

Brief Biodata

Dr. Subhash Chand has born on 15th October 1964 Zaidpura Village District Saharanpur, Western UP. Joined ICAR service on 1st May 1997 at ICAR- Indian Institute of Soil and Water Conservation Research and Training Institute (IICSWCRTI), as Scientist Agricultural Economics and worked at its Research Centre Ooty, Tamil Nadu till July 2006. While working at Ooty, was associated with 15 research projects sponsored by ICAR & NATP and Ministry of Wasteland and Rural Development. Also has worked on 12 consultancy projects on impact of natural resource conservation programmes sponsored by various agencies i.e. DRDA, CWDP, DANIDA, Western Ghat Secretariat, Planning Commission Govt. of India, NGO and ICAR etc. During 2006 I was selected as Sr. Scientist Agricultural Economics for ICAR-ICARI, Port Blair. I have worked more than seven years on coastal and island agroecosystems by taking up the research studies at CARI, Port Blair and acted as I/C Head Social Science and Krishi Vigyan Kendra upto end of 2013.



I have joined NIAP, Delhi 03/01/2014 on transfer and working on institutional change and sustainable agriculture areas.

Capacity building porgarmmes: I have undergone on various training programmes at national and international level and conducted training programmes for stakeholders, NGOs and line departments at ICAR-IICSWCRTI, Ooty and CARI, Port Blair Andaman and Nicobar Islands.

Area of Specialization: Project formulation, Impact assessment & evaluation and Policy development for Natural resources conservation, institutional change, sustainable agriculture and rural development.

Awards and Recognitions: Received prestigious award *“The Fakhruddin Ali Ahmed Award for Outstanding Research in Tribal Farming System”* for 2011, Dr. D.R. Singh, Dr. Shrawan Singh, Dr. Jai Sunder and **Dr. Subhash Chand, given by** ICAR, New Delhi.

Research papers in referred journals:

1. **Subhash Chand**, Kuber Ram And P.K. Dixit (2006). Expenditure Pattern of Milk and Milk Products in Urban Area of Western Uttar Pradesh. The Indian Journal of Dairy and Bio sciences Vol. 14(2):43-47.
2. **Subhash Chand**, D.V.Singh, S. Rajkumar, P. Muralidharan, V. Selvi and M.Madhu (2006). Floriculture as a micro enterprise through self help group in Nilgiris., Indian Horticulture, pp-30-32.
3. M. Madhu, A.K. Sikka, P. Muralidharan, D.C. Sahoo, **Subhash Chand**, D.V. Singh, V. Selvi and K. Jeevarathnam (2007). Efficiency and economics of soil and water conservation measures in sloping lands of the Western Ghats. Journal of Soil and Water Conservation. 6(3): 116-121.
4. **Subhash Chand**, A.K. Sikka, R.C. Srivastava and S. Rajkumar (2007). Socio-Economic Upliftment of women through Micro Financing in Watershed Programme

- in Nilgiris District, Tamil Nadu: A Case Study. Ind. J. of Agri. Economics, vol. 62(3): pp-391-392.
5. S. Manivannan, V.S. Korikanthimath and **Subhash Chand** (2007). Impact of Soil and water conservation structures on productivity and ground water table in Barcem watershed of Goa. Indian Journal of Soil and Water Conservation, 35(2): 172-173.
 6. **Subhash Chand**, D.R. Singh, R.C. Srivastava and H.P. Singh (2008). Contract farming of wonder plant (Morinda Citrifolia) - An option for livelihood support of farmers in Bay Islands. Indian J. of Agricultural Economics Vol. 63 (3): 393-394.
 7. **Subhash Chand**, R.C. Srivastava, B. Ganesh Kumar, S. Jaya Kumar, Z. George and K. Roy (2009). Marketed surplus and price spread of milk in Bay Islands: Micro level study. Indian J. of Agricultural Economics Vol. 64 (3): 399-400.
 8. **Subhash Chand**, A. K. Sikka, R. C. Srivastava and Sundarambal (2009). [Constraints Faced by Functionaries in Watershed Management: A Case Study. Indian Research Journal of Extension Education Vol.9 \(2\): 68-71.](#)
 9. **Subhash Chand**, R. Raghupathy and M.Madhu (2009). Dynamics of Agrarian Structure of Nilgiris District of Tamil Nadu and its Implications, Indian Journal of Soil & Water Conservation, 37(3):217-223.
 10. **Subhash Chand**, Alok K. Sikka and V.N. Sharda (2009). Environmental Implications of Converting Natural Grass Land into Eucalyptus Plantations in Hydro Power Catchments in Nilgiris, Tamil Nadu: An Economic Analysis, Indian J. of Agricultural Economics vol. 64(4):618-627.
 11. N C Choudhuri , G Paul, A Kundu, M S Kundu, R N Chatterjee and **Subhash Chand** (2010). Training impact on poultry farmers of South Andaman Islands and comparative performance evaluation of pure and cross breeds of Nicobari fowl. Livestock Research for Rural Development 22 (8) 2010: pp:155-161.
 12. S. N. Sethi, JK Sudaray, A Painigrahi and **Subhash Chand** (2011). Prediction and management of natural disasters through indigenous technical knowledge with special reference to fisheries. Indian journal of Traditional knowledge vol. 10(1): pp 167-172.
 13. S. Jayakumar, A. Kundu, Kontala Roy, Jaisunder, M. S. Kundu, S.K. Verma, M. Balakrishnan, **Subhash Chand**, S. K. Zamir Ahmed and R. C. Srivastava (2011). Sonographic characteristics of goat testis on water bath based ultrasonography, Indian J. of Dairy sciences (84(1): 76-78.
 14. S. Jayakumar, A. Kunsu, Kontala Roy, Sujatha T., M. S. Kundu, **Subhash Chand**, M. Balakrishnan, , S and R. C. Srivastava (2011). Transvaginal ultrasonography as an aid for diagnosis of ovarian abscess in a cow. Indian Veterinary Journal 88(10):111-113.
 15. Ajanta Birah, R. C. Srivastava, **Subhash Chand** and S. K. Zamir Ahmed (2011). Role of Women in Pest Management in Andaman. India. J. of Res. Ext. Edu. (11(1) pp-79-82.

16. **Subhash Chand**, R.C. Srivastava, P. Krishnan, S. Jaikumar, Ajanta Birah, S. N. Sethi and Nagesh Ram (2011) Impact of Tsunami Rehabilitation Programme for Reviving Livelihood of Affected People of Bay Islands, India 6th National Extension Education Congress, India. J. of Res. Ext. Edu , pp-2-5 .
17. R. Raja, N. Ravisankar, S. Ghosal Chaudhuri, S. K. Ambast, **Subhash Chand**, M. Din, Babulal Meena, T. Subarmani, and Zamir Ahmed (2012). Effect of supplemental irrigation of yield and water productivity of dry season crops in Andaman and Nicobar Islands, Indian J. of agricultural sciences vol. 82(20): 122-1226.
18. Ajmer Singh, S.K. Zamir and **Subahsh Chand** (2012) prospectus of Campbell Bay being production hub; The econ of India, Port Blair 19th March 2012.
19. **Subhash Chand**, P. Krishanan, R.C Srivastava and S. Dam Roy (2012). Assessment of ecological functions of mangroves in Andaman and Nicobar Islands, India, Ind. J. of Agril. Econ.; vol. 67(3):354-355
20. **Subhash Chand**, Shrawan Singh, Ajmer Singh and S. Dam Roy (2012). Prospects and strategies for Eco-Horti-Tourism for sustaining tropical islands ecosystem: A case study of A & N Islands, India, Published in the national seminar on innovative technologies for conservation and sustainable utilization of island biodiversity proceedings by D R Singh et.al. pp-89-93.
21. S. Jayakumar, Arun Kumar Dey, A. Kundu, Kontala Roy, Jaisunder, M. S. Kundu, M. Balakrishnan, **Subhash Chand**, S. K. Zamir Ahmed (2013). Sonographic characteristics of goat testis on water bath based ulterasonography, Livestock Science 152: 79-87.
22. **Subhash Chand**, P. Krishnan, S. N. Sethi (2013). Economic impact assessment of rehabilitation scheme of Tsunami affected farmers of Bay Islands in India. Indian Res . J. Ext. Edu. 13(1): pp-56-62.
23. **Subhash Chand**, **A.K. Sikka**, Madhu. M., Singh. D.V and Sundarambal, P and S. Rajkumar (2013). Women empowerment through micro financing under watershed programme in Tamil Nadu, Indian Journal of soil conservation Vol. 41(1):pp 77-82.
24. **Subhash Chand**, R.C Srivastava, P. Krishanan and S. Dam Roy (2013). Valuation of mangroves services in Andaman and Nicobar Islands, India, Basic Research Journal of Agricultural Science and Review ISSN 2315-6880 vol. 2(6):pp 130-137.
25. **Subhash Chand**, Naresh Kumar and S. Dam Roy (2013). Livestock production challenges and strategies for tropical agro ecosystem, Andaman and Nicobar Islands, India, Basic research journal of agricultural science and review Vol. 2(10):pp.
26. Sharwan Singh, D.R. Singh, L.B. Singh, **Subhash Chand** and S. Dam Roy (2013). Indigenous vegetables for food and nutritional security in Andaman and Nicobar Islands, India, International Journal of Agriculture and Food Science Technology Vol4(5):pp.503-512.

27. [Shrawan Singh](#), [D.R. Singh](#), [Subhash Chand](#), [Ajanta Birah](#) & [S. Dam Roy](#) (2013). Analysis of Perspectives of Self-sufficiency in Vegetable Production Under Tropical Conditions. *International Journal of Vegetable Science*. (Online).
28. A.K. Sikka, M. Madhu, **Subhash Chand**, D.V. Singh, V. Selvi, P. Sundarambal, K. Jeevarathnam and M Murgaiyah (2014). Impact analysis of participatory integrated watershed management programme in semi- arid region of Tamil Nadu. *Indian Journal of Soil conservation* vol 42(2):pp 98-106. (Best Research paper published in the year 2014).
29. **Subhash Chand**, D.V. Singh, M. Madhu and A.K. Sikka, (2014) Medicinal and aromatic plants for soil and water conservation in Nilgiris, Tamil Nadu, India: An economic analysis, *Molecular Soil Biology*, Vol.5, No.8 1-6 (doi: 10.5376/msb.2014.05.0008).
30. Shrawan Singh^{a*}, D.R. Singh^a, **Subhash Chand**^b, Ajanta Birah^c & S. Dam Roy^d (2015). Analysis of Perspectives of Self-sufficiency in Vegetable Production Under Tropical Conditions, *International Journal of Vegetable Science*, Vol. 21 (1), pp: 53-68.
31. **Subhash Chand**, Sharwan Singh, Shinoj Parappurathu, S. Dam Roy & Anjani Kumar (2015). Explaining the status and scope of ecotourism development for livelihood security: Andaman and Nicobar Islands, India, *International Journal of Sustainable Development & World Ecology*, DOI: 10.1080/13504509.2015.1050478.
32. **Subhash Chand**, AK Sikka, D. V. Singh, R. Ragupathy and P Sundrambal (2015). Comparison of acacia and eucalyptus agroforestry system for hills: tamil nadu, india , *international journal in management and social science (ijmss)*, vol.03 (02),issn: 2321-1784 (impact factor- 3.25)pp:990-1000.
33. **Subhash Chand**, D.V. Singh, M. Madhu and A.K. Sikka, (2014) Medicinal and aromatic plants for soil and water conservation in Nilgiris, Tamil Nadu, India: An economic analysis, *Molecular Soil Biology*, Vol.5, No.8 1-6 (doi: 10.5376/msb.2014.05.0008).
34. N. Ravisankar, **Subhash Chand** and Kamta Prasad (2015). Status and Future Prospect of Organic Agriculture for Safe Food Security in India, book on *Status and Future Prospect of Organic Agriculture for Safe Food Security in SAARC Countries* Edited by Dr. Muhammad Musa, Dr. Sheikh Muhammad Bokhtiar and Dr. Tayan Raj Gurung pp-102-224.
35. **Subhash Chand** (2015). Impact Assessment of Natural Resource Conservation Programmes: A Case Study of Watersheds book chapter No. 8 on Application of Analytical Techniques for Decision Making in Agriculture Edited by Raju et.al. NIPA New Delhi, pp 93-105.
36. Anjani Kumar, RKP Singh, Shive Jee, **Subhash Chand**, Gaurav Tripathi and Sunil Saroj (2015). Dynamics of access to rural credit in India: Patterns and determinants, *Agricultural Economics Research Review* vol. 28 Pp 151-166.
37. Prem Narayan and **Subhash Chand** (2016). Imbalance in Demand and supply of pulses and technical solutions, *Kheti*, ICAR, New Delhi. Pp:7-12.

38. **Subhash Chand**, Anjani Kumar, Madhusudan Bhattarai and Sunil Saroj (2016) Status and Determinants of Livestock Insurance in India A Micro Level Evidence from Haryana and Rajasthan, IJAE accepted.

Book Authored/ written:

1. Madhu, D. V. Singh, Muralidharan, V. Selvi, Sundarambal, **Subhash Chand**, and V. N. Sharda (2006) on Natural Resource Management for eco-development and livelihood security (ISBN 81-8189-197-X), International Book distributing Co. Lucknow, pp-1-600.

2. G. Phalguni, R.C. Srivastava, S. Dam Roy, **Subhash Chand**, S.K. Zamir Ahmed, S.K. Verma, Ajanta Birah, P. Krishnan, I Jaisankar (2011). Science Bibliography of Andaman and Nicobar Islands from 1688-2010, published by CARI, Port Blair A & N Islands, India PP-460 and priced Rs. 1000/- copy.

3. **Subhash Chand**, D.R. Singh R.C. Srivastava & M. Din (2012). Post Tsunami Impact of Rehabilitation Schemes in Andaman & Nicobar, India Published by Lap Lambert Academic publishing GhmbH & Co KG and Licenser Germany ISBN: 978-3-659-10919-5 and priced Euro 49/- copy

4. Ajmer singh, **Subhash Chand**, SK Zamir, Nagesh Ram, Er. Paik and LB Singh (2013). Technological interventions and farm innovations: A way ahead for the island farming community, Published by the Director, CARI, Port Blair, A & N Islands.

5. **Subhash Chand**, B. Ganesh Kumar and S. Jeyakumar (2013). Livestock for nutritional security: An Economic analysis Andaman and Nicobar islands, Published by Lap Lambert Academic publishing GhmbH & Co KG and Licenser Germany ISBN: 978-3-659-41420-6, pp1- 66, and priced Euro 35/- copy.

Consultancy projects completed:

1. Samra, J.S., Sikka, A.K., Tripathi, K.P., Selvi, V., Sam, M.J., **Subhash Chand**, Madhu, M., Singh D.V. and Ragupathy, R. (1998). "Integrated Watershed Project plan of M. Palada (KG-4) Watershed in Kundha Catchment, Nilgiris". Prepared for Tamil Nadu Agricultural Engg. Department, RVP Coonoor, Nilgiris.
2. Samra, J.S., Sikka, A.K., Madhu, M., Singh D.V., Selvi, V. **Subhash Chand**, Tripathi, K.P., Ragupathy, R. and Sam, M.J. (1999). "Project Report on Integrated Watershed Management Plan of KG-3 Watershed in Kundah catchment, Nilgiris", sponsored by HADP, Nilgiris. Prepared for Tamil Nadu Agricultural Engg. Department, RVP Coonoor, Nilgiris.
3. Sikka, A.K., **Subhash Chand**, M. Madhu and M.J. Sam, (1999). "Mid-Term Evaluation Report on DPAP watershed programme" was prepared and submitted to the, DRDA Coimbatore related to consultancy project June 1999.
4. Sikka, A.K., **Subhash Chand**, M. Madhu and J.S. Samra, (2000). "Final Evaluation Report on DPAP watershed programme" was prepared and submitted to the DRDA Coimbatore related to consultancy project December 2000.
5. Sikka; A.K., Naryanasamy, N., Pandian, B.J., Selvi, V., **Subhash Chand** and Ayyapalam (2001). "Participatory impact evaluation of Comprehensive Watershed Development Project" sponsored jointly by Danish and Indian Govt., Tirunelveli, Tamil Nadu,

6. Madhu. M., **Subhash Chand**, Selvi.V., Singh. D.V., Sharda. V. N and Sikka. A.K. (2003). Evaluation study of Western Ghats Development Programme in Goa, sponsored by Planning Commission Govt. Of India while working at CSWCRTI, Research Centre, Udhagamandalam.
7. Madhu. M., **Subhash Chand**, Sundarambal. P., Singh. D.V., Muralidharan and Selvi.V. (2003). Impact of village ponds (Ooraries) Rehabilitation project in Ramanathapuram district, Tamil Nadu. CSWCRTI, Research Centre, Udhagamandalam.
8. M.Madhu, **Subhash Chand**, P. Sundrambaland and Sikka, A.K. (2004), Impact Evaluation of DPAP watersheds in Coimbatore district (IVth Batch). Report prepared and submitted to the DRDA Coimbatore, Tamil Nadu.
9. M. Madhu, **Subhash Chand**, P. Muralidharan, DC. Sahoo and R.Mohan Raj (2006). Impact Evaluation study of Mevarakal (NWDPR) Watershed in Trivendrum district of Kerala. Report prepared and submitted to the Ministry of Agriculture Govt. of India, New Delhi.
10. R.C. Srivastava, **Subhash Chand**, D.R. Singh and M. Din (2008). Impact Assessment of Post Tsunami Agricultural Development Programmes in Andaman and Nicobar Islands. Report prepared and submitted to the Development Commissioner, A & N Administration Port Blair, Andaman and Nicobar Islands (U.T.).

Radio talks delivered:

| | Title of radio talk | Date & time of broadcasting |
|----|---|-----------------------------|
| 1. | Importance of People's participation in natural resource conservation programmes. | 11/12/2006 at 6.0 pm |
| 2. | Project planning and records management for better agriculture production. | 24/08/ 2007 at 6.0 pm. |
| 3. | Economics of Noni (<i>Morinda citrifolia</i>) cultivation in Bay Islands. | 18/02/09 at 6.0 pm |
| 4. | Scope of flower cultivation in A & N Islands. | 18/10/2009 at 6.0 pm |
| 5. | Watershed management for sustainable agriculture in rainfed areas. | 08/03/2010 at 6.0 pm |
| 6. | Impotence and scope of KVK for farmers of A & N Islands. | 07/02/2011 at 6.0 pm |
| 7. | Importance of Mangroves in Rural economy of coastal areas. | 17/08/2011 at 6.0 pm |
| 8. | Agriculture based ecotourism and farmers | 11/12/2013 at 6.0 pm |

DD Programmes prepared and conducted:

1. **Door Darshan Programme:** functions of ATIC for the benefit of the Island farmers 1/1/2008
2. **DD programme:** on cultivation of brinjal CARI-1 as demonstration at farmer's field for economic security (27/03/2012).
3. **DD programme:** on cultivation and awareness programme on maize introduction in A & N Islands on 12/5/2012 at KVK and broad casted on 15/5/2012 on regional DD-1 network.

Membership of professional societies

1. Life membership of Indian Society of Agricultural Economics, Bombay, India.
2. Life membership of Indian Association of Soil and water Conservationists IISWC, Dehradun, Uttranchal, India.
3. Life membership of Nilgiris Agricultural Scientists Forum, Nilgiris, Ooty, Tamil Nadu, India.

4. Life membership of Alumni association of agricultural Scientist, NAARM, Hyderabad, India.
5. Life membership of Society of Extension Education, Agra from 2009.
6. Life membership of Indian Agricultural Scientists forum (ARS Forum), Delhi.

(Subhash Chand)