



Aaditya Prasad Gupta &lt;aadityaprasad.gupta@gmail.com&gt;

## Dear Gupta A.P.: Join as the Editorial Member of American Journal of Traffic and Transportation Engineering

1 message

Rose Elliott <elliott.vb@intjbse.net>  
To: aadityaprasad.gupta@gmail.com

Sat, Feb 18, 2023 at 4:50 AM

If you no longer want to receive such kind of emails from us, you can [click here](#) to unsubscribe.

### American Journal of Traffic and Transportation Engineering (AJTTE)

e-ISSN: 2578-8604

Gold Open-access

Peer Review

#### Join as One of the Editorial Board Members/Reviewers

*AJTTE* is looking for experienced and active scientists and researchers to join as Editorial Board Members (and Reviewers).

The following link will guide you to the page to join us as one member of the Editorial Board/Reviewer Team:

<http://www.ajotat.org/j55/coo1x>

#### Start Your Submission & Enhance the Impact of Your Study

We cordially invite you to submit new and unpublished articles to *AJTTE*. You are welcome to submit your article by clicking the following website:

<http://www.ajotat.org/cgp6/coo1x>

The level of the Editorial/Reviewer Team largely reflects the quality of the Journal. Listed below are several of the Editorial Board Members and Reviewers of *AJTTE*.

##### Editorial Board Members of *AJTTE*

Maisa Tobias

Department of Civil Engineering, Institute of Technology, Belém, Brazil

Zviad Shanava

Defense and Security Training-Analysis Center, Defence Institutional Building, Ministry of Defense of Georgia, Tbilisi, Georgia

Berthold Best

Faculty of Civil Engineering, Nuremberg Institute of Technology, Nuremberg, Germany

Bouali Soufyane

Department of Economics, Commerce and Management Sciences, Ferhat Abbas Sétif University 1, Sétif, Algeria

**Reviewers of *AJTTE***

[Xiaobing Li](#) Alabama Transportation Institute, University of Alabama, Tuscaloosa, United States

[Anna Polanecka](#) Department of Air Transportation, Czech Technical University in Prague, Prague, Czech Republic

[Annemieke Meghoe](#) Faculty of Engineering Technology, University of Twente, Enschede, Netherlands

[SeyedVahid Vakili](#) Department of Maritime Energy Management, World Maritime University, Malmö, Sweden

Here enclosed the abstract of your research which has given us a deep impression:

**Your title:** Selection Of Models For The Regression Problems In Biology Using Chi-Square Test

**Your abstract:** Biological systems, at all scales of organization from nucleic acids to ecosystems, are inherently complex and variable. Therefore mathematical models have become an essential tool in systems biology, linking the behavior of a system to the interaction between its components. Parameters in empirical mathematical models for biology must be determined using experimental data, a process called regression because the experimental data are noisy and incomplete. The term "regression" dates back to Galton's studies in the 1890s. Considering all this, biologists, therefore, use statistical analysis to detect signals from the system noise. Statistical analysis is at the core of most modern biology and many biological hypotheses, even deceptively. Regression analysis is used to demonstrate association among the variables believed to be biologically related and fit the model to give the best model. There are two types of regression, linear and nonlinear regression to determine the best fit of the model. In this manuscript, we perform a least squares error fit to different models and select the best fit model using the  $\chi^2$ -test, and determine the p-value of the selected model to data that was collected when various doses of a drug were injected into three animals, and the change in blood pressure for each animal was recorded.