Food Informatics and its Challenges and Opportunities- A Review

P.K. Paul [1], P.S. Aithal[2], A. Bhuimali [3]

[1]DCIS, Raiganj University, West Bengal, India, prantoshkpaul@gmail.com
[2]Vice Chancellor, Srinivas University, India
[3]Vice Chancellor, Raiganj University, Raiganj, West Bengal
India

Corresponding Author: P.K. Paul, Email: prantoshkpaul@gmail.com

Abstract—

Informatics is an important domain that deals with several kinds of information activities by the manual knowledge organization tools as well as computational tools. Informatics deals with many foci and it also has many domain dependencies. Informatics may also concentrate on other domains and in this way new domains may be created. The integration of Food Science with Informatics provides Food and Nutritional Information solution. Food Informatics may be treated as a practicing field for Organization of Information, Infrastructure building which includes designing and development of Information Systems, Enterprise Resource Planning, Decision Support Systems, Documentation solution with the help of manual tools and computerization systems for the Food and Nutritional facets. Till Food Informatics as a subject not received a wide scale of popularity but yes it has healthy possibilities to become an important interdisciplinary subject. This conceptual paper provides an overview of the possible role, challenges, and issues of the domain.