

Name: Ajay Girdharilal Chandak

Mission: Energy Independence through renewable sources.



ADDRESS: PRINCE (Promoters, Researchers & Innovators in New & Clean Energy),
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EDUCATION: Pursuing Ph.D., M.Tech. (Mech) IIT Bombay, 1986, B.E. (Mech) COEP 1984.

OCCUPATION: Working as faculty in Mech. Engg. at SSVPS BSD COE, Dhule: 424005
Consultant, Innovator & Designer Renewable Energy and Energy Efficiency systems.
Founder & Chairperson of voluntary group PRINCE, www.princeindia.org

PROFESSIONAL MEMBERSHIPS & ASSOCIATIONS: Memberships of 12 professional associations including 'International Solar Energy Society', 'Solar Energy Society of India', Institute of Engineers, Institute of Production Engineers, Solar Cookers World Network etc.

Consultancy in EERE:

- Worked as a "Green Energy Consultant" for United Nations, New York, for one year.
- Other international exposure: For Binani cement in Dubai, for Limtech Corporation in US. Renewable consultant for Project Surya for Dr. Ramnathan from California US.
- Consultant to many companies and organisations for 'Energy Efficiency and Renewable Energy'. Carried out many energy audits for Industries and commercial organisations.

AWARDS: Many awards for the work in EERE, including,

- State level "Energy Conservation Award" in Individual category: 1st for both the years, 2008-09 and 2009-10 from MEDA (Govt. of Maharashtra)
- 'Shirin Gadhia Sustainability Award 2011' by NGO ICNEER.
- 'Renewable Energy Award 05' from MEDA (Govt. of Maharashtra),
- 'Engineering Achievement Award' for 2005, by Institute of Engineers.
- Best innovations in renewable energy: 'Solar Concentrators' at Innovation 2009, and 'PRINCE biogas plants' at Innovation 2011, a national event by Alumni association of IIT Bombay.

Patents: Total 29 patents. 4 awarded, 25 pending.

Many products like innovative float valve, solar cookers, solar industrial concentrators, solar dryers, biogas plants, efficient wood stoves etc. are commercialized.

Positions held/ associations with International / Govt. / Social / Academic institutions.

- "Technology Angel" for Ministry of Science and Technology, Govt. of India.
- Expert evaluator for, National Innovative Foundation, Ahmedabad.
- Experience as technical expert with MEDA and MNRE at state and central govt.
- Facilitator for "National Productivity Council", Govt. of India for WMC projects.
- Invited as expert faculty at IIT Bombay for renewable energy related training programs.
- Chief faculty at National Research Training Center Nashik for energy and water audit.

Publications:

- Seven papers at International and National peer reviewed Journals,
- 16 Research papers and projects presented at international conferences in Spain, Nepal, Germany and India,
- 14 Research papers and projects presented at national conferences.
- One manual on parabolic solar cookers and many papers and articles in 'Akshay Urja', 'Future Energy', 'Urja Watch' etc.

International conferences attended: 21, National conferences attended: 18.

Expert lectures, Key note addresses etc.: Have been invited as key note speaker, session chair, co-chair, expert speaker at many international and national level events and training program in renewable energy. More than 100 expert lectures delivered in different capacities.

Workshops organized: 10 programs. Many entrepreneurs developed through such programs. Main organizer and Chief faculty at these training programs. More than 70% of the dish cooker manufacturers registered with MNRE are our trainees.

PROFESSIONAL AND SOCIAL CONTRIBUTIONS:

- Certified Energy Auditor by Bureau of Energy Efficiency, Govt. of India.
- Founder and chairperson of voluntary group PRINCE (Promoters, Researchers, Innovators in New & Clean Energy) www.princeindia.org.
- Many projects executed where funds are raised through charity for providing solar cookers to deprived communities.
- Involved in all kinds of promotional activities related to EERE.
- Chairman of YHAI Dhule unit, member Rotary Club and many charitable organisation.

Media recognitions: A TV show/Interview was broadcasted in two episodes in programme "Samvad" by ETV, Project work based on new solar concentrator was broadcasted on national DD channel in a programme by PCRA, few radio interviews, cover stories in Science magazine 'Patrika', and other magazines like 'Lifestyle farmer' and 'One India One People' Articles and appreciations in many news papers at national, state and local level. Many articles published in solar cooker international's newsletters etc.



(Ajay G. Chandak)

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