

## STAFF PROFILE

- 1) Name : Dr.Sr. M. Arul Sheeba Rani,  
 2) Designation : Assistant Professor  
 3) Department : Botany  
 4) Qualification : M. Sc., M. Phil., Ph.D., PGDCA.  
 5) Experience : 9 Teaching: 8 Research:9  
 6) Area of Specialization (s) :Seed Physiology and Urban Greening,  
 Environmental Microbiology  
 7) E-mail : arulsheeba582@gmail.com, sheebam582@yahoo.com  
 8) Academic Qualifications: M. Sc., M. Phil., Ph.D.,  
 9) Additional Qualifications:

Diploma/ Vocational/ Certification	Area of Specialization	Institution/ University/ Agency Name	Year
PGDCA	Computer Science	Nirmala College for Women, Coimbatore/ Bharathiar University	2018
SWAYAM Course	Ongoing/ Registered	Biomass Production	2020

### 10) Grants Received

Event Title	Agency	Amount	Date
Nil			

### 11) Projects Completed (Minor)

Project Title	Agency	Amount	Duration
<i>“Comparative beneficial role of selected Individual tree canopy in urban greening with special reference to urban soil.”</i>	UGC	Rs.1, 80,000/-	2017-2019

Ongoing

Project Title	Agency	Amount	Duration
Nil			

12) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.		1
M. Phil.	1	-

13) Research Publications(Total- 59)

**International Journals - 51**

**LIST OF Journal PUBLISHED**

**1. Arul Sheeba Rani, M and Mary Josephine. R (2014).** Comparative physical parameters of selected tree canopy soil related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu, India. *International Journal of Current Research,(IJCR)*Vol. 6, Issue - 11, pp. 9959-9962, ISSN: 0975-833s. Impact factor: 5.349.

**2. Arul Sheeba Rani, M and Mary Josephine. R (2014).** Study on microbial count of the bacterial and fungal colonies of the selected tree canopy soils related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu, India. *International Journal of Information Research and Review, (IJIRR)*Vol. 1, Issue, 12, pp. 215-219. ISSN: 2349-9141. Impact factor: 4.251.

**3. Arul Sheeba Rani, M and Mary Josephine. R (2014).** Comparative effect of the selected tree canopy soil on the growth of *Vignaradiata*(L.) R.Wilczek. (Green gram). *International Journal of Information Research and Review, (IJIRR)* Vol. 1, Issue, 12, pp. 21-214. ISSN: Impact factor: 4.251.

**4. Arul Sheeba Rani, M and Mary Josephine. R (2015).** Comparative Physical parameters of the litter collected from the selected tree canopy related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu, India.*International Journal of Current Microbiology and Applied Sciences (IJCMAS)*Vol. 4, (2), pp. 475-480, ISSN: 2319-7706. Impact factor: 2.015.

- 5. Arul Sheeba Rani, M and Mary Josephine. R (2015).** Study on (Pearl millet) *Pennisetumglaucum* (L.) R.Br.; Based on the height in the selected tree canopy soil related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu District, South India. *International Journal of Recent Scientific Research. (IJRSR)* Vol. 6, Issue 7, pp.5139-5142, ISSN: 0976-3031. Impact factor: 5.114.
- 6. Arul Sheeba Rani, M and Mary Josephine. R (2015).** Comparative mineral profile of the selected tree canopy soil. *International Journal of Pharmaceutical, Chemical and Biological Sciences. (IJPCBS)* Vol. 5, Issue, 1, pp. 294-301, ISSN: 2249-9504. Impact factor: 0.544.
- 7. Arul Sheeba Rani. M and Mary Josephine. R (2015).** Study on Agrobiodiversity related with urban greening. *International Journal of Recent Scientific Research, (IJRSR)* Vol. 6, Issue, 8, pp.5615-5617, ISSN: 0976-3031. Impact factor: 5.114.
- 8. Arul Sheeba Rani, M and Mary Josephine. R (2015).**Comparative chemical parameters of the litter collected from the selected tree canopy related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu. *International Journal of Current Research (IJCR)* Vol. 7, Issue, 08, pp.19373-19378, ISSN: 0975-833X. Impact factor: 5.349.
- 9. Arul Sheeba Rani. M and Mary Josephine. R (2015).** Difference in fresh weight/dry weight of *Vignaradiata* (L.) R. Wilczek.;in the selected tree canopy soil related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu, south India. *International Journal of Current Science and Technology (IJCST)* Vol. 3, Issue, 9, pp. 75-77, ISSN: 2320-8090. Impact factor: 1.49.
- 10. Arul Sheeba Rani. M and Mary Josephine. R (2016).** Study on fresh weight/dry weight percentage of *Vignaradiata* (L.) R.Wilczek.; (Green gram) in the selected tree canopy soil related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu, South India. *International Journal of Advanced Education and Research (IJAER)*ISSN: 2455-5746, Vol 1; Issue 4; pp. 05-08. Impact Factor: RJIF 5.34. [www.newresearchjournal.com/education](http://www.newresearchjournal.com/education).
- 11. Arul Sheeba Rani. M and Mary Josephine. R (2016).** Study on difference in Fresh weight/Dry weight of *Pennisetumglaucum* (L.) R. Br.; Seeds in the selected tree canopy soil related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu, South India. *International Journal of Applied Research (IJAR)*ISSN: 2394-5869, Impact Factor: 5.2,Vol- 2 (3): pp.746-748.[www.allresearchjournal.com](http://www.allresearchjournal.com).

- 12. Arul Sheeba Rani. M** and Mary Josephine. R (2016). Study on growth rate of *Pennisetumglaucum* (L.) R. Br.; in the selected tree canopy soil related with urban greening in Nirmala college campus, Coimbatore, Tamilnadu, South India. *International Journal of Advanced Science and Research. (IJASR)* Volume 1; Issue 9; September 2016; pp. 12-15. ISSN: 2455-4227, Impact Factor: RJIF 5.12. [www.allsciencejournal.com](http://www.allsciencejournal.com).
- 13. Arul Sheeba Rani. M** and Mary Josephine. R (2016). Growth percentage of *Pennisetumglaucum* (L.) R. Br.; (Pearl millet) in the selected tree canopy soil related with urban greening in Nirmala College campus, Coimbatore District, Tamilnadu, South India. *International Journal of Botany Studies (IJBS)* Issue 6; Volume1; September 2016; pp. 22-25. ISSN: 2455-541X, Impact Factor: RJIF 5.12 [www.botanyjournals.com](http://www.botanyjournals.com)
- 14. Manju Mathew and Arul Sheeba Rani. M** (2017). A comparative study on phytochemical and biochemical of the fruit and ferment juice of *Morindacitrifolia*, L., (Noni) M.Sc., Botany Nirmala collage for Women, Coimbatore, Tamil Nadu, India. *International Journal of Advanced Science and Research (IJASR)*. Volume 2; Issue 3; May 2017; pp. 01-04. ISSN: 2455-4227, Impact Factor: RJIF 5.12. [www.allsciencejournal.com](http://www.allsciencejournal.com).
- 15. NithyaBabu and Arul Sheeba Rani. M** (2017). A study on preliminary phytochemical and biochemical analysis of the ethanolic leaf extract of *Holoptelea integrifolia*, Planch; (Family-Ulmaceae) M.Sc., Botany Nirmala collage for Women, Coimbatore, Tamil Nadu, India. *International Journal of Advanced Science and Research (IJASR)*. Volume 2; Issue 2; March 2017; pp- 49-52. ISSN: 2455-4227, Impact Factor: RJIF 5.12. [www.allsciencejournal.com](http://www.allsciencejournal.com).
- 16. Lavanya. I and Arul Sheeba Rani. M** (2017). Phytochemical biochemical and antibacterial analysis of ethanolic extract of *Euphorbia hirta*, L.,) M.Sc., Botany Nirmala collage for Women, Coimbatore, Tamil Nadu, India. *International Journal of Advanced Science and Research (IJASR)*. ISSN: 2455-4227, Volume 2; Issue 2; March 2017; pp- 60-63. Impact Factor: RJIF 5.12. [www.allsciencejournal.com](http://www.allsciencejournal.com).
- 17. Ram Priya. Sand Arul Sheeba Rani. M** (2017). Preliminary phytochemical, biochemical and antibacterial analysis of the acetone leaf extract of *Vitexnegundo*, L.; M.Sc., Botany Nirmala collage for Women, Coimbatore, Tamil Nadu, India. *International Journal of Advanced Science and Research (IJASR)*. Volume 2; Issue 2; March 2017; Page No. 53-56. ISSN: 2455-4227, Impact Factor: RJIF 5.12. [www.allsciencejournal.com](http://www.allsciencejournal.com).

- 18.** Saranya. Sand **Arul Sheeba Rani. M (2017).** Preliminary phytochemical, biochemical and antibacterial analysis of the methanolic extract of stem of *Cissusquadrangularis*, L.; (Family – Vitaceae). M.Sc., Botany Nirmala collage for Women, Coimbatore, Tamil Nadu, India. *International Journal of Advanced Science and Research (IJASR)*. Volume 2; Issue 2; March 2017; pp- 57-59. ISSN: 2455-4227, Impact Factor: RJIF 5.12. [www.allsciencejournal.com](http://www.allsciencejournal.com).
- 19.** **Arul Sheeba Rani. M** and Mary Josephine. R (2017). A study on Microbial Flora of selected Individual tree canopy soil. Life sciences International Research Journal, Biannual Peer Reviewed/ Referred. *International Journal of International Multidiciplinary Research Foundation*, [www.imrf.in/www](http://www.imrf.in/www). (IMRF) [imrfjournals.in](http://imrfjournals.in) Volume- 4, Issue-2, pp-119-123. ISSN : 2347-8691.
- 20.** NithyaBabu and **Arul Sheeba Rani. M (2018).** A study on preliminary biochemical analysis of the ethanolic leaf extract of *Holoptelea integrifolia*, planch; (Family-Ulmaceae) M.Phil., Botany Nirmala collage for Women, Coimbatore, Tamil Nadu, India. *International Journal for Science and Advanced Research and Technology (IJASRT)*. Volume 4; Issue 3; March 2018; March, pp- 499-502. ISSN: 2395-1052.
- 21.** **Arul Sheeba Rani. M** and Mary Josephine. R (2018). A study on Microbial Flora of selected Individual tree canopy of *Albizzialebeck*, (L,) Benth. In urban greening. *International Journal for Science and Advanced Research and Technology (IJASRT)*. Volume 4; Issue 3; March 2018; pp- 1053-1058. ISSN: 2395-1052.
- 22.** Nivedya. R and **Arul Sheeba Rani. M (2018).** Preliminary phytochemical and biochemical analysis of *Breyniavitis- idaea*, (Burm.F.) C.E.c. Fisch.; *International Journal for Science and Advanced Research and Technology (IJASRT)*. Volume 4; Issue 3; March, 2018; pp- 624-627. ISSN: 2395-1052.
- 23.** Navya Ramachandran and **Arul Sheeba Rani. M (2018).** Preliminary phytochemical and biochemical analysis of *Citrus maxima* (Burm) Merr.; *International Journal for Science and Advanced Research and Technology (IJASRT)*. Volume 4; Issue 3; March, 2018; pp- 738-741. ISSN: 2395-1052.
- 24.** Lilly and **Arul Sheeba Rani. M (2018).** Preliminary phytochemical and biochemical analysis of *Rutagraveolens*, Linn.:(Family- Rutaceae). *International Journal for Science and Advanced Research and Technology (IJASRT)*. Volume 4; Issue 3; March, 2018; pp- 685-688. ISSN: 2395-1052.

25. Priyanka K.V and **Arul Sheeba Rani. M (2018)**. A study on Larvicidal activity of the leaf extract of *MurrayaKonigii*, Spreng.; against *Culexsp.*; ***International Journal for Science and Advanced Research and Technology (IJASRT)***. Volume 4; Issue 3; March, 2018; pp- 628-631. ISSN: 2395-1052.
26. NithyaBabu and **Arul Sheeba Rani. M (2018)**. A study on preliminary phytochemical analysis of the ethanolic leaf extract of *Holoptelea integrifolia*, Planch; (Family-Ulmaceae) Department of Botany Nirmala collage for Women, Coimbatore, Tamil Nadu, India. ***International Journal of Biological Research (IJBR)***. Volume -7; Issue -8; March 2018; March pp- 01-06. ISSN: 2321-0524.
27. **Arul Sheeba Rani. M** and Mary Josephine. R (2018). A study on Microbial Flora of selected Individual tree canopy of *Butea monosperma*, (Lamk,) Taub.;. In urban greening. ***International Journal of Biological Research (IJBR)***. Volume -7; Issue - 8; March, 2018; March, pp- 01-10. ISSN: 2321-0524.
28. Priyanka K.V and **Arul Sheeba Rani. M (2018)**. A comparative analysis on Larvicidal activity of the selected leaf extracts against *Culexsp.*; Mosquito larvae. ***International Journal for Research in Applied Science and Engineering Technology (IJRASET)***. Volume -6; Issue 3; March, 2018; pp- 2771-2777. IC value-45.98, Impact factor- 6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).
29. **Arul Sheeba Rani. M** and Mary Josephine. R (2018). A study on selected Individual tree canopy of *Bauhinia purpurea*, Linn.;. In urban greening. ***International Journal of Current Research (IJCR)***. Volume -7; Issue - 8; March, 2018; pp- 66936-66941. ISSN: 0975-833X .
30. **Arul Sheeba Rani. M** and Mary Josephine. R (2018). A study on selected Individual tree canopy of *Pongamiapinnata*, (Linn.) Pirre.;.in urban greening with special reference to urban soil.. ***International Journal of Information Research and Review (IJIRR)***. Volume -5; Issue - 7; March- 2018; pp- 5602-5608, Impact Factor-4.251. ISSN: 2349-9141.
31. **Arul Sheeba Rani. M** and Mary Josephine. R (2018). A study on selected Individual tree of canopy *Peltophorumpterocarpum*, (DC.). K. HEYNE.;-in urban greening. ***International Journal of Creative Research Thoughts (IJCRT)***. Volume -6; Issue - 2; March, 2018; pp- 824-831, April, Impact Factor-5.97. ISSN: 2320-2882. [www.ijcrt.org/IJCRT](http://www.ijcrt.org/IJCRT) 1893128.
32. **Arul Sheeba Rani. M** and Mary Josephine. R (2018). A study on selected Individual tree canopy of *Mimusopuselengii*, Linn.;.in urban greening with special reference to urban soil.

*International Journal of Creative Research Thoughts (IJCRT)*. Volume -6; Issue - 2; March, 2018; April, pp- 312-319, Impact Factor-5.97. ISSN: 2320-2882. [www.ijcrt.org/IJCRT](http://www.ijcrt.org/IJCRT).

33. Arya.KM and **Dr. Sr. Arul Sheeba Rani. M (2019)**. Consequence of cypermethrin on pollen viability of *Capsicum annuum*, L.; (Solanaceae) with comparative study of pollen morphology in *Cajanuscajan* (L.) Millsp.; (Fabaceae) and *Adonidiamerrillii*, Becc.; (Arecaceae). *International Journal for Research in Applied Science & EngineeringTechnology*. Volume-7; Issue-3; March-2019; pp-662-666, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

34. Rijina. NK and **Dr. Sr. Arul Sheeba Rani. M (2019)**. Comparative morphological, anatomical study and stomatal density in different urban areas of selected plants in Coimbatore with special reference to environmental factors. *International Journal for Research in Applied Science & EngineeringTechnology*. Volume-7; Issue – 3; March-2019; pp-689-693, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

35. Vyshaki. V and **Dr. Sr. Arul Sheeba Rani. M (2019)**. Morphological, Anatomical studies and Phytochemical Screening of the rhizome- *Nelumbonucifera, Gaertn.*; (Family- Nymphaeaceae). *International Journal for Research in Applied Science & EngineeringTechnology*. Volume-7; Issue-3; March-2019; pp- 717-721, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

36. Mariya Baby and **Dr. Sr. Arul Sheeba Rani. M (2019)**. Preliminary phytochemical screening and extraction of volatile oil in *Cleome gynandropsis*, DC.; (Family- Capparidaceae). *International Journal for Research in Applied Science & EngineeringTechnology*. Volume-7; Issue-3; March-2019; pp- 676-679, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

37. FidaAfnan B. M and **Dr. Sr. Arul Sheeba Rani. M (2019)**. Influence of Pre-sowing Seed Treatments on Germination Pattern of *Senna auriculata*, ( L.) Roxb.; *Adenanthepavonina*, Linn.; and *Abrusprecatorius*, Linn.; (Family- Fabaceae) *International Journal for Research in Applied Science & EngineeringTechnology*. Volume-7; Issue-3; March-2019; pp-668-674, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

38. Arsha. T and **Dr. Sr. Arul Sheeba Rani. M (2019)**. Preliminary phytochemical and anatomical studies on bark and leaves of *Murrayakoenigii*(L.) Spreng.; (Family- Rutaceae) and *Pimentadioica* (L.) Merr.; (Family- Myrtaceae). *International Journal for Research in Applied Science & EngineeringTechnology*. Volume-7; Issue-3; March-2019; pp-656-660, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

39. NithyaBabu and **Dr. Sr. Arul Sheeba Rani. M (2019)**. Nutritional Analysis of the Seeds of *Holopteleaintergrifolia*, Planch.; (Family- Ulmaceae) and Preliminary Phytochemical, Biochemical, Antimicrobial, Antilarvicidal Analysis of Leaf extract. ***International Journal for Research in Applied Science & EngineeringTechnology***. Volume-7; Issue-3; March-2019; pp- 681-687, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).
- 40.**Dr. Sr. Arul Sheeba Rani. M**, Dr. Mary Josephine. R, Athulya. K (2019). *Jacarandamimosifolia*.D.Don.- a powerful solution for environmental degradation caused by urbanization in urban greening. ***International Journal for Research in Applied Science & EngineeringTechnology***. Volume-7; Issue-3; March-2019; pp- 695-693, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).
41. **Dr. Sr. Arul Sheeba Rani. M** andDr. Mary Josephine. R. (2019). A Study on Selected Individual Tree Canopy of *Cassiafistula*, Linn.; in related with Urban Greening. ***International Journal for Research in Applied Science & EngineeringTechnology***. Volume-7; Issue – 3; March-2019; pp-722-728, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).
42. **Dr. Sr. Arul Sheeba Rani. M** and Arya. KM (2019). Consequence of Insecticide Cypermethrin on Pollen Viability of *Capsicum annum*, Linn.; (Family- Solanaceae). ***International Journal for Research in Applied Science & EngineeringTechnology***. Volume-7; Issue – 3; March-2019; pp-15, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).
43. **Dr. Sr. Arul Sheeba Rani. M** andRijina. NK (2019). Comparative Morphological, Anatomical Study and Stomatal density in Different Urban Areas of Pongamiapinnata, (L.) Pierre., and *Thespesiapopulnea*, Cav.; in Coimbatore with Special Reference to Environmental Factors. ***International Journal for Research in Applied Science & EngineeringTechnology***. Volume-7; Issue – 3; March-2019; pp-2048-2052, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).
44. **Dr. Sr. Arul Sheeba Rani. M** andVyshaki. V (2019). Phytochemical screening of Rhizome-*Nelumbonucifera*, Gaertn.; (Family- Nymphaeaceae). ***International Journal for Research in Applied Science & EngineeringTechnology***. Volume-7; Issue – 3; March-2019; pp-1989-1992, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).
45. **Dr. Sr. Arul Sheeba Rani. M** and FidaAfnan B. M (2019). Influence of Pre-sowing Seed Treatments on Germination Pattern of *Senna auriculata*, (L.) Roxb.; (Family- Fabaceae).***International Journal for Research in Applied Science & EngineeringTechnology***.



Volume-7; Issue – 3; March-2019; pp-16, Impact Factor-6.887, ISSN: 2321-9653.  
[www.ijraset.com](http://www.ijraset.com).

46. **Dr. Sr. Arul Sheeba Rani. M** and Mariya Baby (2019). Comparative Preliminary Phytochemical Screening of Leaf, Stem and Root in *Cleome gynandropsis*, DC.; (Family- Capparidaceae). *International Journal for Research in Applied Science & Engineering Technology*. Volume-7; Issue – 3; March-2019; pp-722-728, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

47. **Dr. Sr. Arul Sheeba Rani. M** and Arsha. T (2019). Preliminary Phytochemical and Anatomical Studies on Bark and Leaves of *Pimentadioica* (L.) Merr.; (Family– Myrtaceae). *International Journal for Research in Applied Science & Engineering Technology*. Volume-7; Issue – 3; March-2019; pp-2321-9653, Impact Factor-6.887, ISSN: 2321-9653. [www.ijraset.com](http://www.ijraset.com).

48. **Dr. Sr. Arul Sheeba Rani. M** and Lasitha. K (2019). Larvicidal activity of leaf extract of *Ficus elastica*, Roxb.; (Rubber Fig) on *Culex* spp. *International Journal of Emerging Technologies and Innovative Research. JETIR*, UGC Approval: UGC and ISSN Approved Journal No: 63975. Link: [http://www.jetir.org/view?paper=JETIR1905869](https://www.ugc.ac.in/journallist/subjectwisejurnallist.aspx?tid=MjM00TUxNjI=&&did=U2VhcmNoIGJ5IElTU04=Impact Factor: 5.87, Volume- 6, Issue-5 ,March-25, 2019, ISSN: 2349-5162. pp:471-476. Published URL: <a href=).

49. Lasitha K. & **Dr. Sr. M Arul Sheeba Rani** (2020). Comparative study on the improvement in selected soil parameters by the plotted land trees in Bengaluru, Karnataka. *International Journal of Current Research in Multidisciplinary (IJCRM)* ISSN: 2456-0979. Vol. 5, Issue- No. 4, April, Impact Factor: 7.639, pp. 28-34.

50. Lasitha. K & **Dr. Sr. M Arul Sheeba Rani** (2020). Exploration of the impact in soil properties based on the annual litter fall under the selected tree species in selected urban area. *International Journal of Multidisciplinary Educational Research (IJMER)* (Scopus Id- A2B96D3ACF3FEA2A). ISSN: 2277-7881; IMPACT FACTOR – 4.527; IC VALUE: 5.16; ISI VALUE: 2.286 (Yet to be published).

51. **M. Arul Sheeba Rani\*** and M.A. Jothi Rajan. (2020). **COMMENTARY- Influential Ethical aspects of Covid19 in Multidimensions.** \*Department of Botany, Nirmala College for Women,

Coimbatore-18, Tamil Nadu State Council for Science and Technology, Corresponding Author  
Email:anjellojothi@gmail.com.

Yet to be Published

### **National Journals - 9**

1. **Arul Sheeba Rani. M** and Mary Josephine. R (2016). Difference in Fresh Weight/Dry Weight of *Pennisetumglaucum* (L.)R.Br.; Seeds in the Selected Tree Canopy Soil Related with Urban Greening in Nirmala College Campus, Coimbatore, Tamilnadu, South India.***Indian Journal of Plant and Soil. (IJPS)***, Volume 3 Number 1, January - June 2016. ISSN: 2348-9677. pp. 5-8.© Red Flower Publication Pvt. Ltd.

2. **Arul Sheeba Rani. M** and Mary Josephine. R (2016). Fresh weight/Dry weight percentage of *Vignaradiata* (L.) R.Wilczek.; (Green gram) in the Selected Tree Canopy Soil Related with Urban Greening in Nirmala College Campus, Coimbatore, Tamilnadu, South India. ***Indian Journal of Biology. (IJB)*** Volume 3 Number 1, January - June 2016.ISSN: 2394-1391 pp. 67-71. DOI: <http://dx.doi.org/10.21088/ijb.2394.1391.3116.9>.© Red Flower Publication Pvt. Ltd.

3. **Dr. M. Arul Sheeba Rani (2020)**.Antilarvicidal Activity of Ethanolic Leaf Extract of *Holoptelea integrifolia*, Planch.; (Family-Ulmaceae). ***Indian Journal of Biology (IJB)***. Impact Factor: 5.87, ISSN: 2394-1391, Red flower Publications, Pvt Ltd., (Yet to be published).

4. **Dr. Sr. Arul Sheeba Rani. M** andLasitha. K (2019). Changes in viscosity of Neem Oil and Biosurfactant production by Hydrocarbon degrading microbes. ***Journal of Emerging Technologies and Innovative Research (JETIR)***.Volume- 6, Issue-6, June- 2019. [www.jetir.org](http://www.jetir.org) (ISSN-2349-5162),pp-837-843.

5. **Dr. Sr. Arul Sheeba Rani. M** andLasitha. K (2019). Comparative analysis of Oil degrading Bacteria and Fungal species to Manufacture Biosurfactant using Neem Oil. ***Indian Journal of Biology (IJB)***. Impact Factor: 5.87, Volume- 6, Number-1 Jan-June- 2019, ISSN: 2394-1391, Red flower Publications, Pvt Ltd., pp: 21-26.

6. **Dr. Sr. Arul Sheeba Rani. M** andLasitha. K (2019). Utilization of Neem Cake as a Carbon Source for the production of Biosurfactant. ***Indian Journal of Biology (IJB)***. Volume- 6, Number-2, July- December- 2019, Impact Factor: 5.87, ISSN: 2394-1391, Red flower Publications, PVt Ltd., pp: 75-81.

7. Kavimalar.S,<sup>1</sup>, Surajit Das<sup>2</sup>, Saradha. M<sup>1</sup>, and **Arul Sheeba Rani<sup>1</sup>. M, (2020)**. Studies on Characterization of Biofilm associated EPS of *Pseudomonas aureginosa* and its interaction with the organic and inorganic pollutants. ***Journal of Globalization (IGB)***. Volume- 9, Number-4, Aril- 2020, ISSN: 2320-1355, website-www.mutagens.co.in. DOI- www.mutagens.co.in./jpg/vol-9/04/090405.pdf, pp: 6974-6982. Impact factor: 1.363.

8. K. Lasitha and **M. Arul Sheeba Rani (2020)**. A Short Note on COVID-19 (Corona Virus). ***Novel International Journal of Science & Technology***. New Swertia Publication, Pondicherry, India. Vol.1 (1): 15-16. (Received: April 10, 2020, Accepted after Revision: May 11, 2020).

9 **Dr.M. Arul Sheeba Rani (2020)**. Antilarvicidal Activity of Ethanolic Leaf Extract of *Holoptelea integrifolia*, Planch.; (Family-Ulmaceae). ***Indian Journal of Biology (IJB)***. Volume- -, Number-- July- December- 2020, Impact Factor: 5.87, ISSN: 2394-1391, Red flower Publications, PVt Ltd., pp: (yet to be Published).

14) Other Publications (Proceedings)

#### **LIST OF PROCEEDINGS PUBLISHED**

##### **National- 8**

1. **Arul Sheeba Rani, M** and Mary Josephine. R **(2014)**. Chemical parameters of five selected water samples studied in Thiruvarangapatty Village, Tiruchirapally, Tamil Nadu, and India. Published in proceedings in National seminar on ***“Trends in Environmental Resource Management”*** organized by PG and Research Department of Zoology, Nirmala College for Women, Coimbatore, Tamil Nadu, India. pp. 84-88, **ISBN: 978-93-93-5174-565-5**.

2. FidaAfnan B. M and **Arul Sheeba Rani, M(2019)**. Morphological and Anatomical studies on *Senna auriculata*, L.; (Family- Fabaceae) Published in proceedings in National Conference on ***“Futuristic Intricate Stratagems in Computational genomics”*** organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore, Tamil Nadu, India. pp. 16. **ISBN: 978-93-5346-990-0**.

3. Arsha.T and **Arul Sheeba Rani, M (2019)**. Comparative Morphological and Anatomical study of Medicinal plants *Murrayakoenigii* (L.) Spreng.; ( Family- Rutaceae) and *Moringaoleifera*, Lam.; (Family- Moringaceae) Published in proceedings in National Conference on ***“Futuristic Intricate Stratagems in Computational genomics”*** organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore, Tamil Nadu, India. pp. 15. **ISBN: 978-93-5346-990-0**.

4. Rijina. NK and **Dr. Sr. Arul Sheeba Rani, M (2019)**. Comparative study of Morphology, Anatomy and stomatal features of *Terminalia cattapa*, L.; and *Ficus religiosa*, L.; Published in proceedings in National Conference on “**Futuristic Intricate Stratagems in Computational genomics**” organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore, Tamil Nadu, India. pp.18. **ISBN: 978-93-5346-990-0**.
5. Mariya Baby and **Dr. Sr. Arul Sheeba Rani, M (2019)**. Morphological and Anatomical studies on *Avicenna officinalis*, L.; (Family-Acanthaceae) Published in proceedings in National Conference on “**Futuristic Intricate Stratagems in Computational genomics**” organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore, Tamil Nadu, India. pp. 17. **ISBN: 978-93-5346-990-0**.
6. Arya K.Mand **Dr. Sr. Arul Sheeba Rani, M (2019)**. Morphological and Anatomical studies on *Capsicum annum*, Linn.; (Family-Solanaceae) Published in proceedings in National Conference on “**Futuristic Intricate Stratagems in Computational genomics**” organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore, Tamil Nadu, India. pp. 15. **ISBN: 978-93-5346-990-0**.
7. Vyshaki Vand **Dr. Sr. Arul Sheeba Rani, M (2019)**. Morphological and Anatomical studies of *nelumbonucifera*, Gaertn.; (Family-Nymphaeaceae) Published in proceedings in National Conference on “**Futuristic Intricate Stratagems in Computational genomics**” organized by Department of Botany and Bioinformatics, Nirmala College for Women, Coimbatore, Tamil Nadu, India. pp. 19. **ISBN: 978-93-5346-990-0**.

15) Book Publications

#### **LIST OF BOOK CHAPTER-PUBLISHED -4**

1. **Arul Sheeba Rani, M** and Mary Josephine. R (2014). Comparison of Chemical parameters of Selected Water samples in Thiruvarangapatty Village, Tiruchirapally, Tamil Nadu. *Nirmala Annual Research Congress (NARC)* on 27<sup>th</sup> September 2014 organized by Internal Quality Assurance Cell. Nirmala College for Women, Coimbatore, **ISBN: 978-1-9415052- 4-3/NARC 06**. pp.21-22.
2. **Arul Sheeba Rani, M** and R. Mary Josephine (2017). A study on Microbial flora of selected Individual tree canopy soil. Recent trends in Agriculture, Veterinary and Life sciences compiled and produced by Carmel College for Women, Nuvem, Goa, India. *International*

*Multidisciplinary Research Foundation (IMRF)*, India, Nirmala College for Women, Coimbatore, ISBN: 978-93-86435-18-17.Pg 21-26.

3.NithyaBabuand Arul Sheeba Rani, M (2018). Nutritional value and oil yielding capacity of the seeds of *Holoptelea integrifolia*, Planch; (Family- Ulmaceae) *Nirmala Annual Research Congress (NARC)* on 4<sup>th</sup> December 2018 organized by Internal Quality Assurance Cell. Nirmala College for Women, Coimbatore, ISBN: 978-93-5321- 859-1/NARC 2018. pp. 21-22.

4. Arul Sheeba Rani, M (2018).Environmental studies (Ability Enhancement Compulsory Course) For Undergraduate courses UGC Module Syllabus Nirmala College for Women, Coimbatore, First edition-2018, ISBN: 978-81-939751- 0-7.

### Books & Monographs - 5

16) Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Nil			

17) Presentations in Conference

**International-2**

**National-3**

**Srtate-1**

18) Participation in Conference

**International-4**

**National-18**

**State-20**

19) Participation in Seminar

**International-6**

**National-18**

**State-20**

20) Participation in Workshop/Training

**International-1**

**National-11**

**State-5**

## **Regional-2**

21) Participation in Orientation Programme/ Induction Programme/ Short term Courses

**8**

22) Participation in Faculty Development Programme

## **International-8**

### **National-4**

### **State-14**

23) Conference/ Seminar/ Workshop Organized

## **International-2**

### **National-3**

### **State-1**

24) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

## **National-1**

25) Member in Board of Study

**1**

26) Editorial/ Review Board Member (Total-9)

## **International-5**

### **National-4**

1. The Board of IJCRT Grants that Dr. Sr. M. Arul Sheeba Rani is an active IJCRT RMS member of the esteemed International Journal of Creative Research Thoughts (IJCRT) (An International Peer Reviewed Journal) ([www.ijcrt.org](http://www.ijcrt.org)) (ISSN: 2320-2882) Holding Member ID : 114633. Member Since: 01-April-2019.

2. The Board of JETIR Grants that Dr.Sr.M.Arul Sheeba Rani is an active review member of the esteemed Journal of Emerging Technologies and Innovative Research (An International Peer Reviewed Journal) (ISSN: 2349-5162) Member Since : 17-April-2019 Holding Member ID : 114622. ([www.jetir.org](http://www.jetir.org)).

3. Dr.Sr.M.Arul Sheeba Rani **Assigned as Reviewer Board Member of ‘Indian Journal of Biology (IJB)’** Please click the following link ([https://rfppl.co.in/view\\_editorial\\_details.php?id=3091](https://rfppl.co.in/view_editorial_details.php?id=3091)) to confirm that your detail is on reviewer board of **Indian Journal of Biology (IJB)**. Member Since: Date: 17.05.2019.

4. Dr.Sr.M.Arul Sheeba Rani **Assigned as Associate Editor Board Member of International Journal of Research in Informative Science Application &Techniques (IJRISAT)**.ISSN: 2581-5814, Reviewer Active.

5. Dr.Sr.M.Arul Sheeba Rani, Department of Botany, Nirmala College for Women, Bharathiar University, Coimbatore, Tamil Nadu, India has been appointed as one of the Editorial Board Members in **“International Journal of Microbiology and Biotechnology(IJMB)**;<http://www.sciencepublishinggroup.com/journal/editorial-board?journalid=396> Reference: IJMB Date: June 11, 2019 ISSN: 2578-9678 (Print); ISSN: 2578-9686 (Online); <http://www.sciencepublishinggroup.com/j/ijmb>”.

6.Dr.Sr.M.Arul Sheeba Rani, Department of Botany, Nirmala College for Women, Bharathiar University, Coimbatore, Tamil Nadu, India has been appointed for the **post of Editors** in **“International Journal of Multidisciplinary Research and Development (IJMRD)**; (Peer Reviewed Journal, Refereed Journal, Indexed Journal) (E-ISSN: 2349-4182,P-ISSN 2349-5979, CODEN:IJMRN5, Impact factor: RJIF 5.72) Holding Member ID Ref IJMRD/LM/550 Dated: 09-09-2019.[www.allsubjectjournal.com](http://www.allsubjectjournal.com).

7. Dr.Sr.M.Arul Sheeba Rani, Department of Botany, Nirmala College for Women, Bharathiar University, Coimbatore, Tamil Nadu, India has been appointed for the **post of Editors** in **“National Journal of Advanced Research (NJAR)**; (Peer Reviewed Journal, Refereed Journal, Indexed Journal) (ISSN:2455-216X,P-ISSN, Impact factor: RJIF 5.12) Holding Member ID RefNJAR/LM/466 Dated:12-09-2019.[www.allnationaljournal.com](http://www.allnationaljournal.com).

8.Dr.Sr.M.Arul Sheeba Rani, Department of Botany, Nirmala College for Women, Bharathiar University, Coimbatore, Tamil Nadu, India has been appointed for the **post of Editorial Board Member- Number-63** in“ New Swertia PUBLICATIONS (NSP), # 194, ThiruvalluvarSalai, Kuyavarpalayam, Puducherry – 605 013, India. [www.newswertia.com](http://www.newswertia.com).

9. Dr.Sr.M.Arul Sheeba Rani, Department of Botany, Nirmala College for Women, Bharathiar University, Coimbatore, Tamil Nadu, India has been appointed for the **post of Editors** in **“Journal of Pharmacy and Medicinal Research (JPMR) &Journal of Research in Pharmacognosy and Natural Medicinal Products (IJRPNMP)**. Mantech Publications. Link: <http://mantechpublications.com/admin/index.php/index/login>

27) Membership in Professional Bodies

Name of Professional Body	Nature of Membership	Duration
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Nil	2	Till date
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