

Dr. Amarjot Kaur Dhama, PhD



Subject: Physics

I have the experience and interest in teaching the following subjects:

- Physics to middle school, high school and higher secondary students (K-12).
- Engineering Physics to Engineering students doing under graduation.
- Physics to college and university students.
- PhD guidance to PhD students.
- Homework help to school and college students.

Educational Qualifications:

- Ph.D. in Physics, Indian Institute of Technology (IIT), Kharagpur, India, 2001.
- M.Sc. (Hons) in Physics, Guru Nanak Dev University, Amritsar, India, 1995.
- B. Sc. (Hons) in Physics, Guru Nanak Dev University, Amritsar, India, 1993.

Academic and Professional Experience: 14 years of teaching and research experience.

Teaching Experience:

- Private Tutor, 2018- Present
- Associate Professor, Lovely Professional University, Phagwara, India, 2012-2015.
- Asst. Professor, SBBS Institute of Engg. & Tech., Jalandhar, India, 2009-2012.
- Lecturer, Government College, Hoshiarpur, 1995-1996.

Postdoctoral Research Experience:

- Postdoctoral Research Associate, Indian Institute of Science, Bangalore, (IN) 2003-2005.
- Postdoctoral Research Associate, University of Denver, Colorado, USA, 2005-2006.
- Postdoctoral Research Associate, Indian Institute of Science, Bangalore, (IN) 2006-2007.
- Postdoctoral Research Associate, University of Antwerp, Belgium, 2007-2008.

Honors, Awards & Scholarships:

- 'INSA Visiting Scientist Fellowship' awarded by Indian National Science Academy, Govt. of India, 2012.
- 'Distinguished Services Award' given by International Electron Paramagnetic Resonance Society, 2004.
- 'Institute Postdoc Fellowship' given by Indian Institute of Science, Bangalore, India, 2003.
- 'Senior Research Fellowship' by Council for Scientific and Industrial Research (CSIR), Govt. of India, 1999.

Research Activities:

I am one of the pioneers in India on the research work on hazards of mobile phone radiation. I have presented papers in international conferences in India and many other countries, including USA, Belgium and South Africa. I have over 20 research papers in peer reviewed international journals.

I have worked in diverse fields and besides electromagnetic pollution, radiation physics and health physics, other areas of research are experimental condensed matter physics, cryogenics, nano-materials, graphene based dye sensitized solar cells and superconductivity. I have guided students for their M.Sc. and PhD thesis dissertations.

My additional activities and interests have been, policy making in scientific research and science, scientific administration, organizing international conferences, studies and surveys on low ratio of women scientists, in particular women physicists around the globe.

I am also a member of the International EMF Scientists forum consisting of 190 members from 39 nations who submitted an appeal in 2015 to the United Nations, UN member states and the World Health Organization to adopt more protective exposure guidelines for electromagnetic fields and wireless technology in the face of increasing evidence of health risk.