

Curriculum Vitae

Name : Dr. G. Chinna Reddy
Date of Birth : 28/06/1984
Designation : Lecturer in Chemistry
Communication Address : B.T. Govt. Degree College,
Madanapalle-517325,
Chittoor (District), A. P.
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Educational Qualifications & Accomplishments : Ph.D. (CSIR-IICT, Hyd. & SKU, Anantapuram)
M.Sc (Analytical Chemistry), SKU, Anantapuram
2010-2013 Senior Research Fellowship, (CSIR-India)
2008-2010 Junior Research Fellowship, (CSIR-India)
Qualified CSIR-UGC- NET exam in June 2007 & Dec 2008
AIR 135th Rank (with 98.67 percentile) in GATE-2008

Date of Joining in Service : 23-06-2018

Date of Retirement : 30-06-2046

Trainings attended : (i) **ARPIT (02)**
(a) "Online Refresher Course in Chemistry for Higher Education" on 30-03-2019.
(b) "Online Refresher Course in Chemistry for Higher Education" on 16-02-2020.
(ii) **Short Term Courses (01)**
(a) Attended "Two Week Induction Training Programme for Newly Recruited Lecturers" from 13th August to 26th August 2018 at APHRDI, Bapatla.
(iii) **MOOCs Courses (02)**
(a) Organometallic Chemistry (NPTEL-IIT Bombay) completed in Jan-Feb 2019. (4 Weeks Course)
(b) Bioinorganic Chemistry (NPTEL-IIT Kanpur) completed in Sep-Oct 2019. (4 Weeks Course)

Seminars/Workshops/ : 07

Conferences Attended

Additional Institutional Responsibilities : Coordinator Website Committee

Papers Published

Number of Publications: 16

List of Publications:

(A) Metal catalyzed C-H, N-H activation of heteroarenes:

- (1) "Copper-catalyzed direct cross-coupling of 1,3,4-oxadiazoles with N-tosylhydrazones: Efficient synthesis of benzylated 1,3,4-oxadiazoles" N. Salvanna, **Gandolla Chinna Reddy** and Biswanath Das (RSC Adv., 2013, 3, 20538)
- (2) "Pd(OAc)₂ catalyzed C-H activation of 1,3,4-oxadiazoles and their direct oxidative coupling with benzothiazoles and aryl boronic acids using Cu(OAc)₂ as an oxidant" N. Salvanna, **Gandolla Chinna Reddy** and Biswanath Das (Tetrahedron, 2013, 69, 2220)
- (3) "Copper-mediated C-H activation of 1,3,4-oxadiazoles with 1,1-dibromo-1-alkenes using PEG-400 as solvent medium: Distinct approach for alkynylation of 1,3,4-oxadiazole" **Gandolla Chinna Reddy**, P. Balasubramanyam, N. Salvanna and Biswanath Das (Eur. J. Org. Chem., 2012, 471)
- (4) "An efficient Copper-catalyzed direct alkenylation of Oxadiazoles with trans- β -halostyrenes" Biswanath Das, **Gandolla Chinna Reddy**, P. Balasubramanyam and N. Salvanna (Tetrahedron, 2012, 68, 300)
- (5) "Copper-catalyzed coupling of imidazoles and pyrazoles with 1,1-dibromo-1-alkenes: A distinct approach for direct N-alkynylation of heteroarenes" Biswanath Das, N. Salvanna, **Gandolla Chinna Reddy** and P. Balasubramanyam (Tetrahedron Letters, 2011, 52, 6497)
- (6) "Copper (II) oxide catalyzed ligand-free coupling reaction of heteroarenes with bromoalkynes" Biswanath Das, **Gandolla Chinna Reddy**, P. Balasubramanyam and N. Salvanna (Synthesis, 2011, 816)

(B) Stereoselective total synthesis of natural compounds having α , β unsaturated lactone ring:

- (7) "The first Stereoselective total synthesis of (Z)-cryptomoscatone D2, a natural G₂-checkpoint inhibitor" **Gandolla Chinna Reddy**, P. Balasubramanyam, N. Salvanna, T. Sreenivasulu Reddy and Biswanath Das (Bioorg. Med. Chem. Lett. 2012, 22, 2415)
- (8) "Stereoselective total synthesis of Botryolide-E" Boyapati Veeranjanyulu, Malampati Srilatha, **Gandolla Chinna Reddy**, Biswanath Das (Helv. Chim. Acta, 2012, 95, 1152)
- (9) "Efficient Stereoselective total synthesis of (+)-Cryptofolione and the first synthesis of (-)-Cryptocaryalactone" P. Balasubramanyam, **Gandolla Chinna Reddy**, N. Salvanna and Biswanath Das (Synthesis, 2011, 3706)
- (10) "An efficient stereo selective total synthesis of Synargentolide A and its epimer" Biswanath Das, P. Balasubramanyam, B. Veeranjanyulu and **Gandolla Chinna Reddy** (Helv. Chim. Acta, 2011, 94, 881)

(C) Development of useful synthetic methodologies:

- (11) "Simple, efficient and catalyst-free synthesis of 2-amino- 4H-chromen-4-yl phosphonates in polyethylene glycol" Biswanath Das, P. Balasubramanyam, **Gandolla Chinna Reddy** and N. Salvanna (Helv. Chim. Acta, 2011, 94, 1347)
- (12) "An efficient new method for the synthesis of polysubstituted pyrroles" Biswanath Das, **Gandolla Chinna Reddy**, P. Balasubramanyam and B. Veeranjanyulu (Synthesis, 2010, 1625)
(This article was highlighted in Organic Chemistry Portal Abstracts)
- (13) "A mild and efficient catalytic Mannich-type reaction as a simple access to N-benzyloxycarbonyl β -amino ketones" Biswanath Das, **Gandolla Chinna Reddy**,

P.Balasubramanyam and B. Veeranjanyulu (Synthesis, 2010, 2057)

- (14) "Simple and efficient access to N-tosyl β -amino ketones and their conversion into 2,4-disubstituted azetidines" Biswanath Das, P. Balasubramanyam, B. Veeranjanyulu and **Gandolla Chinna Reddy** (J. Org. Chem., 2009, 74, 9505)
- (15) "Synthesis of α -aminonitriles through Strecker reaction of N-tosyl aldimines using molecular Iodine" Biswanath Das, P. Balasubramanyam, M. Krishnaiah, B. Veeranjanyulu and **Gandolla Chinna Reddy** (Synthesis, 2009, 3467) (This article was highlighted in Organic Chemistry Portal Abstracts)
- (16) "Iodine-catalyzed efficient hydrophosphonylation of N-tosyl aldimines" Biswanath Das, P. Balasubramanyam, M. Krishnaiah, B. Veeranjanyulu and **Gandolla Chinna Reddy** (J. Org. Chem., 2009, 74, 4393) (This article was highlighted in Organic Chemistry Portal Abstracts)

List of Conferences/Seminars/Workshops Attended

- (1) National seminar on "**Emerging Trends in Chemical, Material and Environmental Sciences**" on 27th September 2019, organized by Govt. Degree & P.G College, Puttur, Chittoor (Dt.), India
- (2) National seminar on "**Emerging Trends in Chemical Sciences (ETCS)**" from 11-12, March 2019, organized by Dravidian University, Kuppam, India
- (3) National Conference on "**Recent Developments of Chemistry in Engineering Applications**" on 9th February 2019, organized by SRM Valliammai Engineering College, Chennai, India
- (4) Participated in the NPTEL Workshop Conducted on 12th September 2018, organized by IIT Madras at Kuppam Engineering College, Kuppam, A.P., India
- (5) International symposium on "**Chemistry and Chemical Biology of Natural products**" from 2-4, August 2012, organized by IICT, Hyderabad, India.
- (6) National seminar on "**Recent Developments in Green Chemistry**" from 29-30, November 2009, organized by Andhra University, Visakhapatnam, India.
- (7) 2nd AP Science Congress proceedings entitled "**Science and Technology: Its role in the changing Global Scenario**" from 14-16, November 2009, organized by SV University, Tirupati, India.