

CURRICULUM VITAE

Name **Prof. Mastan Mannarapu**

Date of Birth 04-16-1971

Nationality Indian

Address for Communication: Professor,
Head & BOS
Dept. of Biotechnology,
Dravidian University
Kuppam – 517 426.
Chittoor dist., A.P.
E-mail: mastanmadhav@gmail.com
Cell: 09949274182



EDUCATIONAL QUALIFICATION

Examination passed	Name of the University	Year of passing	Division	%of Marks	Subjects
B.Sc.	S.V. University	1993	First	72	Botany, Zoology and Chemistry
M.Sc.	S.V. University	1996	First	65	Bio-Chemistry
Ph.D.	S.V. University	2006	First		Bio-Chemistry

Details of Teaching & Research Experience

College	Designation	From	To
Biotechnology Research Centre, A.P. Forest Department, Tirupati	Research Scholar	1996	2000
Sri Vidyanikethan Degree and PG College, Tirupati	Assistant Professor	2000	2009
Dravidian University, Kuppam	Associate Professor	2009	2015
Dravidian University, Kuppam	Professor	2015	Till date

ACADEMIC TEACHING EXPERIENCE IN U.G AND P.G. COURSES

- Under Graduate course B.Pharm. 25-06-2000 to 2009
- Under Graduate course B.Sc. Bio-chemistry, Micro-Biology and Biotechnology 2000-Till date.
- Post Graduate course MSc. Bio-Chemistry & M.Sc. Micro-Biology of Srividyanikethan PG College, S.V. University, Tirupati. 2000-2009.
- Post Graduate course M.Sc. Biotechnology of Dravidian University, Kuppam. 2009 to Till Date.

Academic experience

- Co rdinator for Community Service Projects from 2021 to till date
- Chief Examiner for **Group I services mains** Evaluation for **Science & Technology** Spot Valuation held at APPSC office Vijayawada, From 28-06-2023 to 08-07-2023.
- **MRSB (Member in Royal Society of Biology, London.** From July 2021 to till date.
- Board of Studies Member (**BOS**) for Chemistry, Tumkur University, Tumkur , Karnataka from 2022 to till date.
- **Dean**, School of Herbal Studies and Naturo Sciences, DU, Kuppam from 2019 to till date.
- Board of Studies Chairman (**BOS**), Department of Biotechnology, Dravidian University, Kuppam from February 2016 to till date.
- Board of Studies Member (**BOS**) for Bio-Chemistry, Dravidian University, Kuppam from 2010 to till date.
- Board Member for Member (**BOS**) for Zoology Dravidian University, Kuppam, 10-07-2019 to till date.
- Board Member for Member (**BOS**) for Environmental Management Dravidian University, Kuppam nt, 10-07-2019 to till date.
- Chief Examiner for **Group I services mains** Evaluation for **Science & Technology** Spot Valuation held at Osmania University Centre for International Programmes, Osmania University, Hyderabad from 18-11-2016 to 28-11-2016.
- Chief Examiner for **Group I services mains** Evaluation for **Science & Technology** Spot Valuation held at Osmania University Centre for International Programmes, Osmania University, Hyderabad from 04-01-2018 to 11-01-2018.
- Co rdinator for Community Service Projects from 2021 to till date

Administrative experience

- Dean, Student Affairs of Dravidian University from 02-06-2024 to Till date.
- Director ,Directorate of Admissions (DOA) of Dravidian university from 11-06-2024 to Till date.
- Worked as Deputy Director In School of Distance and Continuing Education (SDCE), Dravidian University, Kuppam from August, 2009 to November, 2011.
- Dean, School of Herbal Studies And Naturo Sciences (Two years).From 2019- 2021.
- Head Department of Biotechnology, Dravidian university from July 27th 2021 to till date.
- Liaison Officer for the welfare of Backward classes of Dravidian university employees from Aug 6th 2021 to till date.
- Dean, Student Affairs of Dravidian University from 02-06-2024 to Till date.

- Director ,Directorate of Admissions (DOA) of Dravidian university from 11-06-2024 to Till date.

Extracurricular activities

- Cultural convener from 2010 to 2012. In Dravidian Culture and fine arts cell, Dravidian University, Kuppam

Seminar conducted

- National Seminar on “Influence of medicinal plants on human life” during the year Feb24-25th, 2011.
- National Seminar on Dravidian Herbal Heritage and Modern Clinical systems (NSDHHMCS-2020).February 24th & 25th.

Research Project

- UGC Major Research Project entitled “Protective effect of Andrographis paniculata on cyclophosphamide induced oxidative damage in chick embryo” Sanctioned an amount of Rs. 12,10,800/-for period of three years from 2013-2016

Books / Chapters Published:

Sl. No	Name of The Books / Chapters	National/International	Name of The Author	Published	Year	ISBN/ISSN No.
1	Targeting arachidonic acid pathway associated NF – kB in pancreatic cancer role of transcription factors in gastrointestinal malignancies.	International	Mannarapu M	Published in Springer chapter 30, PP 403-412, 2018. Editors: Nagaraju, Ganji Purnachandra, Bramha Chari, P. Veera (Eds.)	2018	ISBN 978-981-10-6728-0
2	Bioconversion of mango industrial Waste into vermicompost: Evaluation Nutritional status of vermicompost pages 205-20/1.	International	Mannarapu M	Springer, Singapore.2020, Bioresource Utilization and Bioprocess	2020	ISBN 978-981-15-1607-8-20
3	Impact of plant antioxidants of scavenging free radicals	National	D Sudhakar, Gnanapraksham.P and M. Mastan	Shanlax Advanced in Biosciences – 2023	2023	ISBN 978-81-19042-88-3

AREAS OF RESEARCH

- Clinical Biochemistry, Immunology, Animal Cell culture, Molecular Biology. Medicinal plants

TECHNIQUES KNOWN

- Immunoelectrophoresis, blotting techniques, Iso electric focusing, ELISA, DNA and RNA isolations, Protein Purification, Electrophoretic techniques, Restriction Digestion, Cloning techniques. PCR , Cell culture techniques, Transfection and Transformation.

Ph.D AWARDED

1. **B. Salma Begum (2015)**, “Effect of *Conium maculatum*. L against physiological induced and genetically inherited dopaminergic neuronal death caused by rotenone in albino rat. Thesis submitted to Dravidian University, Kuppam, Chittoor district, A.P.
2. **K. Shrisha (2015)**, “Protective effect *Andrographis paniculata* on Atrazine induced oxidative damage in wistar albino rats”. Thesis submitted to Dravidian University, Kuppam, Chittoor district, A.P.
3. **N. Jayalakshmi (2016)**, “A study on the Allelopathic effect of *Rhizophora mucronata* Lam and *Suaeda maritime* Dum on paddy variety TKM – 09. Thesis submitted to Dravidian University, Kuppam, Chittoor district, A.P.
4. **S.Prabhudas (2021)**, “PROTECTIVE EFFECT OF SYNTHESIZED SILVER NANO PARTICLES USING *Camellia sinensis* ON CYCLOPHOSPHAMIDE INDUCED OXIDATIVE DAMAGE IN ALBINO WISTAR RATS”
5. **D. Sandhyasri (2024)**. “Green Synthesis of Zinc Oxide nanoparticles and its applications of important medicinal plants”
6. **Gunta.Upendra (2024)**. “Identification of potential inslinotropic cytotoxins from Indian cobra naza nazasnake venom by in silico studies.”

M.Phil. AWARDED

1. **P. Priya (2016)**, “Protective effect of *Acorus calamus* against dieldrin induced oxidative damage in male albino wistar rats”. Dissertation submitted to the Dravidian University, Kuppam, Chittoor district, A.P
2. **M. Radhika (2010)**, Analysis of water samples by spectrophotometry (Determination of Carbamates in Environmental Samples). Dissertation submitted to the Madurai Kamaraj University, Tamil Nadu.

RESOURCE PERSON/ INVITED TALK

1. As Resource person delivered special talk on “**Economic importance and marketing of Medicinal plants**” from 5-12-2022 to 9-12-2022 at Department of Biotechnology, Krishna University, Machilipattanam.

2. As Resource person delivered special talk on “**Restriction modification system and eukaryotic and prokaryotic replication**” from 18-08-2023 to 19-08-2023 at Department of Biotechnology, Acharya Nagarjuna University, Guntur.
3. As Resource person delivered special talk on “**Stree and its impact on hormonal imbalance**” in Two day national Seminar on **Stress management in Modern Era from 10th to 11th 2022** by the Deapartment of Physical Education and Sports Sciences, Ongole campus, Ongole.
4. As Resource person delivered special lecture one day i.e **22/03/2021** to the Biotechnology Students of Sri Padmavathi Mahila Viswa Vidyalaya (SPMVV) under the DBT visiting faculty programme.
5. Resource person to the Refresher Course in Life Sciences at S V University UGC - HRDC from 24.02.2021 to 9.03.2021. (given talk on **01/03/2021**).
6. Resource person attended Winter School on *Novel Insights in Life Sciences Research* in the online mode from 15/02/2021 to 27/02/2021,UGC-Human Resource Development Centre, Guru Ghasidas Vishwa vidyalaya, Bilaspur. (given talk on **27/02/2021**).
7. As a resource person attended one day National Webinar programme on “**Disease and Therapeutic Management**” held on 27th September 2020. Organized by Department of Zoology, Science College,(Autonomous) .Hinjilcut,Ganjam.Odisha.
8. Resource person to the teacher participants in the refresher course in Zoology, Berhampur University, Orissa, organised 8th December 2018.
9. National Seminar on Cultural History of Traditional Games and Sports of India at Department of Physical Education and Sports Schemes,Acharya Nagarjuna University, Ongole Campus,26-27 February-2018.**Resource Person and session Chaired**
10. National Conference on Current status in Aqua culture and its applications at Department of Zoology, Government Arts college Men, Krishnagiri, Tamil Nadu. During 16 & 17 Feb, 2017.
11. National Consultation on the role of Science and Technology in National Development at The Indian Science Congress Association, Tirupati Chapter & Siddartha Institute of Engineering and Technology, Puttur, during 21 & 22 March, 2017.
12. National Seminar on Recent Trends in Chemistry Research, Organised by Department of Chemistry, Government Degree college, Kodur, Kadapa, from 30th July, 2014.
13. UGC National Seminar on Biodiversity Conservation – Biotechnological Approaches held at Department of Botany, Duvvuri Ramanamma Womens College, Gudur, SPSR Nellore District, during 27th January, 2017.
14. Resource person to the teacher participants in the refresher course in Environmental studies, Sri Venkateswara University Tirupati, organised from 01.06.2015 to 20.06.2015.
15. Invited lecturer given on Influence of Medicinal Plants in Human Life in M.V.N.J.S and R.V.R Degree college, Malkipuram, East Godavari district, 22nd November, 2014.

16. Invited lecturer given on Influence of Medicinal Plants in Human Life in A.S.S.N Degree College, Palakol, East Godavari district, on 23rd November, 2014.

WORKSHOPS AND SEMINARS ATTENDED / PAPER PRESENTED

I. INTERNATIONAL CONFERENCE

1. **M. Mastan (2021)** “International Webinar on Urban Farming-Mushroom Cultivation” held on 27th February 2021 at Dept. of Botany, Sri Venkateswara University, Tirupati.
2. **M. Mastan (2021)** “International Webinar on Urban Farming-Soilless Cultivation” held on 27th January 2021 at Dept. of Botany, Sri Venkateswara University, Tirupati.
3. **M. Mastan (2018)** 8th International Conference on Sustainable Waste Management IconSWM, held at Nagarjuna University Guntur on 22-24 November, 2018.
4. **M. Mastan (2017)** The Indian Science Congress Association, held at S.V. University, from January 3- 7, 2017.
5. **M. Mastan (2013)** International symposium on Environmental Pollution, Nutrition & Genetics held at Department of Chemistry, Vikrama Simhapuri University, Nellore during 27-29 December, 2013.
6. **M. Mastan (2013)** International conference on Vocational Education and Training: Professionalism as an inclusive Policy – Status and Challenges held at during 20th to 21st February, 2013 at S.V. University, Tirupati.
7. **M. Mastan (2012)** International symposium on Environmental impacts health implications and therapeutic approaches ISEHT-2012, during July, 15th – 17th, 2012 held at Department of Biotechnology, Vikrama Simhapuri University, Nellore.
8. **M. Mastan (2012)** International Conference on Eco-Technology and Sustainability Science, Biodiversity and Sustainable Development organized by Indian Science Congress Association (ISCA) during February 29th to March 2nd 2012 at S.V. Vedic University, Tirupati.
9. **M. Mastan (2008)** International Seminar on Medicinal Plants and Herbal products held at Department of Botany, Sri Venkateswara University. Tirupati, Andhra Pradesh during 9th March to 11 March 2008
10. **M. Mastan (2007)** International Symposium on Medicinal and Nutraceutical plants at Macon, Georgia, USA during 19-23 March 2007
11. **M. Mastan (2006)** International symposium on science in new mellenium held at Department of Biochemistry, University of Madras, Tamilnadu during 12th June to 13th June 2006.

II. NATIONAL CONFERENCES

1. Prabhudas V Shanmugam and **Mastan Mannarapu (2020)**. National Seminar On Dravidian Herbal Heritage and Modern Clinical systems. Held at Department of Biotechnology, School of Herbal Studies and Naturo Sciences. Dravidian University, Kuppam.
2. Charan Kantam and **M. Mastan (2019)** National Seminar on Emerging Trends and Challenges in life Sciences held at Davangere University, Davangere, Karnataka on April 26th-27th, 2019.
3. Ramesh Punnam and **M. Mastan (2019)** National Seminar on Emerging Trends and Challenges in life Sciences held at Davangere University, Davangere, Karnataka on April 26th-27th, 2019.
4. **M. Mastan (2019)** National Seminar on Current Status and Future Prospects in Life Sciences held at Department of Biotechnology, Dravidian University, Kuppam on March 28th-29th, 2019.
5. **M. Mastan (2019)** National Conference on Marine Polution and Ecotoxicology : Strategies for Sustainable Ecosystem(MPESSE-2019).held at Vikrama Simhapuri University, Nellore on 13th-14th March,2019.
6. **M. Mastan (2019)** National Conference on Recent Trends and Challenges in Chemical Sciences held at Department of Chemistry, Dravidian University, Kuppam on March 11th-12th, 2019.
7. **M. Mastan (2018)** National Conference on Future India Science and Technology (Indian Science Congress) held at Gayathri Vidya Parishat Degree and PG College Vishakapatnam on September 30th to 02nd October.
8. Prabhudas S and **M. Mastan (2018)** National Conference on Future India Science and Technology (Indian Science Congress) held at Gayathri Vidya Parishat Degree and PG College Visakhapatnam on September 30th to 02nd October.
9. **M. Mastan (2019)** National Seminar on Future Challenges in Biotechnology held at Department of Biotechnology, Sri Venkateswara University, Tirupati on March 26th-28th, 2018.
10. **M. Mastan (2017)** National Conference on Big Data Technologies and Applications held at Department of Computer Science, Dravidian University, Kuppam, during 15-16 March, 2017.

11. **M. Mastan (2017)** National Seminar on Recent Advances in Biotechnology, held at Department of Biotechnology, Dravidian University, Kuppam, during 9-10 February, 2017.
12. **M. Mastan (2016)** National Conference on Coastal and Marine Biodiversity of India : Prospects, Threats and Conservation Strategies, Department of Marine Biology, Vikrama Simhapuri University, SPSR Nellore, During 16-17 September, 2016.
13. **M. Mastan (2015)** National Seminar on Recent Trends in Biological Sciences, Organized by Department of Zoology, Government Arts College (Men), Krishnagiri, Tamil Nadu, During 26th August, 2015.
14. **M. Mastan (2015)** National Seminar on Biocultural diversity : Emerging Perspectives and New Challenges, Organized by Department of Anthropology, Sri Venkateswara University, Tirupati, During 12-13 March, 2015.
15. **M. Mastan (2014)** National Seminar on Present Status and Future Perspective of Modern Biotechnology and their applications, Organized by Department of Biotechnology, Dravidian University, Kuppam, from 27th to 29th March. 2014.
16. **M. Mastan and K. Shirisha (2014)** National Seminar on “Present Status and Future Prospects of Modern Biotechnology and Their Applications” held at Department of Biotechnology, Dravidian University, Kuppam during 27-29 March, 2014.
17. **M. Mastan and B. Salma Begum (2014)** National Seminar on “Present Status and Future Prospects of Modern Biotechnology and Their Applications” held at Department of Biotechnology, Dravidian University, Kuppam during 27-29 March, 2014.
18. **M. Mastan and S. Prabhudas (2014)** National Seminar on “Present Status and Future Prospects of Modern Biotechnology and Their Applications” held at Department of Biotechnology, Dravidian University, Kuppam during 27-29 March, 2014.
19. **M. Mastan (2013)** National Workshop on *Litopenaeus vannamei* culture in India problems & prospects held at Department of Marine Biology, Vikrama Simhapuri University, Nellore during 20-22 July, 2013.
20. **M. Mastan (2013)** National Workshop on Molecular diagnostics for identification of Microorganisms in Aquaculture:”MIMA-2013” organized by Department of Marine Biology, Vikrama Simhapuri University, Nellore during 27-29 November, 2013.
21. **M. Mastan (2013)** National Seminar on Perspectives of phytomedicine and Medicinal plants conservation held at Department of Botany, S.V. University, Tiruapti during 22nd – 23rd March, 2013.
22. **M. Mastan (2012)** National Seminar on Emerging Trends in Biotechnology: Challenges and Opportunities held at Department of Biotechnology, Dravidian University, Kuppam during 13th – 15th March, 2012.

23. **M. Mastan (2011)** National Seminar on Influence of Medicinal Plants on Human Life held at Department of Biotechnology, Dravidian University, Kuppam during 19th – 20th August, 2011.
24. **M. Mastan (2011)** National Seminar on emerging trends in marine and coastal studies held at Department of Marine Biology, Vikrama Simhapuri University, Nellore during 30th – 31st January, 2011.
25. **M. Mastan (2003)** National Conference on Trends in Biological Chemistry held at department of Biochemistry S.V. University, Tirupati Andhra Pradesh 26-28 Dec 2003
26. **M. Mastan (2003)** National symposium on physiological Approaches to Conserve Biodiversity and to tackle Environmental health hazards held at department of zoology S.V. University, Tirupati Andhra Pradesh 26-28 Feb 2003.
27. **M. Mastan (1998)** National Symposium on Recent trends in Biological Sciences held at Department of Botany, S.V. University, Tirupati Andhra Pradesh 16-18 Oct 1998
28. **M. Mastan (1997) National Symposium on *Tamarindus indica*** held at Biotechnology Research centre, Tirupati, Andhra Pradesh during 27-28 June 1997
29. **A National workshop on Familiarisation of Choice Based Credit System (CBCS)** Held at Department of Education and HRD, Dravidian University from 7th to 8th September, 2016
30. **A National Work Shop on Dravidian Herbal Heritage and Modern Clinical systems.** Held at Department of Biotechnology school of Harbal Studies and Naturo Sciences, Dravidian University. Andhra Pradesh, India. During 1st – 4th August, 2006.
31. Participated U.G.C. **National seminar Role of Chemistry in Drug Development Strategies** held at S.V. Arts College for men(T.T.D),Department of chemistry, Tirupati during 13-14-2005
32. Work shop on **Rapid Assessment survey on medicinal plants** of Rayalaseema region held by T.T.D Tirupati. A.P. 10-11 Feb2000
33. Work shop on **Biodiversity** at A.P. Forest Department, Tirupati in 26-27 June 1996
34. Work shop on **Recent trends in Bio-chemistry** held at Department of Bio-chemistry S.V. University, Tirupati. During 16-18 Feb 1996.

SHORT TERM TRAINING COURSES ATTENDED

- Molecular biology techniques, Protein purification studies, Cell culture techniques and cloning techniques

TITLE OF Ph. D THESIS

- “Protective effect of *Bacopa monniera* on cytarabine induced oxidative damage in chick embryo”

PAPERS PUBLISHED

I. INTERNATIONAL

1. **Upendra.Gunta and M.Mastan (2023)**.Identification of potential insulinotropic cytotoxins from Indian Cobra snake venom using high resolution mass spectrometry and analyzing their possible interactions with potassium channel receptors by In silico studies. International Journal of Applied Biochemistry and Biotechnology. <https://doi.org/10.10007/s12010-023-04523-9>. **Impact factor:3.8.**
2. **Upendra.Gunta and M.Mastan (2023)**.Investigating the binding efficacy of snake venom proteins as GLP-1 analogs for diabetes mellitus management: an In Silico study. International journal of Oriental Journal of Chemistry.ISSN:0970-020X. Vol :39. No(3):Pg.581-591. <http://dx.doi.org/10.13005/ojc/390306> **Impact factor;0.8.**
3. **M. Mastan (2022)**.Phyto-engineered *Andrographis alata* Zinc oxide nanoparticles and their potentials of antibacterial and anti oxidant activities *In vivo*. International Journal of Science and Research Archive.07(02).255-268.UGC care list. ISSN: 2582-8185. <https://doi.org/10.30574/ijsra.2022.7.2.0268>
4. **M. Mastan (2022)**. Targeting the tumor microenvironment of pancreatic ductal adenocarcinoma using nano-phytomedicines” International Journal of Seminars in Cancer Biology.86 (2022)1155-1162. [10.1016/j.semancer.2021.06.014](https://doi.org/10.1016/j.semancer.2021.06.014) **Impact factor: 15.707.**
5. **M. Mastan (2022)**. Targetting of zinc oxide nanoparticles using aqueous extract of *Andrographis paniculata*: characterization,optimization and assessment of their antibacterial,antioxidant,antidiabetic and anti-Alzheimer’s properties.International Journal of Molecular Structure. . <https://doi.org/10.1016/j.molstruc.2022.134264> **Impact factor: 3.57**
6. **M. Mastan (2021)** “Targeting the tumor microenvironment of pancreatic ductal adenocarcinoma using nano-phytomedicines” International Journal of Seminars in Cancer Biology. 1044-579X/2021 Seminars in Cancer Biology, 18:86(Pt2) 1155-1162. <https://doi.org/10.1016/j.semancer.2021.06.014>. **Impact factor: 15.707.**
7. **M. Mastan (2021)** “Application of single cell sequencing technologies in pancreatic cancer” International journal of Molecular and Cellular Biochemistry (MCBI). Mol Cell Biochem (2021). <https://doi.org/10.1007/s11010-021-04095-4>. **Impact factor: 3.396.**
8. Prabhudas V Shanmugam and **Mastan Mannarapu (2020)**. Evaluation of Antioxidant activity and its efficacy in Synthesized AgNPs of Green tea. International Journal of

9. Punnam Ramesh babu, **M Mastan** Debasish Sahool Virendra Vaishnav(2019) Comparative analysis of Agrowaste for their potential in Bio ethanol production International of journal of Research and analytical reviews(IJRAR).ISSN 2349-5138P. Volume 6, issue 2. <https://www.researchgate.net/publication/351228247> (UGC Care list)
10. Punnam Ramesh babu, **M Mastan** Debasish Sahool Virendra Vaishnav (2019). Optimization of Ethanol production from Pineapple Peel by *Saccharomyces cerevisiae*. IJASRM International journal of advanced scientific research and management.(IJASRM)ISSN 2455-6378, volume 4 issue5. https://ijasrm.com/wp-content/uploads/2019/05/IJASRM_V4S5_1512_355_358.pdf (UGC Care list)
11. Vidya Mukund^a and **Mastan Mannarapu^d** (2019) Molecular docking studies of angiogenesis target protein HIF-1 α and genistein in breast cancer. International Journal of Gene ISSN: 0378-1119, Volume 701, Page 169-172. **Impact factor: 3.688**Curr Pharm Des. 2017;23(41):6321-6346. doi: [10.1016/j.gene.2019.03.062](https://doi.org/10.1016/j.gene.2019.03.062)
12. S. Prabhudas and **Mastan M** (2019), Biosynthesis and characterization of silver nanoparticles by using green tea leaf extract from *Camellia sinensis*. International Journal of Advanced Scientific Research ISSN: 2456-0421; Volume 4; Issue 06; Page No:01 to 04(UGC care list)
<https://www.multidisciplinaryarticle.com/assets/archives/2019/vol4issue6/4-5-20-216.pdf>
13. Putta. S¹, **Mannarapu M⁷** and Bishayee. A¹⁷ (2017) Anthocyanins : Possible role as multitarget therapeutic agents for prevention and therapy of chronic diseases. current pharmaceutical design 2017;23(41):6321-6346. doi: 10.2174/1381612823666170519151801. **ISSN: 1381-6128 Impact factor: 3.2**
14. Santhoshi Muppala^a, **Mastan Mannarapu^f** and Gangi Purna Nagaraj^{c,e*}(2017) Andiponectin : Its role in obesity – associated colon and prostate cancers. International Journal of Critical reviews in Oncology hematology **ISSN: 1040-8428** Vol 116 Pg 125-133. **Impact factor: 6.312.**
15. **Mastan Mannarapu*** (2017) Genistein Colon its role in metabolic diseases and cancer. International Journal of Critical reviews in oncology hematology. **ISSN: 1040-8428** Vol 119, pg 13-22. **Impact factor: 6.312**
16. S. Prabhudas and **Mastan Mannarapu*** (2017). Biosynthesis and characterization of silver nanoparticles by using green tea leaf extract from *Camellia sinensis*. Springer Publishers : International journal of 3 Biotech. (peer review) **Impact factor: 1.361**
17. Murali mohan. K, **Mastan Mannarapu**, S. Prabhudas and Nagalakshmi devamma M*. (2017). Protective effect of Barleria prinoitis against cyclophosphamide induced biochemical changes in chick embryo. International journal of pharmaceutical sciences and research. (peer review) **Impact factor: 1.11**

18. Murali mohan. K, **Mastan Mannarapu**, S. Prabhudas and Nagalakshmi devamma M*. (2017). Protective effect of *Barleria prinoitis* against cyclophosphamide induced oxidative damage in chick embryo. International journal of Pharmacognosy and Phytotherapy. (peer review) **Impact factor: 0.3**
19. Shirisha. K, and **Mastan. M** , (2013) Effect of Antioxidant status on liver following Atrazine exposure and its protection by *Andrographis paniculata*. IOSR Journal of Pharmacy and Biological Sciences (e)-ISSN:2278-3008, (p)-ISSN:2319-7676. Vo.7(1) Pp 36-41.
20. Shirisha. K, B. Salma Begum and **Mastan. M** , (2013) Protective effect of *Andrographis paniculata* Against atrazine induced genotoxicity in albino rats. IOSR Journal of Pharmacy (e)-ISSN:2250-3013, (p)-ISSN:2319-4219. Pp 17-21.
21. Shirisha. K, and **Mastan. M** , (2013) *Andrographis paniculata* and its bioactive phytochemical constituents for oxidative damage: A systemic review. Pharmacophore, Vol 4(6), 212-229 ISSN 2229-5402.
22. Dilli Varaprasad. E, Mastan.M, Sobha Rani.T and Venkat. G, (2012) Synthesis and biological evaluation of (E)-3-(2-(4-substituted phenyl) – IH–Indole–3 YL)–(4 substituted phenyl) prop–2 EN-1-one –As Anti-inflammatory Agents. IRIP 3(12).
23. Dilli Varaprasad. E, Mastan.M and Shobha Rani.T (2012) Synthesis and biological evaluation of 2-aryl-3-isoxazolinyl-indole derivatives as anti-inflammatory agents. IOSR Journal of Applied Chemistry (IOSR-JAC) Vol.2 Issue 3, PP 44-49.
24. Dilli Varaprasad. E, Mastan.M and Sobha Rani.T (2012) Synthesis and evaluation of analgesic activity of novel series of Indole derivatives linked to isoxazole moiety. International Journal of Scholars Research Library, Der Pharmacia Letter, 4 (5):1431-1437.
25. Naidu, C.V, A.R.Reddy, **Mastan,M.**,P.S.Anand,S.H.Reddy and K.V.Saritha, B., (2007). A Survey on Anti diabetic Medicinal plants in Rayalaseema Region of Andhra Pradesh, India. Acta Horti.756:245-249.

II. NATIONAL

1. Murali Mohan. K, **Mastan. M**, S. Prabhudas (2017) Phytochemical, Antibacterial activity of *Pyla nodiflora* whole plant extract of ethanol and methanol. Ideal Science Review ISSN: 2320-1819 Vol. – 11, No.1 Pg. 9-18.
2. Murali Mohan. **K**, **Mastan. M**, S. Prabhudas (2017) Phytochemical, Antibacterial and antioxidant activity of *Barleria prinoitis*. Ideal Science Review ISSN: 2320-1819 Vol. – 11, No.1 Pg. 17-22.

3. Salma Begum. B, and **Mastan. M**, (2015) Phytochemical screening chromatographic analysis of Chloroform extract of *Conium maculatum*. International Research Journal of Biological Sciences ISSN: 2278 - 3202 Vol.-4(3), 27-29.
4. Shirisha. K, and **Mastan. M** , (2013) Phytochemical screening and Antimicrobial activity of *Andrographis paniculata*. Ideal Sciecn Review ISSN: 2320-1819 Vol.-II, No.-I. Pp 19-23
5. S. Prabhudas, A. Rizwan Ali and **Mastan. M**. (2012) Production of Single Cell Protein from fruit wastes. Ideal Research Review Vol.36, 42-46. No.I, ISSN No.09-73-0583 Delhi.
6. K. Vasundara and **Mastan. M**. (2012) Insilico analysis and indentification of Ricin protein. Ideal Research Review Vol. 34, 1-12, No.II, ISSN No. 09-73-0583 Delhi.
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Dr. M. MASTAN
Professor of Biotechnology
Dravidian University
KUPPAM - 517 425.