



**Name:** Mukulika Ray

**Qualification:** M.A. in Education from IGNOU in 2013

B. Ed. from Calcutta University in 2008

M. Sc. in Chemistry from Calcutta University in 2002

**Designation:** Assistant Professor in Education

**Date of joining:** December 22, 2016

**Specialization:** Educational Technology in M. A. (Education), Analytical Chemistry in M. Sc. (Chemistry)

**Areas of Interest:**

- i. **Education:** Communication and Educational Technology, Instructional Techniques, Systems Approach to Curriculum, Educational Measurement and Evaluation, Statistics in Education, Motivation, Intelligence, Stages and types of Development and their Educational significance, Learning Theories.
- ii. **Chemistry:** Gas Chromatography, High Performance Liquid Chromatography, Solvent Extraction and Ion Exchange Methods, Application of Atomic and Molecular Absorption and Emission Spectroscopy in Quantitative Analysis, Light Scattering Technique including Nephelometry and Raman Spectroscopy, Electro Analytical Techniques, Thermodynamics, Chemical Equilibrium, Mossbauer and Photo Electron Spectroscopy, Quantum Chemistry, Reaction Kinetics.

**Area of Teaching:**

**UG Honours:** Nature of Modern Education, Philosophical basis of Modern Education, Factors of Education, Agencies of Education, Forms of Modern Education, Teaching Methods of Modern Education, Human Resource Development and Education, Value Education, Great Educators, Relation between Education and Psychology, Physical and Motor Development, Factor Affecting Physical and Physical and Motor Development, Cognitive Development, Piaget's theory of Cognitive Development, Moral Development, Theories of Piaget's and Kohlberg, Personality Development, Psychoanalytical theory of Personality.

**UG General:** Meaning and Concept of Education, Function of Education, Factors of Education, Aims of Education, Agencies of Education, Child-Centric Education, Educational Thoughts, Education for Democracy, Introduction to Psychology, Relation between Education and Psychology, Cognitive Development, Piaget's theory of Cognitive Development, Moral Development, Theories of Piaget's and Kohlberg, Personality Development, Psychoanalytical theory of Personality. Educational Measurement and Evaluation, Tools and Techniques of Evaluation, Statistics in Education.

**Teaching Experience Other Than College:**

Served as Assistant Teacher in Chemistry in Kumar Ashutosh Institutions (Main) Boys' from December 5, 2003 to December 21, 2016.

-----