

Faculty Profile



**Dr. A. Tajuddin , B.E.(Ag.), M.Tech.(IIT-KGP), Ph.D.
Professor & Head**

HIGHLIGHTS:

- Number of Journal Publications: 90 (including conference papers)
- H-Index: 10 (Google Scholar)
4 (Scopus)
- Project funding received: 10.00 lakh
- Patents Published: 4
- Patents Granted: 2

PROFESSIONAL LINKS:

- Scopus ID: 7003640967
- Scopus Link:
- Anna University Faculty ID: 287586
- AICTE Faculty ID: 1-3613918655

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 35 years
- Industrial Experience: 1 year

INTERNATIONAL EXPOSURE:

- Food and Agriculture Organization(FAO), Rome, Italy sponsored Agricultural Human Resources Development Program (AHRDP) Training at the Farm Machination Centre, The University of Queensland, Gatton College, Australia - August to December, 1998

AREA OF SPECIALIZATION:

- Farm Power and Machinery Engineering

Ph.D's AWARDED WITH DETAILS:

S.no.	Name of the Scholar	Title of the Thesis	Year of Completion	Full Time/Part Time
1	G.Vasuki	Development and evaluation of tractor operated inclined plate cotton planter for high density planting system	2016	Full Time
2	R.Murugesan	Investigation on development and performance of electric powered walking tractor.	1998	Full Time
3	R.Karunanithi	Some investigations on ergonomics of selected rice farming operations and equipment	1997	Full Time

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Development of engine operated walk-behind vertical rotary single row weeding equipment for wet land paddy crop for Rs.3.60 lakh

PATENTS PUBLISHED/GRANTED:**Patents Granted:**

- Lever operated sugarcane mother shoot cutter - Patent No.532520 - 10.04.2024
- Hand operated farm tool for removing mother shoots of sugarcane crop - Patent No.351648 - 10.04.2020
- Lowland rice weeder - Patent No. 431585-001- 30.01.2025
- Pyramid shaped protective food storage container - Patent No. 410147-001 - 12.03.2024

Patents Published:

- Development and testing of multi-row seeder with rotary seed hoppers as an attachment to tractor-drawn cultivator - 202441009518A - 08.03.2024
- Tractor operated raising platform for fruit harvesting - 202441050790A - 12.07.2024
- Engine operated walk-behind vertical rotary single row weeding equipment for wet land paddy crop - 202441056774A - 02.08.2024
- Battery powered hand held in-situ sugarcane de-trashing device - 202441058236A - 09.08.2024

ACHIEVEMENTS AND AWARDS:

- Best Research Work Award in Agricultural Engineering - 1995 of Tamil Nadu Agricultural University.
- R.K. Jain Memorial Award, ASPEE Award and Commendation Medal Award of the Indian Society of Agricultural Engineers (ISAE)

- Agriculture Engineering Division Prize of The Institution of Engineers (India) for the paper, 'Development and laboratory testing of battery powered knapsack pneumatic sprayer' for the year 2005-06.
- Outstanding Engineer Award 2018 of the Institution of Engineers (India), Coimbatore Local Centre.

SPECIAL SESSIONS DELIVERED:

- Keynote Address- National Seminar 'Advanced Technologies in Agriculture for Sustainable Development' sponsored by the Institution of Engineers (India) at SRM Valliammai Engineering College, Kattangulathur - 1 August 2024.
- Special Lecture on Machines for Profitable Farming - Seminar on Increasing Farm Power for Maximum Crop Productivity - Sri Shakthi Institute of Engineering and Technology, Coimbatore - 19 July 2018.
- Invited Lecture on Special Farm Equipment - 38th Indian Engineering Congress organized by The Institution of Engineers (India) - Chennai - 20-22 December 2013.
- Invited Lecture on small implements and tools for small farm holdings - Agri Tech Festival - Periyar Maniammai University, Thanjavur -31 August 2013.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- I International Conference on Innovative Agricultural Engineering and Food Technology - Sri Shakthi Institute of Engineering and Technology, Coimbatore - 24 December 2020.
- 54th Annual Convention of Indian Society of Agricultural Engineers - Pune - 7-9, January, 2020.
- 46th Annual Convention of Indian Society of Agricultural Engineers - G.B.Pant University of Agriculture and Technology, Pantnagar, Uttarkhand - 27-29 February 2012.
- AgriCon 2012 organised by the Confederation of Indian Industry, Tamil Nadu Technology and Development Centre - Chennai - 13 December 2012.
- All India Seminar organized by The Institution of Engineers (India) - Raipur - 22-23 December, 2010.
- 44th Annual Convention of Indian Society of Agricultural Engineers - Nagpur - 19-20 July 2009.
- 43rd Annual Convention of Indian Society of Agricultural Engineers - Ranchi, Jharkhand - 15-17 February 2009.
- All India Seminar on Mechanical Cultivation of Sugarcane and Safety-Quality Management in Sugar Industry organized by The Institution of Engineers (India), Karnataka State Centre, Bangalore and Safety and Quality Forum, New Delhi - Bangalore during 10-11 March 2007.
- 18th National Convention of Agricultural Engineers organized by The Institution of Engineers (India) held at Tamil Nadu Agricultural University, Coimbatore - 26-27 March, 2005.

- 11th National Convention of Agricultural Engineers, The Institution of Engineers (India) - Dharwad, Karnataka - 6-7 September, 1996.
- All India Seminar on Agricultural Machinery and Equipment organized by The Institution of Engineers (India) - Jabalpur - 9-10 July 1988.

PROFESSIONAL MEMBERSHIPS:

- Fellow and Life Member of Indian Society of Agricultural Engineers.
- Fellow and Life Member of The Institution of Engineers (India)
- Member of Asian Association of Agricultural Engineering

OTHER DETAILS (If any):

- National Service Scheme Programme Coordinator of Tamil Nadu Agricultural University from 9 February 1989 to 9 May 1995.
- Committee Member – Tamil Nadu State Centre of the Institution of Engineers (India) for two consecutive sessions during 2004-2008 and for the current session 2024-26.
- Tamil Nadu Agricultural University has released 17 farm equipment designed and developed by me through research, out of which 7 farm equipment have already been commercialized.