

**Aswini Kumar Goel, Ph.D.**  
**Associate Professor & OIC**  
**Farm Implement Design Unit,**  
**Department of Farm Machinery & Power**



### **Education**

- Ph.D. (Agril. Engg, Utkal University, (India)- 2003
- M. Sc (Ag.Engg & Tech) in Farm Machinery & Power, Orissa University of Agriculture and Technology, Bhubaneswar- 1988
- B.Sc. (Ag. Engg. & Tech.), Orissa University of Agriculture and Technology, Bhubaneswar- 1985

### **Experience**

*Working in OUAT Bhubaneswar since 1985 in different capacities in teaching, research and extension and as Associate Professor, Farm Implement Design Unit, Department of Farm Machinery & Power since Sep, 2003; OIC, FIDU since July,2010 and Principal Investigator, Farm Machinery Testing Centre since 2008.*

### **Externally Funded Projects/ schemes**

- Principal Investigator, RKVY project on “Strengthening of Farm Implement Design Unit for Development and Testing of Farm Implements ” (Project period 2008-2011)

### **Other important assignments**

- Member, (representative of Dean, CAET) State Level Technical Committee, Directorate of Agriculture & Food Production, Govt. of Odisha
- Member, Committee for Technology and Innovation in Agriculture, Planning & Coordination Department, Govt. of Odisha, 2014-15.

### **Courses taught**

- Testing and evaluation of tractors and farm equipment (M. Tech)
- Applied Instrumentation (M. Tech)

### **Students guided**

Guided 3 students for M. Tech.

### **Significant research contributions**

- Developed a power operated maize sheller: Commercialized
- Developed a hand- cum-power operated chaff cutter: Commercialized
- Developed manually operated dry land weeder: Commercialized
- Developed mini pulse reaper: Commercialized
- Developed power operated drum seeder: Commercialized
- Developed a power pulse reaper : To be commercialized soon
- Standardised the nursery raising parameters for mat nursery used in rice transplanters

***Present research interests***

- Seeding and transplanting machinery
- Pulse harvesting machinery

***Honours and Awards***

- Institution of Engineers (OSC) gold medal (K.C.Das Memorial award) for best research paper in 1999, 2000 and 2004

***Peer recognition***

- Referee of two international journals
- Consultant and resource person to different Govt. and non-Government organizations
- Member of several state level committees working on farm mechanization programme

***Publications******Selected publications***

- **Goel, A. K,** S. Swain and D. Behera,2009. Effect of seedlings age on the performance of rice transplanter, Agricultural Mechanization in Asia, Africa and Latin America, Japan, Vol. 40, No.3
- **Goel, A. K,**D. Behera,B.K.Behera, S.K.Mohanty and S.K.Nanda,2008. Development and ergonomic evaluation of a manually operated weeder for dryland crops. Agricultural Engineering International, the CIGR Ejournal, Manuscript PM 08 009 Vol. X.
- **Goel, A. K,**D. Behera and S. Swain,2008. Effect of sedimentation period on the performance of rice transplanter. Agricultural Engineering International, the CIGR Ejournal, Manuscript PM 07 034 Vol. X.

***Contact details:***

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