

**Univariate And Multivariate Analysis Of The Algerian Dinar
Exchange Rates Volatility, By Means Of Univariate And
Multivariate GARCH Type Modelling, White Gaussian And Non
Gaussian Consideration**

Malik Kamel Bensafta

One presents in this article, the study and the modelling of the Algerian Dinar exchange rates volatility, by the means of the Univariate GARCH type models, symmetrical and asymmetrical ones and the Multivariate MGARCH type models, such as, the dVech model, the Constant Conditional Correlation CCC-GARCH, the Factor-GARCH model, the BEKK model, General Dynamic Covariance model GDC-GARCH, the Dynamic Conditional Correlation DCC-GARCH.

The study also treats profit carried out, by the use of the t-Student and GED Distribution, in the Univariate case, and Symmetrical and Asymmetrical t-Student, in the Multivariate case. The study, relates to the evolution of the Algerian Dinar exchange rate, against the European currency, the American dollar, the British Pounds and the Swiss franc, over the period of November 2000 at January 2003.

Key words:

GARCH, Multivariate GARCH, Dynamic Conditional Correlation, Volatility Modelling, t-Student and Skew t-Student Univariate, Multivariate Distribution and Algerian Exchange rate.