

Dr. Amanullah Fatehmulla
Associate Professor.

CONTRIBUTIONS IN THE DEPARTMENT THROUGH:

**Activities- Committees membership -King Saud University engagements-
community services and other international affiliations-memberships:**

Apart from teaching assignments of atleast three different courses(Graduate and undergraduate) and student projects (Graduate and undergraduate) during each semester , I have the honor/engagements of being associated as follows:

- 1) **Member:** Physics and Astronomy Department council, College of Science, King Saud University, Riyadh----- (22/11/1995 -).
- 2) **Member:** Renewable energy and environment research group (REERG), (Formerly Solar Energy Research Group) in Department of Physics and Astronomy, King Saud University, Riyadh ----- (22/11/1995 -)
- 3) **Member: Library,** Cultural activities, Seminars, and public relation affairs committee of the physics department, KSU------(2004- 2009).
- 4) **Member: Laboratory committee** of the Physics department, KSU(2008-----)
- 5) **Co-ordinator –Phys106:** 2nd Sem 1427-28 H
- 6) **Assisting the Co-ordinator** –Phys 145 course, 2nd Sem 1429-30 H
- 7) Co-ordinator - **Phys 145 Course** : Summer 1429-30H
- 8) **B.Sc degree program (New):** Assisted/Participated/contributed in the adhoc committee headed by Dr. Saleh Salman including the syllabus for Phys 474, Phys 424, Phys 425, Phys 475.
- 9) **post graduate committee:** Extended services in setting questions for qualifying examinations of M.Sc program
- 10) **M.Sc program:** Designed syllabus for Phys 572(Semiconductors), Phys 574(Materials Science) and Phys ----(Vacuum and Thin Film Technology)

- 11) **Ph.D program committee-** Extended services by participation /discussion and contributed with suggestions.
- 12) **Subject expert/external selection committee member:** **Extended/Extending** services as for selecting Physics postgraduate teachers for International Indian School (IIS) as well as International Indian Public School (IIPS) –CBSE curriculum in Riyadh, KSA.
- 13) **Evaluated/Evaluating** (as **Reviewer/Examiner**) for **Ph.D** and **M.Sc. thesis** – External/ Internal committee member.
- 14) **Evaluated/Evaluating** (as **Reviewer**) research papers for publication in research journals of international repute which include ISI indexed journals, King Saud University (College of Science) Journal and Arab Gulf Journals.
- 15) **Evaluated/Evaluating** (as **Reviewer**) abstracts of research papers as well as full papers for National Conferences and International conferences in Saudi Arabia.
- 16) **Evaluated/Evaluating** (as **Subject expert/Reviewer**) Research project Proposals of KACST, Deanship of Scientific Research(DSR), KAU Jeddah etc.
- 17) **Supervised/supervising** M.Sc and B.Sc research projects
- 18) **Principal/co-investigator** for College of Science Research Center/Deanship of scientific research/ KAIN research projects.
- 18) **Course Specification - Phys 474:** Prepared and submitted for academic accreditation and assessment.
- 20) **Course Report –Phys 474:** Prepared and submitted for academic accreditation and assessment.
- 21) **Developed Low cost thin film techniques :**
 i) Spray Pyrolysis
 ii) Chemical bath deoposition (CBD)
- 22) **Scientific talks/ Interviews (on Radio F.M 97.7)**
 i) Solar Energy/ Nanotechnology – (English and Urdu) Broadcasted in 2008.
 ii) Nanotechnology- broadcasted in 2009: Part 1- sat 16 April 4.30 pm.
 : part 2- sun 4th May 4.30 pm.

23) Gave invited talks

On:

1) Solar Water Pumping Systems & Solar Refrigeration Systems

2) Nano Materials-Application of Nano technology in Solar Energy

During sept 2009 in DCET, Osmania University, Hyderabad, India

OTHER ACADEMIC /ADMINISTRATIVE/ RESEARCH/ LITERARY ACTIVITIES, AND EXPERIENCE

1. *Worked as Chairman of the Physics department.*
2. *Incharge of examinations*
3. *Proctor/Member of Academic council*
4. *Convened cultural programs*
5. *Conducted Quiz competitions*
6. *Advisor to the starting of the polytechnic (minority institution run by the Tayyab Educational Trust) at Cuddapah (A.P), India.*
7. *Apart from Osmania University, Examiner to Health University for conducting practical and theory exams.*

PROFESSIONAL AFFILIATIONS:

- *Member, International Solar Energy Society (ISES)*
- *Member, Indian Association of Physics Teachers.*
- *Member, Instrument Society of India*
- *Member, National Semiconductor Society (India)*
- *Member, Society for the advancement of solid state Sciences (SAAS), Hyderabad, India.*