

## Individual Details

**Dr. A.C. Surya Prabha**

Educational Qualification: M.Sc.(Agri.), Ph.D.(Soil Science & Agricultural Chemistry)

Designation : Scientist - C

Specialization : Soil fertility, Plant nutrition, Nutrient management



### Current activities and Research Interests:

- Carbon sequestration studies related to climate change.
- Tree-crop-soil interaction studies.

### Formal education:

| Name of the Degree                            | Subjects   | Specialization | University                                     | Year |
|---|--|----------------|--|------|
| Ph.D. (Soil Science & Agricultural Chemistry) | Advances in Soil fertility, Advances in soil organic matter, Advances in soil chemistry, Integrated Nutrient Management                | Soil Fertility | Tamil Nadu Agricultural University, Coimbatore | 2006 |
| M.Sc. (Soil Science & Agricultural Chemistry) | Analytical chemistry and instrumentation techniques, Soil fertility and fertilizer use, Soil physical chemistry, Design of experiments | Soil Fertility | Tamil Nadu Agricultural University, Coimbatore | 2002 |
| B.Sc. (Agriculture)                           | Agriculture  | -              | Tamil Nadu Agricultural University, Coimbatore | 2000 |

**Experience:**

| Name of the post held  | Name of the Institution/ Organization                                       | Department/ Division worked           | Duration   |            |
|------------------------|---|---------------------------------------|------------|------------|
|                        |   |                                       | From       | To         |
| Senior Research Fellow | Tamil Nadu Agricultural University, Coimbatore                              | Soil Science & Agricultural Chemistry | 13.02.2006 | 31.01.2009 |
| Scientist - C          | Centre for Forestry Research & Human Resource Development, Chhindwara, M.P. | -                                     | 20.05.2009 | 22.07.2011 |
| Scientist - C          | Institute of Forest Genetics & Tree Breeding, Coimbatore                    | Forestry, Land Use and Climate Change | 26.07.2011 | Till date  |

**Organizational details:**

Forestry, Land Use & Climate Change Division  
Institute of Forest Genetics and Tree Breeding  
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**Ongoing Research Projects:**

| S.No. | Title   | Duration    | Funding agency |
|-------|---|-------------|----------------|
| 1.    | Assessment of soil organic carbon under different land uses in Tamil Nadu | 2013 - 2016 | ICFRE          |

**Trainings attended:**

| S.No. | Training  | Period                         |                                | Organizing Institute                               | Sponsoring Agency |
|-------|---|--------------------------------|--------------------------------|--|-------------------|
|       |   | From                           | To                             |  |                   |
| 1.    | Convention on International Trade in Endangered Species of Wild fauna and flora (CITES)   | 30 <sup>th</sup> August 2012   | 31 <sup>st</sup> August 2012   | IFGTB  | MoEF, New Delhi   |
| 2.    | Effect of Invasive species/weeds on productivity of Forest Plantations and Natural Forests and different cost effective methods for their control | 13 <sup>th</sup> December 2011 | 17 <sup>th</sup> December 2011 | Kerala Forest Research Institute, Peechi           | DST, New Delhi    |
| 3.    | Open Source Quantum GIS   | 18 <sup>th</sup> October 2011  | 22 <sup>nd</sup> October 2011  | M/s. K Cube Consultancies Private Limited, Chennai | IFGTB, Coimbatore |
| 4.    | Induction training for Scientists and Research Officers of ICFRE  | 15 <sup>th</sup> March 2010    | 23 <sup>rd</sup> May 2010      | Forest Research Institute, Dehradun                | ICFRE, Dehradun   |

**Publications:**

1. **Surya Prabha, A. C.,** M. Senthivelu., N. Krishnakumar and S. Nagendran. 2013. Urban forests and their role in carbon sequestration: A review. *International Journal of Forest Research*, 16(1): 23-29.
2. **Surya Prabha, A.C.,** and Krishnakumar, N. 2012. Soil care for urban forest health management. Paper presented in National Seminar on Forest Health Management, held from 21-22<sup>nd</sup> March, 2012 organized by Institute of Forest Genetics & Tree Breeding, Coimbatore.pp.20.
3. **Surya Prabha, A.C.,** and Krishnakumar, N. 2012. Soil for successful urban forestry. Paper presented in Training on “Innovative techniques in urban forestry” held from 1-2<sup>nd</sup> March, 2012 organized by Institute of Forest Genetics & Tree Breeding, Coimbatore.
4. **Surya Prabha, A.C.,** and Krishnakumar, N. 2012. Carbon sequestration potential of urban forests. Paper presented in Tamil Nadu Forest Academy (TNFA) Centenary National Seminar on Forestry Vision 2023, held at Tamil Nadu Forest Academy, Coimbatore from 5<sup>th</sup> -6<sup>th</sup> July, 2012.

5. **Surya Prabha, A.C.**, and Krishnakumar, N. 2012. Agroforestry: An effective tool for amelioration of salt-affected soils. Paper presented in Tamil Nadu Forest Academy (TNFA) Centenary National Seminar on Forestry Vision 2023, held at Tamil Nadu Forest Academy, Coimbatore from 5<sup>th</sup> -6<sup>th</sup> July, 2012.
6. **A.C. Surya Prabha.**, T.M. Thiyagarajan and M.Senthivelu. 2011. System of Rice Intensification principles on growth parameters, yield attributes and yield of rice (*Oryza sativa* L.). *Journal of Agron.*, 10 (1): 27-33.
7. **Surya Prabha, A.C.** and M. Senthivelu. 2010. Integrated Nutrient Management for sustaining crop productivity. Paper presented in M.P. Mahila Vigyan Sammelan held from 18-19 December, 2010 organized by Mata Gujri Mahila Mahavidyalaya and Sakthi, Jabalpur.
8. Senthivelu, M., B.J. Pandian and **A.C. Surya Prabha.** 2009. Dry matter production and nutrient removal in wet seeded rice-cotton cropping sequence under integrated nutrient management practices. *Oryza.*, 46(4): 279-289.
9. Senthivelu, M.,**A.C. Surya Prabha.**and B.J. Pandian 2008. Influence of integrated nutrient management practices on yield attributes and yield of wet seeded rice (*Oryza sativa* L.) – Cotton (*Gossypiumhirsutum* L.) cropping sequence. *International Journal of Tropical Agriculture.*, No.3-4. (July-Dec).
10. **Surya Prabha, A.C.** R. Jayakumar and M. Senthivelu. 2007. Growth, quality parameters and yield of soybean (*Glycine max* (L.)) as influenced by Clomazone-pendimethalin readymix. *An Asian Journal of Soil Science*, 2(2): 40-43.
11. **Surya Prabha, A.C.** R. Jayakumar and M. Senthivelu. 2007. Influence of Clomazone-Pendimethalin ready-mix on weed control, quality parameters and yield of soybean (*Glycine max* (L.)). *An Asian Journal of Soil Science*, 2(2): 91-94.
12. **Surya Prabha, A.C.**, R. Jayakumar, M. Senthivelu and M. Sugirdha. 2006. Studies on the effect of clomazone – pendimethalin readymix on the nutrient uptake and yield of soybean. *Internat. J. Agric. Sci.*, 2 (2): 464-466.
13. **Surya Prabha, A.C.**, R. Jayakumar, M. Senthivelu and M. Sugirdha. 2006. Effect of clomazone-pendimethalin readymix on the weed growth and yield of soybean. *Internat. J.Agric. Sci.*, 2 (2): 493-495.
14. M. Senthivelu, and **A.C. Surya Prabha.** 2007. Studies on rice productivity, nitrogen uptake and nitrogen balance in wet seeded rice under integrated nitrogen management practices. *Internat. J. Agric. Sci.*, 3 (2): 92-95.

### **Popular articles**

1. **Surya Prabha, A.C.** and M. Senthivelu. 2008. Organic agriculture: options, issues and strategies. *Agriculture Update*. 2(4): 6-8.
2. **Surya Prabha, A.C.** and M. Senthivelu. 2008. Japanese mint: A medicinal plant as prime source of menthol.. *Agriculture Update*. 2(4): 32-33.
3. **Surya Prabha, A.C.** and M. Senthivelu. 2008. Vegetative barriers- A bioengineering structure for watershed and wasteland development. *Agriculture Update*. 2(4): 46-47.
4. **Surya Prabha, A.C.**, M. Senthivelu and M. Sugirdha. 2008. Organic matter management: A resource base for sustainable agriculture.. *Agriculture Update*. 2(4): 102-103.
5. **Surya Prabha, A.C.**, M. Senthivelu and M. Srikanth. 2007. Biopesticides: Integral component in organic agriculture. *Asian Science*.2(2) : 11-12.
6. **Surya Prabha, A.C.**, M. Senthivelu and M. Srikanth. 2007. Vermicomposting : A promising waste recycling technology. *Asian Science*.2(2) : 22-23.
7. **Surya Prabha, A.C.**, M. Senthivelu and M. Srikanth. 2007. Acid soil management techniques for sustainable crop production. *Asian Science*.2(2) : 48-50.
8. Sugirdha, M., **A.C. Surya Prabha**, and M. Senthivelu .2007.Azolla: A versatile biofertilizer for sustainable rice production. *Agriculture Update*., 2(1) : 48-49.
9. M. Senthivelu, **A.C. Surya Prabha** and Sugirdha, M. 2007. Integrated plant nutrient management for sustainable agriculture. *Agriculture Update*., 2(1) : 57-58.
10. Sugirdha, M., M. Senthivelu and **A.C. Surya Prabha**. 2007. Bio-reclamation of sodic lands using medicinal and aromatic plants. *Agriculture Update*., 2(1) : 40-41.
11. Senthivelu, M. R. Gobi. And **A.C. Surya Prabha** . 2007. Mann arippai thadukka aazha uzha vendum. Selave illatha thozhilnutpangal. (Tamil). Uzhavar osai. March , 54-55..
12. Senthivelu, M. **A.C. Surya Prabha** and R. Gobi. 2007. Valarchi paruvangalil neerpasanam avasiyam. Nilaiyana urpathikku paruthiyil neer nirvaga murai. (Tamil). Uzhavar osai. May, 50-52.
13. **Surya Prabha, A.C.** and M. Sugirdha. 2006. Problem soils: Reclamation. *Kheti Duniyan*. p.8-10.
14. Vadivel, A., V.P. Duraisami, **A.C. Surya Prabha** and S. Ramasubramoniam. 2006. Oottassathu patrakurai matrum melanmai (Tamil). Pannai Seidhi 19(1): 7-9.

15. **Surya Prabha, A.C.** and M. Sugirdha. 2005. Decomposition of organic materials in soils. *Kisan world*. 32(2) : 39-40.
16. **Surya Prabha, A.C.**, M. Senthivelu and M. Sugirdha. 2005. System of Rice Intensification: Opportunities for rice self sufficiency. *Agrobios News letter*. 4(7): 25-26.
17. **Surya Prabha, A.C.**, M. Senthivelu and M. Sugirdha. 2005. Decomposition of organic materials in soils. *Agrobios News letter*. 4(6): 11-12.
18. **Surya Prabha, A.C.** and M. Sugirdha. 2005. Problem soils: Reclamation. *Kisan world*. 32(10): 45-46.
19. **Surya Prabha, A.C.** 2004. Irrigation water quality and soil properties. *Kisan world*. 31 (10): 44-45.