



DR. S. CHANDRAJU

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Designation	:	Professor of Sugar Technology
Date of Birth	:	8 th February 1955
Teaching Experience	:	35 years
Research Experience	:	Actively engaged in research since 1994

Qualification :

- ☞ **Ph. D** (Chemistry) from University of Mysore, Mysore in 1997.
- ☞ **M. Phil.**, (Chemistry) from Mangalore University, Mangalore in 1994.
- ☞ **M. Sc.**, (Physical Chemistry) from University of Mysore, Mysore in 1977.

Academic positions held (Total 35 years of teaching experience)

Position	From	To	Institution
Professor & Course Coordinator	13-10-2007	Till date	University of Mysore, Mysore
Reader & Course Coordinator	13-10-1999	12-10-2007	University of Mysore, Mysore
SGL	01-07-1996	12-10-1999	Bharathi College, Bharathi Nagar
Sr. Lecturer	01-07-1988	30-06-1996	Bharathi College, Bharathi Nagar
Lecturer	04-10-1980	30-06-1988	Bharathi College, Bharathi Nagar
Lecturer	14-09-1979	15-07-1980	PES College of Engineering, Mandya
Lecturer	05-09-1977	13-09-1979	Yuvaraja's College, UOM, Mysore

Online links

- <http://uni-mysore.ac.in/dr-s-chandraju/>
- <http://www.scopus.com/authid/detail.url?authorId=6602922627>
- http://scholar.google.com/citations?hl=en&user=bPPP5_YAAAAJ&view_op=list_works&pagesize=100

Research Areas

- Kinetics and mechanistic study of Oxidation of some Amino acids by Mn (III)
- Extraction and isolation of sugars from food garbage
- Ethanol- Ester blended Fuels
- Studies on the utilization of Distillery Spent wash as an effective liquid fertilizer
- Environmental studies

Countries visited: Thailand, Singapore, Malaysia and Srilanka.

Research Activities (Since 1994)

Research Publications	:	109 (as on July 2012)
Papers presented at conferences	:	36 (as on July 2012)
Conference attended	:	23 (as on July 2012)
Ph.D. students Guided successfully	:	04
Ph. D. students currently working	:	06
M. Phil. students guided successfully	:	01

Position held in Editorial Board/ Advisory Board/ Executive Council of journals:

Member	International Journal of Agricultural Sciences	June 2010-Till date
Member	Indian journal of Environment and Ecoplanning (http://www.ecoplanningindia.com/journal-ijee.htm)	2010-Till date
Member	Journal of Brewing and Distilling (http://www.academicjournals.org/JBD/Email.htm)	2010-Till date
Member	Research in Plant Biology; An International Open Online Journal (http://www.resplantbiol.com/editorial)	May 2011-Till date
Vice President	International journal of Agricultural sciences	Executive council for 2011
Honorary member	Bioresearch Bulletin (http://bioresonline.com/editors.aspx)	Since Jan 2012

Fellow/ Life Member of scientific Societies/Associations:

- South Indian Sugar Cane & Sugar Technologists Association (SISSTA).
- Fellow of Society of Environmental Sciences (F.S.E.Sc).
- Fellow of Hind Agri-Horticultural Society (F.H.A.S).

Awards/Recognitions:

- ✧ SISSTA Best paper award, 2009 (SILVER MEDAL)
- ✧ Biography appeared in Marquis Who's Who in the World-2011 (28th Edition)

Conference/Symposia Chaired at:

1. International conference on “Green Chemistry and Sustainable Environment (GCASE)-2010”, PG Department of Chemistry, Holy Cross College, Tiruchirappalli, **Tamil Nadu**, July 7th & 8th 2010.
2. 5th International Congress of Chemistry and Environment (ICEE-2011), **Malaysia**, May 27-29, 2011.
3. Sri Lanka-India conference on Agro Biotechnology for Sustainable Development (ABSD-2012), Colombo, **Sri Lanka**; 12-13th March 2012.

National Seminars Organized

- **Convener** for one day National Seminar on “Latest developments in Continuous pan and Measures to improve profit in sugar industry” Organized at D.O.S. in Sugar Technology, P.G. Centre, Mandya, on 20th April, 2001.
- **Convener** for one day National Seminar on “ISO Quality system in TQM, WCM, for Sugar industry” Organized at D.O.S. in Sugar Technology P.G. Centre, Mandya, on 26th June, 2002.

Details of Ph. D. students under my guidance

Sl. No.	Name	Title of the thesis	Remarks
1	K. B. Chandrashekar	ROLE OF POLYELETROLYTES ON CANE JUICE CLARIFICATION IN SUGAR INDUSTRY: AN INVESTIGATION	Ph. D. Awarded in 2009
2	B. K. Parthima	ETHANOL AS AN ALTERNATIVE FUEL FOR AUTOMOBILES: AN INVESTIGATION	Ph. D. Awarded in 2009
3	H. C. Basavaraju	INVESTIGATION OF IMPACT OF IRRIGATION OF DISTILLERY SPENT WASH ON PLANTS, VEGETABLES AND FRUITS	Ph. D. Awarded in 2009
4	R. Nagendraswamy	STUDIES ON THE IMPACT OF DISTILLERY SPENT WASH IRRIGATION ON MEDICINAL PLANTS	Ph. D. Awarded in 2010
5	Girija Nagendraswamy	IMPACT OF DISTILLERY SPENT WASH IRRIGATION ON MULBERRY PLANTS AND GROWTH OF SILK WORMS	Registered for Ph. D. in April 2009

6	R. Mythily	STUDIES ON THE EXTRATION OF REDUSING SUGARS FROM FOOD GARBAGES	Registered for Ph. D. in July 2010
7	L. Mohan Kumar		Registered for Ph. D. in May 2010
8	B. Ravi Prasad	STUDIES ON THE IMPLEMENTATION OF SYSTEMS, APPLICATIONS & PRODUCTS (SAP) MATERIALS MANAGEMENT (MM-MODULE)IN SUGAR INDUSTRY	Registered for Ph.D. in September 2010
9	Siddappa		Registered for Ph.D. in January 2011
10	C. Thejovati	STUDIES ON THE IMPACT OF DISTILLERY SPENT WASH IRRIGATION ON FLOWERING PLANTS	Registered for Ph.D. in January 2011

Details of M. Phil., students under my guidance

1. R. Nagendraswamy

-- Awarded M.Phil., in 2008

Kinetics and mechanistic of oxidation of Phenoxy acetic acid by Chloramine-T in acid medium.

Others:

- ☞ Reviewed many scientific papers for reputed National/ International journals
- ☞ Evaluated the Ph.D. thesis of many Indian Universities
- ☞ As subject expert for the selection of Readers & Professors under CAS at Sri Gurugobind Singh Ji Institute of Engineering & Technology, Nanded, Maharastra.
- ☞ As resource person for Organic Jaggery production at Academic staff college, UOM, Mysore, Mandya & Chamrajanagar districts.
- ☞ Involved in framing M.Sc. Sugar Technology syllabus

List of National / International Conferences attended

1. 32nd Annual Convention: South Indian Sugarcane and Sugar Technologist's Association, held at **Hyderabad**, 22nd September, 2000.
2. 33rd Annual Convention: south Indian Sugarcane and Sugar Technologist's Association, held at **Chennai**, 1st & 2nd October, 2001.

3. Two days national level seminar of Economics of health care services with reference to India and Karnataka, organized by D.O.S, in Economics, P.G. Centre, **Mandya**.
4. National seminar Organized at D.O.S. in Environmental Science, Manasagangothri, **Mysore**, 2nd & 3rd March, 2001.
5. One day Symposium held at **IISc, Bangalore**, 2nd may 2001.
6. 34th Annual Convention: South Indian Sugarcane & Sugar technologist's Association held at **Bangalore**, 2002.
7. 38th Annual Convention: South Indian Sugarcane & Sugar technologist's Association held at **Chennai**, August, 2007.
8. 39th Annual Convention: South Indian Sugarcane & Sugar technologist's Association held at **Hyderabad**, 2008.
9. 40th Annual Convention: South Indian Sugarcane & Sugar technologist's Association held at **Bangalore**, 31st July & 1st August, 2009.
10. 2nd Biopesticide International conference (BIOCICION) held at Palayamkottai, **Tamil Nadu**, 26th to 28th November, 2009.
11. International conference on "Current Trends in Chemistry and Bio-Chemistry" held at Central College **Bangalore** on 18th & 19th December, 2009.
12. 4th International Congress of Chemistry and Environment (ICCE-2009), Ubon Ratchathani University, **Thailand**, 21st to 23rd January, 2010.
13. *Two days National symposium on Frontier Areas in Chemical Science and Nanotechnology (NSFACNT-2010)*, DOS in Industrial Chemistry, Kuvempu University, **Shimoga**, 1st & 2nd May-2010.
14. International conference on "Green Chemistry and Sustainable Environment (GCASE)-2010", PG Department of Chemistry, Holy Cross College, Tiruchirappalli, **Tamil Nadu**, July 7th & 8th 2010.
15. "9th joint convention of STAI & SISSTA, Chennai, **Tamil Nadu**, 19-21 Aug-2010.
16. International conference on advanced oxidation processes, Kottayam, **Kerala**, Sep 18th to 21st, 2010.
17. International conference on Environmental challenges: A global concern, **Jalandhar**, Oct 15th & 16th 2010.
18. Fourth international conference on plants & environmental pollution, **Lucknow**, Dec 8th to 11th 2010.
19. 5th International Congress of Chemistry and Environment (ICCE-2011), Glory Beach Resort, Port Dickson, **Malaysia**, 27th to 29th May, 2011.

20. 3rd Biopesticide International conference (BIOCACION-2011) held at Palayamkottai, **Tamil Nadu**, 28th to 30th November, 2011.
21. 4th International congress of environmental research, held at SVNIT, **Surat**, Dec 15-17th 2011.
22. 30th Annual conference of Indian council of Chemists, Osmania University, **Hyderabad**, 28th – 30th Dec 2011.
23. Sri Lanka-India conference on Agro Biotechnology for Sustainable Development (ABSD-2012), Colombo, **Sri Lanka**; 12-13th March 2012.

List of Papers / Posters Presented at National / International Conferences / Symposia

- 1) Manganese(III) Oxidation of L- glutamine in Aqueous Sulfuric Acid, Acetic Acid, and Pyrophosphate Media: Kinetics and Mechanism. The 8th International Conference on Bioinorganic Chemistry, Yokohama, **JAPAN**, July 27-August 1, 1997. (Also published in J. Bioinorg. Chem., 67, 210, 1997).
- 2) Percentage of Crude fiber content in bagasse of different varieties of Sugar cane. 32nd Annual Convention: South Indian Sugarcane and Sugar Technologist's Association, held at **Hyderabad**, 22nd September, 2000.
- 3) Qualitative analysis of flocculants in clarification process by varying time & Performance of Internal Combustion Engine using ethanol – diesel blends. 33rd Annual Convention: south Indian Sugarcane and Sugar Technologist's Association, held at **Chennai**, 1st & 2nd October, 2001.
- 4) Occupational Hazards and health problems in sugar Industries. Two days national level seminar of Economics of health care services with reference to India and Karnataka, organized by D.O.S, in Economics, P.G. Centre, **Mandya**.
- 5) A study on blends of vegetable oil-ester-absolute alcohol-Diesel. National seminar Organized at D.O.S. in Environmental Science, Manasagangotri, **Mysore**, 2nd & 3rd March, 2001.
- 6) NMR analysis of ethyl ester – Diesel blends. One day Symposium held at **IISc, Bangalore**, 2nd may 2001.
- 7) Ecologically safe solution from sugar industry: Ethanol derivatives in Automobile fuels. 34th Annual Convention: South Indian Sugarcane & Sugar technologist's Association held at **Bangalore**, 2002.
- 8) Impact of distillery spentwash on seed germination and growth of leaves vegetables: An Investigation. 38th Annual Conventions: South Indian Sugarcane & Sugar technologist's Association held at **Chennai**, August, 2007.

- 9) Investigation of impact of irrigation of distillery spentwash on the growth, yield and nutrients of leafy vegetables in untreated and treated soil. 39th Annual Convention: South Indian Sugarcane & Sugar technologist's Association held at **Hyderabad**, 2008.
- 10) Kinetics of L-methionine oxidation by manganese (III) in acetic acid solutions. 20th Annual Illinois Student Research Conference at NEIU, **Chicago**, IL, April 4, 2009.
- 11) Impact of distillery spentwash irrigation on the yields of some root vegetables in untreated and spentwash treated soil. 40th Annual Conventions: South Indian Sugarcane & Sugar technologist's Association held at **Bangalore**, 31st July & 1st August, 2009. **(SISSTA Best paper award, 2009-SILVER MEDAL)**
- 12) Impact of distillery spentwash irrigation on the yields of pulses in untreated and spent wash treated soil. 2nd Biopesticide International conference (BIOCACION) held at Palayamkottai, **Tamil Nadu**, 26th to 28th November, 2009.
- 13) Manganese(III) Oxidation of L-Methionine in Aqueous Acetic Acid Medium: A Kinetic and Mechanistic Study. International conference on "Current Trends in Chemistry and Bio-Chemistry" held at Central College **Bangalore** on 18th & 19th December, 2009.
- 14) Ethyl ester of coconut oil-diesel blend as an alternate fuel for automobile vehicle. 4th International Congress of Chemistry and Environment, Ubon Ratchathani University, **Thailand**, 21st to 23rd January, 2010.
- 15) Impact of distillery spentwash irrigation on yields of top vegetables cultivated in untreated and spentwash treated soil. 4th International Congress of Chemistry and Environment, Ubon Ratchathani University, **Thailand**, 21st to 23rd January, 2010.
- 16) Studies on the influence of distillery spentwash irrigation on the nutrients of top vegetables (Creepers) in normal and spentwash treated soil, Two days National symposium on Frontier Areas in Chemical Science and Nanotechnology, DOS in Industrial Chemistry, Kuvempu University, **Shimoga**, 1st & 2nd May-2010.
- 17) Oxidation of L-Valine by Manganese (III) in pyrophosphate medium: A kinetic and mechanistic study, Two days National symposium on Frontier Areas in Chemical Science and Nanotechnology (NSFACNT-2010), DOS in Industrial Chemistry, Kuvempu University, **Shimoga**, 1st & 2nd May-2010.
- 18) Kinetics and mechanism of DL-Alanine by Manganese (III) in aqueous acetic acid medium, Two days National symposium on Frontier Areas in Chemical Science and Nanotechnology (NSFACNT-2010), DOS in Industrial Chemistry, Kuvempu University, **Shimoga**, 1st & 2nd May-2010.
- 19) Influence of Distillery Spentwash Irrigation on the nutrients of Banana (*Musa Paradisica*) and Papaya (*Carcia Papaya*) fruits, International conference on "Green Chemistry and Sustainable Environment (GCASE)-2010", PG Department of Chemistry, Holy Cross College, Tiruchirappalli, **Tamil Nadu**, July 7th & 8th 2010.
- 20) Studies On the Impact of Irrigation of Distillery Spentwash on the Nutrients of Leafy Medicinal Plants, 9th joint convention of STAI & SISSTA, Chennai, **Tamil Nadu**, 19-21 Aug-2010.

- 21) Influence of Distillery Spentwash Irrigation on the Nutrients of Root Vegetables in Untreated and Spentwash Treated Soil, 9th joint convention of STAI & SISSTA, Chennai, **Tamil Nadu**, 19-21 Aug-2010.
- 22) Implication of distillery spentwash on the sustainability of common Carp (Cyprinus carpio) fishes, International conference on advanced oxidation processes, Kottayam, **Kerala**, Sep 18th to 21st, 2010.
- 23) **P-66**: Enhanced nutrients uptake of leafy medicinal plants irrigated by distillery spentwash in untreated and spentwash treated soil, International conference on Environmental challenges: A global concern, **Jalandhar**, Oct 15th & 16th 2010.
- 24) **SIV/O-22**: Impact of distillery spentwash irrigation on the yields of herbal medicinal plants in normal and spentwash treated soil, Fourth international conference on plants & environmental pollution, **Lucknow**, Dec 8th to 11th 2010.
- 25) **PP-22**: Extraction and analysis of an acid-base indicator from black gram husk, National conference on "Recent trends in Analytical techniques" DRM Science college, **Davangere**, Feb 19th 2011.
- 26) Nutritional additives of distillery spentwash on the production of Creeper medicinal plants in normal and spentwash treated soil, ICCE-2011, Port Dickson, **Malaysia**, May 27-29, 2011.
- 27) Implication of distillery spentwash on the sustainability of Catla (catla catla) fishes, ICCE-2011, Port Dickson, **Malaysia**, May 27-29, 2011.
- 28) Electrospray mass spectrometry and one dimensional thin layer chromatographic analysis of sugars from Chikoo peels, National symposium on "Energy and Environment-ChemIgnite 2k11" held at Department of Chemical Engineering, Manipal Institute of Technology, **Manipal** on 26th and 27th August 2011.
- 29) **P-37**: HPLC coupled LC/MS instrument and TLC analysis of water soluble sugars extracted from non-edible portion of ridge gourd (Luffa acutangula), International conference on membranes; Biological and Environmental applications (ICM-2011), Sept 16-19, 2011, Kottayam, **Kerala**.
- 30) **A2250**: Studies on the implication of distillery spent wash in the sustainability of tilapia fishes (Oreochromis niloticus). 3rd Biopesticide International conference (BIOCACION-2011) held at Palayamkottai, **Tamil Nadu**, 28th to 30th November, 2011.
- 31) **PP-223**: Oxidation of L-Valine by manganese (III) sulphate in sulphuric acid medium: Kinetics and mechanism, International conference on synthetic and structural chemistry (ICSSC-2011), Dec 8-10, 2011, Mangalore University, **Mangalore**.
- 32) **LS-531**: Irrigational impact of distillery spentwash on the germination and growth of sesame (Sesamum indicum) seeds, 4th International congress of environmental research, held at SVNIT, **Surat** from Dec 15-17th 2011.

- 33) **ISCA-ISC-2011-4CS-09:** Carbohydrate extraction from sweet orange peels (*Citrus Sinensis* L.) and their identification via LC/MS and Thin layer chromatographic analysis, ISC-2011, SOUVENIR, Science and technology for sustainable development, **Indore**, MP, 24th – 25th Dec-2011.
- 34) **AO-37:** Extraction of sugars from black gram peels by application of the reversed-phase liquid chromatography systems and identifying by TLC and Mass analysis, 30th Annual conference of Indian council of Chemists Osmania University, **Hyderabad**, 28th – 30th Dec 2011.
- 35) **AP-12:** Irrigation's impact of distillery spent wash on the yield of sesame (*Sesamum Indicum*) oil seed, 30th Annual conference of Indian council of Chemists Osmania University, **Hyderabad**, 28th – 30th Dec 2011.
- 36) Distillery spent wash as an effective liquid fertilizer and alternate irrigation medium in floriculture, Sri Lanka-India conference on Agro Biotechnology for Sustainable Development (ABSD-2012), Colombo, **Sri Lanka**; 12-13th March 2012.

Refresher course / Orientation course / Workshop attended

- ✧ Workshop on low cost equipment for chemistry Education: held at Indian Institute of Science, **Bangalore**, 06-04-1990 to 10-06-1990.
- ✧ Orientation Course, Organized by Academic Staff College, University of **Hyderabad**, Oct – Nov 1990.
- ✧ Refresher Course, Organized by Academic Staff College, North Eastern hill University, Shillong, **Meghalaya**, 23-09-1991 to 12-10-1991.
- ✧ National Workshop on Radiochemistry, Application of Radioisotopes and Allied Topics, Mangalore University, **Mangalore**, 29-10-1992 to 18-11-1992.
- ✧ Refresher Course, Organized by Academic Staff College, University of Mysore, **Mysore**, 07-11-1994 to 03-12-1996.
- ✧ National Symposium on “New Strategies to fight Drug Resistance in Cancer Therapy, held at Adichunchanagiri institute of Medical Sciences” B.G.Nagar, 22-02-1996 to 24-02-1996.
- ✧ Workshop on Science Communication, organized by the Department of Industrial Chemistry & Chemistry, Kuvempu University, B.R.Project, **Shimoga**, 6th & 7th September 1997.
- ✧ National Workshop on Recent Trends in Micro – analytical Techniques; Application in Nuclear, Environmental and Applied Science, Organized by Dept. of Industrial Chemistry & Chemistry, Kuvempu University & Indian Society of Analytical Science, **Mumbai**, 10th to 13th Feb -1998.
- ✧ National Seminar on “Polymer Technology for Industry and Society” held on 7th & 8th Jan- 2000, Dept. of Studies in Industrial Chemistry & Chemistry, **Kuvempu University**.

List of Research Publications

109. Y. Song, C. S. Chidan Kumar, **S. Chandraju**, S. Naveen and H. Li, 4-[(4-Chlorophenyl)(phenyl)methyl]piperazin-1-ium picrate monohydrate, *Acta Cryst* (2012). E68, o2486.
108. **S. Chandraju**, C. Thejovathi and C. S. Chidan Kumar, Studies of Distillery Spent Wash Irrigation on Germination and Growth of Chrysanthemum indicum and Polianthes tuberosa Flowering Plants, *Nat. Env. Poll. Tech*, 11 (2), 289-292, (2012).
107. **S. Chandraju**, C. Thejovathi and C. S. Chidan Kumar, Distillery Spentwash as an Effective Liquid Fertilizer and Alternative Irrigation Medium in Floriculture, *Research in Plant Biology*, 2(3): 16-23, 2012.
106. **S. Chandraju**, Girijanagendraswamy and C. S. Chidan Kumar, Study of parameters of CSR-2 cocoon reared with V1 mulberry leaves irrigated by spentwash, *Research in Plant Biology*, 2(3): 01-03, 2012.
105. C. S. Chidan Kumar, **S. Chandraju**, Tarab Ahmad, R. Mythily and Netkal M. Made Gowda, Extraction and Evaluation of a New Acid-Base Indicator From Black Gram Husk (*Vigna Mungo*), *Synth. & React.in Inorg. Met.-Org. & Nano-Met. Chem.* 42(4), 498– 501, (2012).
104. C. S. Chidan Kumar, **S. Chandraju**, and Netkal M. Made Gowda Oxidation of L-Valine by Manganese(III) in Pyrophosphate Medium: Kinetics and Mechanism, *American Journal of Organic Chemistry.*, 2012, 2(2): 21-25.
103. **S. Chandraju**, Girijanagendraswamy and C. S. Chidan Kumar Yields of *Bombyx mori* L. races cocoons CSR19, Kolar gold and CSR2xCSR4 reared fed with V1 variety of mulberry leaves cultivated by spentwash irrigation, *J. Chem. Pharm. Res.*, 2012, 4(3):1812-1814.
102. C. S. Chidan Kumar, R. Mythily and **S. Chandraju** Advanced Chromatographic Technique for the Analysis of Sugars Extracted from the Peels of Black Grape (*Vitis vinifera* L.), *Asian. J. Chem*, 24(5), 2170-2172; 2012.
101. **S. Chandraju**, R. Mythily and C. S. Chidan Kumar Qualitative chromatographic analysis of sugars present in non-edible rind portion of custard apple (*Annona Squamosa. L*), *J. Chem. Pharm. Res.*, 2012, 4(2):1312-1318.
100. **S. Chandraju**, B. Raviprasad and C. S. Chidan Kumar Studies on the implementation of system application product (SAP) materials management (MM-Module) in sugar cane cultivation and harvesting, *Journal of Asian Research Consortium*, 2(3), 2012.
99. R. Mythily, C. S. Chidan Kumar and **S. Chandraju** Preparative HPLC Separation of Sugars extracted from non- edible portion of ridge gourd (*Luffa acutangula*) and their Identification by Mass and TLC analysis, *Int J Chem Res*, 3(1), 2012, 40-44.

98. C. S. Chidan Kumar, R. Mythily and **S. Chandraju**
Commercial Production of Simple Sugars from Calabash peels (*Lagenaria siceraria*) and identification using sophisticated Liquid chromatography/Mass Spectrometry & Thin Layer Chromatographic analysis, *Int. J. ChemTech Res.* 2012,4(1).
97. **S. Chandraju**, Ashraf Beirami, C. S. Chidan Kumar
Effect of sodium and potassium ions in identification of baby gender in hamster, *Asian J Pharm Clin Res*, 5(1), 2012, 134-136.
96. **S. Chandraju**, Ashraf Beirami and C. S. Chidan Kumar
Impact of calcium and magnesium ions in identification of offspring gender in high-Sugar rabbits, *J. Chem. Pharm. Res.*, 2012, 4(1):719-725.
95. **S. Chandraju**, C. Thejovathi, C. S. Chidan Kumar
Impact of Distillery Spentwash Irrigation on Sprouting and Growth of Himalayan Balsam (*Balsaminaceae*) and Crossandra (*Acanthaceae*) Flowering plants, *International Journal of Current Research and Review*, 4(1), 06-13, 2012.
94. C. S. Chidan Kumar, R. Mythily and **S. Chandraju**
Extraction of Carbohydrate from Sweet Orange Peels (*Citrus sinensis* L.) and their Identification via LC /MS & Thin Layer Chromatographic Analysis, *Biosci., Biotech. Res. Asia*, **8**(2), 709-715 (2011).
93. Tarab Ahmad, Bobilla Srihari, Bakheet Alresheedi, **Siddegowda Chandraju** and Netkal Made Gowda, Modeling of ibuprofen on reversed phase liquid chromatography: I. The effect of mobile phase composition, *International Journal of Applied Science and Technology*, 1(6); 2011.
92. **S. Chandraju**, Ashraf Beirami and C. S. Chidan Kumar
Impact of Calcium and Magnesium Ions in Identification of Baby Gender in High-Sugar Hamsters, *J. Pharm. Sci. & Res.* 3(12), 2011, 1619-1624.
91. C. S. Chidan Kumar, R. Mythily and **S. Chandraju**
Qualitative analysis of sugars present in non-edible rind portion of musk melon (*Cucumis Melo* L.) via chromatographic technique, *International Journal of Current Research and Review*, 3(12), 201-206, 2011.
90. C. S. Chidan Kumar, **S. Chandraju**, and Netkal M. Made Gowda
Manganese(III) Oxidation of Alanine in Aqueous Ethanoic Acid Medium: A Kinetic and Mechanistic Study. *Synth. & React.in Inorg. Met.-Org. & Nano-Met. Chem.* 41: 1331–1337, (2011).
89. C. S. Chidan Kumar, R. Mythily and **S. Chandraju**
Sugar analysis of Chikoo Peels (*Manilkara Zapota*) via on-line electrospray mass spectroscopy and one dimensional thin layer chromatography, *International journal current chemical sciences* : 1(1); 008-011, 2011.

88. **S. Chandraju**, C. Thejovathi, C. S. Chidan Kumar
Impact of Distillery Spentwash Irrigation on Sprouting and Growth of Tagetes (*Asteraceae*) Flowering plant, *Asian J. Research Chem.* 2011; 4(10): 1608-1611.
87. **S. Chandraju**, C. Thejovathi, C. S. Chidan Kumar
Impact of Distillery Spentwash Irrigation on Sprouting and Growth of Gardenia (*Rubiaceae*) Flowering plant, *J. Chem. Pharm. Res.*, 2011, 3(5): 376-381.
86. **S. Chandraju**, Ashraf Beirami and C. S. Chidan Kumar
Role of sodium and potassium ions in identification of baby gender in high-sugar mammals, *Int J Pharm Pharm Sci*, 3(4), 303-306. 2011.
85. **S. Chandraju**, Siddappa and C. S. Chidankumar
Studies on the Germination and Growth of Mustard (*Brasica nigra*) and Castor (*Ricinus communis*) seeds irrigated by Distillery Spentwash, *Bioresearch Bulletin* (2011) 6: 378-384
84. **S. Chandraju**, Giriyanagendraswamy, C. S. Chidan Kumar and R. Nagendraswamy.
Studies on the impact of irrigation of distillery spentwash on the yields of *S-30*, *S-36* and *Vishwa (DD)* mulberry plants. *Internat. J. agric. Sci.*, 7(2): 343-347. 2011.
83. **S. Chandraju**, C. Thejovathi, C. S. Chidan Kumar, L. Mohan Kumar, Siddappa and P. Bhuvan. Studies on the germination and growth of Zinnia (*Asteraceae*) and Vinca (*Apocynaceae*) seeds irrigated by distillery spentwash, *Sugar Journal.*, 15-20. 2011-40th convention of SISSTA.
82. **S. Chandraju**, R. Nagendraswamy and C. S. Chidan Kumar
Studies on the Yields of Herbal Medicinal Plants Irrigated by Distillery Spentwash in Normal and Spentwash Treated Soil, *Biosciences, Biotechnology Research Asia*:8(1), 271-276; 2011.
81. **S. Chandraju**, R. Mythily and C. S. Chidan Kumar.
Separation & identification of simple sugar metabolites from nonedible Pomegranate (*Punica granatum L.*) via TLC and on-line Electrospray Mass Spectrometry, *J. Chem. Pharm. Res.*, 3(4): 422-429. 2011.
80. **S. Chandraju**, R. Mythily and C. S. Chidan Kumar.
Liquid – Liquid Extraction of Sugars from non edible pineapple (*Ananas comosus*) and analysis by sophisticated Liquid Chromatography/Mass Spectroscopy and Thin Layer Chromatographic Analysis, *Int J Cur Sci Res.* 1(3): 125-128. 2011.
79. **Chandraju S.**, Mohan Kumar L. and, Chidan Kumar C. S.
Implication of Distillery Spentwash on the Sustainability of Catla (catla catla) Fishes, *Res. J. Chem. Environ*, 15(2): 804-806. 2011.
78. **Chandraju S.**, Nagendraswamy R., Chidankumar C. S. and Nagendraswamy Girija
Nutritional Additives of Distillery Spentwash on the Production of Creeper Medicinal plants in Normal and Spentwash Treated Soil, *Res. J. Chem. Environ*, 15(2): 297-302. 2011.

77. **S. Chandraju**, Girijanagendraswamy and C. S. Chidankumar.
Irrigational impact of distillery spentwash on the yields of Mysore local, M-5 and MR-2 mulberry plants, *Indian. J. Environ & Ecoplan*, 18(1), 55-62, 2011.
76. **S. Chandraju**, R. Mythily and C. S. Chidan Kumar
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