) by bromate in acetate buffers – Oxidation Communications, **34,** 3, 533(2011) (Bulgaria). ).(impact factor 0.507) R.N. Reddy, **T. Satyanarayana**, N.R. Anipindi.
2. Assessment of ground water quality for application in Kakinada coast –

Der Chemica Sinica , 3(1): 287(2012)(Egypt).(impact factor 0.386)Rama Rao,D.,

**Satyanarayana, T.** and Machiraju, P.V.S.

**SEMINARS / WORKSHOPS / CONFERENCES ATTENDED**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | | |  |  |
| **S.**  **No** | **Name of the Seminar/Symposia/ Conference etc.,** | **Name of the**  **Organizer** | **Duration** | | **Nature of  Participa-tion** | | |
| **From** | **To** |
| 1 | Analysis of pollutants in the Environment and Defluoridation Techniques | Dept. of Chemistry, A.N.U.P.G. Centre, NUZVID. | 23-1-2005 | --- | Participant | | |
| 2 | Recent Trends in Chemistry | Dept. of Chemistry, Andhra University, VISAKHAPATNAM. | 05-08-2005 | 06-08-2005 | Participant | | |
| 3 | Space and Environment | Science Vision, KAKINADA | 19-09-2005 | --- | Participant | | |
| 4 | Chemical Instrumentation  Techniques | Science Vision, KAKINADA | 11-12-2006 | --- | Participant | | |
| 5 | Chemical Research and Career Development | Science Vision, KAKINADA | 18-07-2007 | --- | **Resource Person** | | |
| 6 | Analytical Chemistry - its  importance in Industry,  Environment and Health | Dept. of Chemistry, Andhra University,  VISAKHAPATNAM. | 08-11-2008 | 12-11-2008 | Participant | | |
| 7 | Recent Developments and applications of chromatographic techniques | Dept. of Chemistry, M.R.P.G. College, VIZIANAGARAM. | 31-01-2010 | --- | **Resource Person** | | |
| 8 | Analytical Chemistry - its  importance in Industry,  Environment and Health | Dept. of Chemistry, Andhra University,  VISAKHAPATNAM. | 24-09-2010 | 26-09-2010 | Participant | | |
| 9 | National Conference on Biological Chemistry | Dept. of Chemistry, GITAM University, VISAKHAPATNAM | 29-11-2010 | 30-11-2010 | Participant | | |
| 10 | National Seminar on Spectroscopy and Instrumentation Techniques | Dept. of Chemistry, P.R. Govt. College, KAKINADA. | 25-02-2011 | 26-02-2011 | Participant | | |
| 11 | AP Science Congress-2011 | GITAM University VISAKHAPATNAM | 14-11-2011 | 16-11-2011 | **Paper Presentation** | | |