

SCIENTIST PROFILE



1. Name & Designation : Shivcharan Prasad Patel
Principal scientist
2. Date of Birth : 28th May, 1955
3. Date of joining ICAR : 4th July, 1986
4. Date of joining the present post : 27th July, 1998
5. Qualification (highest degree) : M .Tech.
6. Post Doctoral Research Experience/Training: Nil
7. Area of Specialization/research interest: Farm Machinery and Power
8. Significant Contribution (Five bullets):
 - Developed five row power tiller operated seed drill for sowing rice and rice based crop green gram and black gram.
 - Developed five row power tiller operated seed drill for sowing rice and rice based crop Groundnut.
 - Developed seven row bullock drawn weeder and eight row Power tiller operated weeder for intercultural operation in rice and rice based crop.
 - Energy survey of five villages in Orissa situated in different soil agro climatic zone and Energy requirements study in raised bed system of rice and rice based crops.
 - Developed single row power weeder for intercultural operation in rice and rice based crop.
9. Awards/Honours: Nil
10. Publications (10 best):
 - i. Mohapatra PC, Din M, Parida BC, **Patel SP** and Mistra P (2012). "Effect of mechanical Planting and weeding on yield, water use efficiency and cost of production under modified System of rice intensification. **Indian Journal of Agricultural Sciences** 82(3), 280-3.
 - ii. **Patel SP** (2011). Development of power tiller operated seed drill for rice and pulse. **Oryza** 48(1): 52-55.
 - iii. Choudhery AK, Parida BC and **Patel SP** (1996). Mechanization of rice cultivation and post harvest processing. **Indian Farming** 46(9): 38-44.
 - iv. Pandey HK, Mitra BN, Pandey KP, and **Patel SP** (1996). "Efficient management and utilization of energy in crop production." Paper published in **Proceeding** of the International Symposium on rain fed rice for sustainable food security by central rice research Institute and association of rice research worker Cuttack. p301-310.
 - v. **Patel SP** and Devnani RS (1996). *Bharpoor Dhan Sudhre Yantron Se*. **Kheti** 50(9): 9-50.
 - vi. **Patel SP** and Das FC (1994). Energy conservation in rice cultivation by selection of sowing method. **Oryza** 31: 46-49.
 - vii. **Patel SP** and Das FC (1992). Effect of tillage on different energy parameters in rice cultivation **Oryza** 29: 131-135.
 - viii. Ram Salik, **Patel SP** and saraswat VN (1991). Energy utilization for weed management practices in different system of rice cultivation. **Indian Journal of Weed Science** 23(1&2): 13-17.