



ISSN : 0084-621  
Vol. : 68-71  
Year : 2016-2019

# RESEARCHES & STUDIES

A Peer Reviewed  
Journal of Education

**Department of Education**  
University of Allahabad

- ✓ A study of the impact of scientific attitude on academic achievement, occupational aspiration and adjustment ...113  
*Dharmendra Kumar Sarraf*
- Effectiveness of concept attainment and concept mapping teaching strategies for teaching Biology to class IX students ...115  
*Deepika Pandey*
- Aggression among undergraduate students in relation to their self-esteem, family environment and academic facilities in institutions. ...117  
*Kiran Noopur Shukla*
- A study of academic motivation and academic problems among minority students studying in Open Universities in general and professional streams ...119  
*Mohammad SaquibTaufique*
- A study of learning styles and process of development of professional skills among students of professional courses of Open Universities ...121  
*Subhash Chandra*
- A study of learning stress, adjustment and mental health as correlates of achievement in Mathematics and Science among VIII grade students ...123  
*Suman Pandey*
- Stress, teaching aptitude and emotional intelligence as predictors of mental health among B.Ed. students ...125  
*Swangi*
- A study of occupational stress and job involvement in relation to professional commitment among teachers serving in aided and self-financed colleges. ...127  
*Vandana Yadav*
- Effectiveness of computer based and paper – pencil tests at intermediate stage ...130  
*Ananya Singh*
- प्राथमिक शिक्षा की गुणवत्ता उन्नयन में सर्वोक्षण प्रजाली की प्रभावशीलता का अध्ययन ...132  
*राजेश कुमार यादव*
- स्नातक स्तर के विद्यार्थियों की गणित में उपलब्धि पर सृजनशीलता, समस्या-समाधान योग्यता, आक्रित योग्यता तथा गणित विश्व में रुचि के प्रभाव का अध्ययन ...135  
*रामधनी सिंह*



# **A Study of the Impact of Scientific Attitude on Academic Achievement, Occupational Aspiration and Adjustment**

**Dharmendra Kumar Sarraf**

---

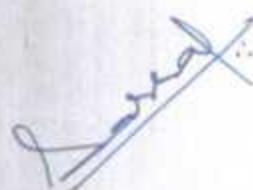
## **Objectives :**

1. To study the relationship between academic achievement and scientific attitude among secondary class students of class XI.
2. To study the relationship between occupational aspiration and scientific attitude among secondary class students of class XI.
3. To study the relationship between adjustment and scientific attitude among secondary class students of class XI.
4. To compare the academic achievement among secondary class students having high, moderate and low scientific attitude of class XI.
5. To compare the occupational aspiration among secondary class students of class XI having high, moderate and low scientific attitude.
6. To compare the adjustment among secondary class students of class XI having high, moderate and low scientific attitude.
7. To study the contribution of scientific attitude in the prediction of academic achievement, occupational aspiration and adjustment among secondary class students of class XI.

**Methodology :** Causal-comparative survey method of descriptive research was used in the present study. The sample for the study consisted of one class XI students of Allahabad district of Uttar Pradesh. The tools used in the study includes - Scientific Attitude Questionnaire by K.S. Misra, Occupational Aspiration Scale by J.S. Grewal, Adjustment Inventory for School Students by A.K. Pradha & R.P. Singh and annual examination marks of class X of Board of High School and Intermediate Uttar Pradesh. Product moment coefficient of correlation, ANOVA and linear regression were used for the analysis of the data.

**Major Findings :**

1. Academic achievement, occupational aspiration and adjustment are positively related with scientific attitude among secondary students of class XI.
2. Secondary students of class XI with the high, moderate and low level of scientific attitude do not differ from one another on academic achievement.
3. Secondary students of class XI with the high, moderate and low level of scientific attitude do not differ from one another on occupational aspiration.
4. Secondary students of class XI with the high, moderate and low level of scientific attitude do not differ from one another on adjustment.
5. Scientific attitude can explain 6.81% variance of academic achievement among secondary students of class XI.
6. Scientific attitude can explain 2.01% variance of occupational aspiration among secondary students of class XI.
7. Scientific attitude can explain 3.24% variance of adjustment among secondary students of class XI.

A handwritten signature in blue ink, consisting of a stylized 'D' followed by 'arsh', with a large 'X' drawn through it.