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Address: Hyderabad ,Telangana,India - 700085

Expertise

Developmental Biology

Plant Biotechnology. In vitro production of bioactive compounds from medicinal plants using biotechnological and molecular approaches. Metabolic engineering of secondary metabolites. Production of high value recombinant proteins in plant cell cultures. Transcriptomics.

Work experience

1. Jawaharlal Nehru Technological University Institute of Science and Technology 2018 — Present

Professor
Ranga reddy

2. Jawaharlal Nehru Technological University Institute of Science and Technology 2015 — 2017

Associate Professor
Hyderabad

3. IST, JNTUH 2008 — 2012

Head of the Department
Hyderabad

4. Jawaharlal Nehru Technological University Institute of Science and Technology 2006 — 2014

Assistant Professor
Hyderabad

5. **Jawaharlal Nehru Technological University Institute of Science and Technology 2004 — 2006**

Senior Research Associate
Hyderabad

6. **Jawaharlal Nehru Technological University Institute of Science and Technology 2001 — 2004**

Project Scientist
Hyderabad

7. **Jawaharlal Nehru Technological University Institute of Science and Technology 1996 — 2001**

Research Associate
Hyderabad

Education

1. **Ph D - 1995**

Central Institute of Medicinal and Aromatic Plants , Lucknow

2. **M.Sc. - 1986**

Kumaun University, Nainital

3. **B.Sc. - 1984**

Kumaun University

Honours and Awards

1. **UGC-BSR Mid Career Award - 2021**

UGC

2. **Fellow - 2019**

Telangana Academy of Sciences

3. State Meritorious teacher Award - 2019

Govt. of Telangana

Research Project

Transcriptome and differential gene expression analysis of elicited *Curcuma longa* hairy roots for biosynthetic pathway elucidation: An improved curcuminoid production strategy

Role: Principal Investigator
Year 2021, Amount Ten Lakh

Elicitation as a tool to improve flavonoid production in *Alpinia purpurata* cell suspensions and transcriptome analysis to study flavonoid biosynthetic pathway. Funding Agency

Role: Principal Investigator
Year 2019, Amount 2.0 Lakh

Enhanced production of curcumin from hairy root rhizoclones and elicitation driven gene expression studies in *Curcuma longa*

Role: Principal Investigator
Year 2018, Amount 2 Lakh

Production of High Value Recombinant Protein- Adiponectin in Plant Cell Cultures – A Biopharming Initiative

Role: Principal Investigator
Year 2015, Amount 13.6 Lakhs

Biochemical elucidation of *Centella asiatica* leaf epidermome , cloning and over expression of the genes involved in the production of pharmaceutically important centellosides

Role: Principal Investigator
Year 2013, Amount 32 Lakhs

Bioprocessing of therapeutically important centellocides (triterpenoids) from *Centella asiatica*

Role: Principal Investigator
Year 2015, Amount 2 Lakh

Cloning, expression, purification and characterization of L-Asparaginase-II

Role: Principal Investigator
Year 2015, Amount 1.75 Lakh

Bioprocess development for adiponectin production using cell root cultures of *Withania somnifera*

Role: Principal Investigator
Year 2012, Amount 16.8 Lakhs

Improved production of Gymnemic acid by elicitation using in vitro transformed cultures of *Gymnema sylvestre*”

Role: Principal Investigator
Year 2008, Amount 9.5 Lakhs

Enhanced production of andrographolides by elicitation using in vitro transformed cultures of *Andrographis paniculata*”

Role: Principal Investigator
Year 2007, Amount 8.6 Lakhs

Production of anticancer compound andrographolites by using genetically transformed cultures of *Andrographis paniculata*.

Role: Pool Officer & Principal Investigator
Year 2004, Amount 15 Lakhs

Production of clinically useful anticancer indole alkaloids (vincristine and vinblastine) from transformed cultures of *Catharanthus roseus*

Role: Young Scientist & Principal Investigator
Year 2001, Amount 15 Lakhs

Production of podophyllotoxin from transgenic hairy root cultures of *Podophyllum hexandrum*

Role: Research Associate & Principal Investigator
Year 1996, Amount 15 Lakhs

Membership In Professional Bodies

1. Indian Science Congress Association, 2018
Life member

Membership In Committees

1. Institutional Biosafety Committee for Indian Immunologicals, , 2017
DBT Nominee

2. • Member Board of Studies for Harare Institute of Technology, Zimbabwe, 2015
Member
3. Institutional Biosafety Committee for NATCO Pharma, 2014
Member
4. Board of Studies, JNTU Hyderabad, 2013
BOS Chairperson

Publication

1. Investigating the biofilm trait in the clinical isolates of *Acinetobacter baumannii* from a tertiary care hospital in India
Saipriya Kamaraju, Dr. Venkataraman Sritharan and Dr. Archana Giri
International Journal of Research in Medical Science, Volume 5, Year 2023, Pages 18-24
2. A Rapid Method to Screen for Multi Drug Resistance (MDR) Trait in Clinical Isolates of *Acinetobacter baumannii*-Acyl Homoserine Lactone (AHL) Screening in CRAB and CSAB Isolates
Saipriya Kamaraju, Dr. Venkataraman Sritharan and Dr. Archana Giri
Microbiology Research Journal International, Volume 33, Year 2023, Pages 41-49
3. Cultivation and Marketing of Important Flower Crops in Dindigul District of Tamil Nadu
Preethi, S., P. Hemalatha, S. Selvanayagi, R. Ravi and R. Banoo
Current Journal of Applied Science and Technology, Volume 42 (13), Year 2023, Pages 28-33
4. Recent Trends in Elicitation and Secondary Metabolic Pathway Analysis in Medicinal Plants: An Integrated Transcriptomics and Proteomics Approach
Archana Giri and C C Giri
Medicinal and Aromatic Plants of India , Volume 1, Year 2022, Pages 403-430
5. Development of efficient *Agrobacterium rhizogenes*-mediated hairy root system in *Curcuma longa* L. and elicitation driven enhanced production of pharmaceutically important ...
S Sandhya, A Giri
In Vitro Cellular & Developmental Biology-Plant,, Volume -, Year 2022, Pages 1-12
6. Evaluation of recombinant inbred lines for low soil phosphorous tolerance derived from Rasi-a low soil phosphorous tolerant variety
A Miriyala, A Giri, RM Sundaram
Electronic Journal of Plant Breeding, Volume 13 (3),, Year 2022, Pages 800-809

7. Screening of RIL mapping population derived from the rice variety- Rasi, for low soil phosphorous tolerance and bacterial leaf blight resistance

ANILA M , R M SUNDARAM* AND ARCHANA GIRI

Journal of Pharma Research, Volume 11, Year 2022, Pages 38-43

8. Antioxidant potential of medicinal plants

S. S. Sravanthi Pammi, Bastipati Suresh, Archana Giri

Journal of Crop Science and Biotechnology, Volume 2022, Year 2022, Pages 1-14

9. Optimized conditions for growth kinetics and production of pharmaceutically important Kaempferol from *Alpinia purpurata* cell suspensions

Kotturu Mounika, Kohirkar Mounika, Jangiti Jyothi Priya, Chodiseti Bhuvaneshwari, Rao Kiranmayee and Archana Giri

Res. J. Biotech, Volume 16(1), Year 2021, Pages 1-8

10. Phytochemicals and Their Antimicrobial Activity: An Update on Their Mode of Action.

Sravanthi Pammi S. S. and Archana Giri

International Journal of Clinical and Experimental Medicine Research, , Volume 5, Year 2021, Pages 41-69

11. Production of therapeutically important coumarin-scopoletin from suspension cultures of *Abutilon indicum*

Medagani Sairam, Chilukuri Urmila, Rao Kiranmayee, Chodiseti Bhuvaneshwari, Ranjit Pabbati and Archana

Res. J. Biotech , Volume 16 (2), Year 2021, Pages 93-98

12. Methyl jasmonate (MJ) and salicylic acid (SA) driven elicitation for enhanced production of curcuminoids from in vitro grown plants of *Curcuma longa*.

Sandhya S., Swecha P., Bhuvaneshwari Ch, Rao Kiranmayee and Archana

Res. J. Chem. Environ , Volume 25 (2), Year 2021, Pages 89-95

13. Cadmium Chloride elicitation of *Abutilon indicum* cell suspension cultures for enhanced stigmasterol production. *Plant Biosystems*

Kiranmayee Rao, Bhuvaneshwari Chodiseti, Suryakala Gandhi, Archana Giri & P. B. Kavi Kishor

Plant Biosystems, Volume -, Year 2021, Pages -

14. Bio Active Compounds of *Salacia oblonga* Wall Against Drug Resistant Pathogen *Staphylococcus aureus*

Anjaneyulu Musini and Archana Giri

Bioactive Molecules against Infectious Diseases: Current Concepts & Updates, Volume 1, Year 2021, Pages 1-14

15. Analysis of root extracts of *Polycarpha aurea* in various organic solvents for their total polyphenolic content, total flavonoid content, and free radical scavenging activity

Deepak Raj K and Archana Giri

16. **Drug resistance mechanism in Staphylococcus aureus**
Anjaneyulu Musini, Priyanka Kandula and Archana Giri
Innovations in Biotechnology for a sustainable future, Volume -, Year 2021, Pages 355-376
17. **In vitro cytotoxic activity of Phyllanthus amarus Schum. & Thonn.**
Surya Satya Sravanthi and Archana Giri
World Journal of Biology Pharmacy and Health Sciences, Volume 06(02), Year 2021, Pages 034-042
18. **A growing concern of e-Waste in today's Environment**
Surya Satya Sravanthi and Archana Giri,
Science Spectrum , Volume 5, Year 2020, Pages 18-27
19. **In vitro Evaluation of Stem Extracts of Polycarpeae aurea Wight and Arn for their Total Phenolic Content, Total Flavonoid Content and Antioxidant Potency**
Deepak Raj K., Ranjit P. and Giri Archana
Res. J. Chem. Environ. , Volume 24, Year 2020, Pages 61-68
20. **Is Quorum sensing inhibition a potential target to combat multidrug resistant Acinetobacter baumannii? -A Proof of concept study**
Saipriya Kamaraju, Swathi Cheguri, Sireesha Divyakolu, Archana Giri & Venkataraman Sritharan
IOSR Journal of Biotechnology and Biochemistry , Volume 6, Year 2020, Pages 35-42
21. **Isolation of potential antimicrobial compounds from Salacia oblonga wall and their synergistic effect on human pathogens**
Anjaneyulu Musini† , Jayaram Prakash Raot and Archana Giri
Journal of Microbiology, Biotechnology and Food Sciences, Volume 9, Year 2020, Pages 7-11
22. **Enhanced Production of Therapeutically Valuable Withaferin A From In Vitro Propagated Withania Somnifera (L.) Dunal**
Sukanya MS and Archana Giri
International Journal of Scientific Research in Research Paper . Biological Sciences, Volume 7, Year 2020, Pages 01-06,
23. **Cytotoxicity of Salacia oblonga extracts against cancer and normal cells and isolation of bioactive compounds**
Anjaneyulu Musini^{1*}, Bhargavi Pokala², Zahoorullah S.M.D.³ and Archana Giri¹
Research Journal of Biotechnology, Volume 15, Year 2020, Pages 105-110
24. **Evaluation of biological activities of Pimpinella Tirupatiensis extracts and transcriptome analysis for mapping of terpenoid pathway"**
ARCHANA GIRI and PABBATI RANJIT
The 3rd the Belt and Road International Conference on Traditional Medicine (Nov.8-10, 2019), Volume -, Year 2019, Pages 22
25. **Assessment of potentiality of bifidobacteria Animalis Subsp Lactis. (HBM-NIN-06) isolated from human breast milk and its use in the development**

of probiotic curd

G Madhavi, M Shiva Prakash, G Sumalatha, KB Chathyushya, R Hemalatha, Archana Giri, M Alimelu
International Journal of food and nutritional Science, Volume 8, Year 2019, Pages 27-36

26. **Response surface optimization of in vitro culture medium for enhanced production of the therapeutically important secondary metabolite – withaferin a.**

Sukanya M S and Archana Giri

British Journal of Pharmaceutical and Medical Research. , Volume 4, Year 2019, Pages 1579-1590

27. **"Investigation of mode of action of anti bacterial activity of Salacia oblonga extracts against drug resistant pathogen"**

Anjaneyulu Musini and Archana Giri

Brazilian Archives of Biology and Technology., Volume 62, Year 2019, Pages 1-10

28. **Insilico adme profiling of cdk9 inhibitors.**

Ravi Kumar k. , Archana Giri , Rama Rao Nadendla

Journal of scientific research in pharmacy , Volume 7, Year 2018, Pages 30-34

29. **Improvement of blast resistance of the popular high-yielding, medium slender-grain type, bacterial blight resistant rice variety, Improved Samba Mahsuri by marker-assisted breeding.**

G. Rekha, V. Abhilash Kumar, B. C. Viraktamath, K. Pranathi, M. B. V. N. Kousik, B. Laxmi Prasanna, C. Backiyalakshmi, Pragya Sinha, R. K. Ravindra, S. Bhaskar, S. K. Hajira, C. H. Balachiranjeevi, K. Swapnil, R. Rambabu, G. Harika, E. Punniakotti, M. Anila, H. K. Mahadev, T. Dilip Kumar, A. Yugander, K. Chaitra, M. Praveen, K. R. Madhavi, M. S. Prasad, G. S. Laha, C. N. Neeraja, S. M. Balachandran, P. Senguttuvel, R. A. Fiyaz, J. Badri, A. Giri, L. V. Subba Rao, V. Ravindra Babu, R. M. Sundaram
Journal of Plant Biochemistry and Biotechnology. , Volume 27, Year 2018, Pages 463-472

30. **Marker-assisted pyramiding of two major broad-spectrum bacterial blight resistance genes, Xa21 and Xa33 into an elite maintainer line of rice, DRR17B. PONE-D-18-20365R1**

Balachiranjeevi C. H. , Bhaskar Naik S. , Abhilash Kumar V. , Harika G. , Mahadev Swamy H. K. , Hajira Sk, Dilip Kumar T. , Anila M. , Kale R. R. , Yugender A. , Pranathi K. , Koushik M. B. V. N. , Suneetha K. , Bhadana V. P. , Hariprasad A. S. , Laha G. S. , Rekha G. , Balachandran S. M. , Madhav M. S. , Senguttuvel P. , Fiyaz A. R. , Viraktamath B. C. , Giri A. , Swamy B. P. M. , Jauhar Ali , Sundaram R. M
PLOS ONE , Volume 13, Year 2018, Pages 1-16

31. **Modeling and docking studies of toll like receptor 7 from homo sapiens with biosynthetic compounds rutin and kaempferol.**

Shahla Ahmadian, Archana Giri , Bhuvaneshwari Chodiseti and Archana Giri

International Journal of Scientific Research in Biological Sciences , Volume 5, Year 2018, Pages 138-145

32. **Modeling and docking studies of toll like receptor 8 from homo sapiens with natural inhibitors rutin and kaempferol"**

Shahla Ahmadian and Archana Giri

Research Journal of Life Sciences, Bioinformatics, Pharmaceutical, and Chemical Sciences (RJLBPCS) , Volume 4, Year 2018, Pages

33. **Breeding lines of the Indian mega-rice variety, MTU 1010, possessing**

protein kinaseospstol (Pup1), show better root system architecture and higher yield in ...

M Anila, HK Mahadeva Swamy, RR Kale, VP Bhadana, MS Anantha, SK Hajira, CH Balachiranjeevi, M Ayyappa Dass, S Bhaskar, T Dilip, K Pranathi, MBVN Kousik, G Harika, K Swapnil, K Chaitra, B Laxmi Prasanna, E Punniakotti, Pragma Sinha, G Rekha, V Abhilash Kumar, SM Balachandran, MS Madhav, Archana Giri, BC Viraktamath, RM SundaramM Anila, HKM Swamy, RR Kale, VP Bhadana, MS Anantha, SK Hajiraet al (2018)

Molecular Breeding , Volume 38, Year 2018, Pages 147-

34. Development of highly sensitive cell based AKT Kinase ELISA for monitoring PI3K beta activity and compound efficacy,

Mahesh Yanamandra, Labanyamoy Kole, Archana Giri & Sayan Mitra

Journal of Immunoassay and Immunochemistry, , Volume 38, Year 2017, Pages 663-674

35. Enhanced production of pharmaceutically important isoflavones from hairy root rhizoclones of *Trifolium pratense* L.

M. Anil Kumar, S.S. Sravanthi Pammi , Sukanya MS and Archana Giri

In Vitro Cellular and Developmental Biology Plants , Volume 54, Year 2017, Pages 94-103

36. In silico molecular docking approach for anticancer analysis of bioactive compounds from *Phyllanthus amarus* dimethyl formamide leaf extracts.

Archana Giri, S. S Sravanthi Pammi, M.Vasantha Lakshmi and B.Chakravarthi

International journal of research culture society (icics - 2017) , Volume -, Year 2017, Pages 152-163

37. Some properties of n - class Q operators

D.Senthilkumar, S.Parvatham

International Journal of Pure and Applied Mathematics, Volume 12, Year 2017, Pages 95-98

38. Cloning of a pharmaceutically important antidiabetic protein Acrp 30 in *E.coli*.-2017 23rd-25th March 2017 JNTU Hyderabad

Sukanya MS and Archana Giri

Proceedings of International Conference on Biotechnology and Bioengineering trends. ICBT, Volume -, Year 2017, Pages 409-415

39. Cloning and expression of Oxido Squalene Cyclase for manipulation of triterpenoid biosynthesis in *Centella asiatica*.

Shahla Ahmadian, Nutan Shivange and Archana Giri

Proceedings of International Conference on Biotechnology and Bioengineering trends. , Volume -, Year 2017, Pages 415- 422

40. In vitro evaluation of antimicrobial activity of *Pimpinella tirupatiensis* root extracts.

Ranjit P and Archana Giri

Proceedings of International Conference on Biotechnology and Bioengineering trends., Volume -, Year 2017, Pages 452- 457

41. Screening of Groungnut germplasm lines for tolerance against *Aspergillus flavus* infection and aflatoxin accumulation.

Arunima P, Kalyani P, Archana Giri, Richa K Y, Bhanagar Mathur P and Sharma KK

Proceedings of International Conference on Biotechnology and Bioengineering trends., Volume -, Year 2017, Pages 141- 147

42. Evaluation of antimicrobial potential of Polycarpaea aurea root.

Deepak Raj K and Archana Giri

Proceedings of International Conference on Biotechnology and Bioengineering trends., Volume -, Year 2017, Pages 513- 520

43. Evaluation of anticancer potential of B amyryn isolated and characterized from Salacia oblonga Wall root extract.

Anjaneyulu Musini and Archana Giri

Proceedings of International Conference on Biotechnology and Bioengineering trends., Volume -, Year 2017, Pages 635- 640

44. A comparative study on the physicochemical and bacteriological parameters of the tap, bore and well water in a village of Telangana.

Ravindar Reddy, Archana Giri, Venkata Sai Rohith and Venkateshwar Reddy K

Proceedings of International Conference on Biotechnology and Bioengineering trends., Volume -, Year 2017, Pages 363- 369

45. Impact of Cotton Ginning Industry Effluents on soil enzyme activities.

Manogna P, Archana giri and Venkateshwar Reddy K

Proceedings of 3rd International Conference on Environmental Management , Volume -, Year 2017, Pages 146-152

46. Peroxidase-like activity of gum kondagogu reduced/stabilized palladium nanoparticles and its analytical application for colorimetric detection of glucose in biological samples.

Lori Rastogi, D. Karunasagar, R.B Sashidhar , Archana Giri

Sensors and Actuators B: Chemical . , Volume 240, Year 2017, Pages 1182-1188

47. Virtual Screening of CDK9 Inhibitors as Potential Anti Cancer Drugs.

Ravi Kumar K., Archana Giri and Rama Rao Nadendla

International Journal of Computer Applications , Volume 157, Year 2017, Pages 40-46

48. Production of sapogenins (stigmasterol and hecogenin) from genetically transformed hairy root cultures of Chlorophytum borivillianum (Safed musli)

Gayathri Bathoju • Kiranmayee Rao • Archana Giri

Plant Cell Tiss Organ Cult , Volume 131, Year 2017, Pages 369-376

49. Development of host plant resistance in an elite maintainer line DRR17B for Bacterial Blight and Blast through marker assisted backcross selection.

Balachiranjeevi CH, Bhaskar Naik S, Abhilash V, Mahadeva Swamy HK , Harika G, Hajira SK, Hari Prasad AS, Laha G S, Madav MS Sundaram RM, Archana Giri

IJSR - International Journal of Scientific Research, Volume 4, Year 2016, Pages 27-29

50. Metabolic fingerprinting of root, stem and leaf extracts of Phyllanthus amarus.

Sravanthi PSS, Padmavathi TVS and Archana Giri
Journal of Phytology , Volume 8, Year 2016, Pages 17-21

51. **HPLC Polyphenolics Profile and H₂O₂ Induced Cytoprotective Effect of *Salacia oblonga* Extracts on Human Lymphocytes.**

Anjaneyulu Musini, Suryakala Gandhi, Kiranmayee Rao, Archana Giri
Advances in Biological Chemistry, , Volume 6, Year 2016, Pages 19-27

52. **(2016) Regeneration-Based Quantification of Coumarins (Scopoletin and Scoparone) in *Abutilon indicum* In Vitro Cultures.**

Kiranmayee Rao & Bhuvaneshwari Chodiseti & Suryakala Gandhi, Archana Giri & P. B. Kavi Kishor
Appl Biochem Biotechnol , Volume , Year 2016, Pages 180: 766-779

53. **Evaluation of antimicrobial activity of leaf extracts of *Pimpinella tirupatiensis*.**

P Ranjit, Archana Giri and K Deepak Raj
Research Journal of Pharmaceutical, Biological and Chemical Sciences , Volume 7, Year 2016, Pages 1220 -1225

54. **In vitro antimicrobial and antioxidant activities of *Pimpinella tirupatiensis* leaf methanolic and ethyl acetate extracts.**

P. Ranjit and Archana Giri
Journal of Chemical and Pharmaceutical Research, , Volume 8, Year 2016, Pages 801-806

55. **Enhanced production of Withaferin A from high yielding clones of *Withania somnifera* (L.)Dunal. 4-6th October 2016 at**

Sukanya MS Mounika R, Vasavi P and Archana Giri
Proceedings of Trend setting innovations in chemical sciences & Technology nature inspired chemistry and engineering., Volume -, Year 2016, Pages 239-243

56. **In vitro antimicrobial and antioxidant activities of *Pimpinella tirupatiensis* leaf methanolic and ethyl acetate extracts.**

P. Ranjit and Archana Giri
Journal of Chemical and Pharmaceutical Research,, Volume 8, Year 2016, Pages 801-806

57. **introgression of major bacterial blight and blast resistant genes into vallabh basmati 22, an elite basmati variety**

Srikanth. S, Manish K Pandey, Bala Chiranjeevi. Ch, Hajira. SK, Vijay Kumar. S, MBVN Kousik, Bhadana VP, Sheshu Madhav. M, 1Suneetha. K, Subba Rao LV, 1Kumaraswamy. M, Archana Giri, Laxmi Narasu. B, Shobha Rani. N, and Sundaram RM
International Journal of Development Research , Volume 6, Year 2016, Pages 8366-8370

58. **marker assisted improvement of the elite basmati variety, iet 18006 for resistance against bacterial blight and blast**

Srikanth, S., Manish Pandey,MEVN Kousik, Vijay Kumar S, Bala Chiranjeevi. Ch, Hajira, S. K., Bhadana, V.P, Sheshu Madhav. M, 1Suneetha. K, Subba Rao LV, Archana Giri, Shobha Rani. N, and Sundaram RM.
International Journal of Current Research , Volume 8, Year 2016, Pages 33827-33830

59. **A Validated RP-HPLC Method for Simultaneous Determination of Daidzein, Genistein, Formononetin and Biochanin A from In Vitro Cultured Cells of**

Trifolium pratense L. (Fabaceae)

Anil Kumar M., Vishnu Prasanth V. and Archana Giri
Der Pharma Chemica,, Volume 8, Year 2016, Pages 16-21

60. **Analysis of bioactive compounds and antimicrobial screening of Phyllanthus amarus Schum. and Thonn.**
S. S. Sravanthi Pammi, T. V. S. Padmavathi and Archana Giri
Int. J. Adv. Res. Sci. Technol. , Volume 5, Year 2016, Pages 595-603
61. **(2016) Pharmacological potential of an important medicinal plant Phyllanthus amarus Schum. &Thonn.**
S. S. Sravanthi Pammi, T. V. S. Padmavathi and Archana Giri
Int. J. Adv. Res. Sci. Technol., Volume 5, Year 2016, Pages 577-582.
62. **Evaluation of Total Phenolics, Flavonoids, and Antioxidant Activity of Leaf Extracts of Pimpenella tirupatensis**
P Ranjit, Ch Veneetha, and Archana Giri
Int. J. Pharm. Sci. Rev. Res.,, Volume 41, Year 2016, Pages 58-63
63. **Evaluation of Anti-oxidant potential of root, stem and leaf extracts of Phyllanthus amarus.**
S. S. Sravanthi Pammi, T. V. S. Padmavathi and Archana Giri
J. Adv. Res. Sci. Technol. , Volume 5, Year 2016, Pages 653-661
64. **Antibacterial principles of Salacia oblonga extracts against multidrug resistant Staphylococcus aureus.**
Anjaneyulu M , Sarath Mullapudi and Archana Giri
Proceedings of the National Conference in Recent Trends in Science and Technology. (NCRIST2015).
JNTUH College of Engineering 453-455 , Volume -, Year 2015, Pages 453-455
65. **Cloning of high value recombinant protein adiponectin (Acrp 30) for expression in plant cell cultures.**
Hruday Reddy V, Sukanya MS, Devika N Nagar and Archana Giri
Proceedings of the National Conference in Recent Trends in Science and Technology. (NCRIST2015).
JNTUH College of Engineering, Volume -, Year 2015, Pages 456-459
66. **(2015) Improvement of an elite maintainer line DRR17B for bacterial blight and Gall midge resistance through marker assisted selection.**
CH Balachiranjeevi . Naik S. Bhaskar A. Abhilash V, H.K. Mahadev Swamy H , A V, H. K. Mahadeva Swamy, Archana Giri and Sundaram CH1 , BHASKAR NAIK S 1 , ABHILASH V1 , MAHADEVA SWAMY HK1 , HARIKA G1 , HAJIRA SK1 , PRANATHI K, ANILA M, DILIPKUMAR T, REKHA G, HARI PRASAD AS 1 , LAHA G S 1 , MADAV MS 1 , ARCHANA GIRI 2 , SUNDARAM RM1*
Annals of Plant and soil Research , Volume 17, Year 2015, Pages 605-608
67. **Marker-assisted introgression of bacterial blight and blast resistance into DRR17B, an elite, fine-grain type maintainer line of rice.**
CH Balachiranjeevi . Naik S. Bhaskar . V. Abhilash . S. Akanksha . B. C. Viraktamath . M. S. Madhav . A. S. Hariprasad . G. S. Laha . M. S. Prasad . S. M. Balachandran . C. N. Neeraja . M. Satendra Kumar . P. Senguttuvel . K. B. Kemparaju . V. P. Bhadana . T. Ram . G. Harika . H. K. Mahadeva Swamy . S. K. Hajira

. A. Yugander . K. Pranathi . M. Anila . G. Rekha . M. B. V. N. Kousik . T. Dilip Kumar . R. K. Swapnil . Archana Giri . R. M. Sundaram
Mol Breeding , Volume 35, Year 2015, Pages 151-160

68. **Salacia oblonga Wall: An endangered plant of immense pharmaceutical value,**
Anjaneyulu Musini and Archana Giri
Journal of Chemical and Pharmaceutical Research , Volume 7, Year 2015, Pages 1125-1129
69. **Isolation of potential antimicrobial compounds from Salacia oblonga Wall and their synergistic effect on human pathogen,**
Anjaneyulu M , M. Jayarama Prakash Rao and Archana Giri
Journal of Microbiology, Biotechnology and Food Sciences, Volume 5, Year 2015, Pages 7-11
70. **Antibacterial principles of Salacia oblonga WALL extracts against drug resistant pathogens.**
Anjaneyulu Musini and Archana Giri
International Journal of Science and Research , Volume 4, Year 2015, Pages 338-340
71. **2015) Phytochemicals of Salacia oblonga responsible for free radical scavenging and antiproliferative activity against breast cancer cell lines (MDA-MB-231)**
Anjaneyulu M , M. Jayarama Prakash Rao and Archana Giri
Physiol Mol Biol Plants , Volume 21, Year 2015, Pages 583-590
72. **Analytical Method Development and Validation of HPLC for Identification and Assay of N-2 Intermediate of a Therapeutic Pentasaccharide- Fonda Parinux.**
P. Yeshwanth Goud, Archana Giri, K. Chiranjeevi, Radha Madhavi Kanumuri, N. Sandhya
International Journal for Pharmaceutical Research Scholars (IJPRS) , Volume 4, Year 2015, Pages 438-446
73. **Anticancer activity of acetone and methanol extracts of Terminalia chebula Retz and Withania somnifera (Linn.) Dunal on HeLa cell line.**
Mary Grace Jinukuti and Archana Giri
Annals of Phytomedicine , Volume 4, Year 2015, Pages 88-92
74. **Antimicrobial activity of Phyllanthus amarus plant extracts using polar and non polar solvents against gram positive and gram negative bacteria.**
Sravanthi PSS. Padmavathi TVS and Archana Giri
International Journal of Current Research , Volume 7, Year 2015, Pages 24678-24692
75. **Pathway engineering of triterpenoids in Centella asiatica.**
Nutan Shivange, Sukanya MS, Madhavi G and Archana Giri.
In two day National Conference on new frontiers in medicinal plants research , Volume -, Year 2015, Pages -
76. **Molecular farming of adiponectin in plants: a green perspective.**
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