

INDIVIDUAL TEACHER'S PROFILE

- 1) Name(In Capital): **DR. HOMESWAR KAKATI**
- 2) Designation: **Associate Professor**
- 3) Contact No. & Email id: **9435559769 & kakatidr@gmail.com**
- 4) Educational Qualifications:

A)

Degree	Year	University	Specialization
MSc	1987	GAHATI UNIVERSITY	SPECTROSCOPY
M. Phil			
PhD	2002	GAHATI UNIVERSITY	PALSMA PHYSICS

B) Title of the Thesis (M. Phil/PhD/ Both): **Studies on Linear and Nonlinear Effects in Plasmas.**

5) Teaching Experience in year(s): **26 Years**

6) Area (s) of Interest: **Cosmology & Philosophical aspect of Physics**

7) Publication(s):

A) Research Paper (s):

(a) Radiating Dirac source with Cylindrical Symmetry, CRG 27, 1237, 1995

(b) Plasma-maser theory for Magnetized electron-positron Plasma, Phys. Plasmas (PoP) 4, 458, 1997

(c) Solitary Alfven wave in an electron-positron-Ion Plasma, (PoP), 4, 4229, 1998.

(d) Theory of Langmuir wave generation in the presence of Alfven wave turbulence in an electron-positron Plasma, (PoP) 6, 4215, 1999

(e) On the existence of small amplitude double layer in an electron-positron-Ion plasma, (PoP) 7, 808, 2000.

(f) Theory of Langmuir wave generation in the presence of Alfven wave turbulence in an electron-positron Plasma, (PoP) 7, 4878, 2000.

9) Professional Membership:

Name of Organization	Life Member/Annual
Assam Science Society	Life
PANE	Life

12) Other Activity: **Writing a number of articles in News Papers, Magazines and Science talks in AIR.**