

**Mohammad Nashir Uddin**

**Senior Scientific Officer**



## **FIELD OF RESEARCH**

Chemometrics, Experimental Design, Mathematical modeling, Statistical analysis

## **CONTACT**

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## **CURRENT PROJECTS**

1. Development of Method for Rapid Screening of Chemical Component Variations of Dhaincha Using Near-Infrared Spectroscopy and Chemometrics
2. Determination of lignin and  $\alpha$ -cellulose content in jute by Fourier Transformed Infrared (FTIR) spectroscopy and chemometrics

## **EDUCATION**

- PhD (Chemometrics), Jahangirnagar University, 2016
- M.Sc. (Statistics), Dhaka University, 1996
- B.Sc. (Statistics), Dhaka University, 1995
- H.S.C, Dhaka Board, 1992
- S.S.C, Dhaka Board, 1990

## **PUBLICATIONS**

1. M. Sarwar Jahan, **M. Nashir Uddin**, A.F.M. Akhtaruzzaman. An approach for the use of agricultural by-products through a biorefinery in Bangladesh. *The Forestry Chronicle*, 92(4): 447-452, **2016**.
2. S. S. Israt, **M. N. Uddin**, R. A. Jahan, and M. M. Karim. Simultaneous determination of furosemide and spironolactone in pharmaceutical formulations by spectrophotometric method using principal component regression. *Bangladesh J. Sci. Ind. Res.* 51(4), 297-306, **2016**.

3. **M. N. Uddin**, R. Ara, M. Motalab, A. N. M Fakhruddin and B. K. Saha. Simple method for classification of mango varieties on the basis of their Physicochemical properties by chemometric techniques. *Bangladesh J. Sci. Ind. Res.* 51(4), 253-260, **2016**
4. M. Sarwar Jahana, **M. Nasir Uddin**, Asif Rahman, M. Mostafizur Rahman and M. Nurul Amin. Soda pulping of umbrella palm grass (*Cyperus flabettiformis*)” *Journal of Bioresources and Bioproducts.* 1(2): 85-91, **2016**
5. M Begum, **MN Uddin**, MM Rahman, N Sultana. The effect of three different feed types on growth performance of *Ceriodaphnia reticulata* and *Bosmina* sp. culture as a live fish feed. *International Journal of Fisheries and Aquatic Studies*, 3(1): 400-405, **2015**
6. M. Sarkar, A.K.M.L. Rahman, J.B. Islam, K.S Ahamde, **M.N Uddin**. Study of hydrochemistry and pollution status of the Buriganga river in Bangladesh. *Bangladesh J. Sci. Ind. Res.* 50(2), 123-134, **2015**
7. Mohammad Quamaruzzaman, Mehedi Hasan Khan, **Mohammad Nashir Uddin**. Knowledge, Risk Behaviour and Vulnerability of HIV/ AIDS among Female Tribal Workers in a Selected area of Bangladesh. *Central Asian Journal of Medical Science and Education (CAJMSE)*, 1(1): 19-24, **2015**
8. Ara, R., Motalab, M., **Uddin, M.N.**, Fakhruddin, A.N.M, Saha, B.K.. Nutritional evaluation of different mango varieties available in Bangladesh. *International Food Research Journal*, 21(6): 2169-2174, **2014**
9. Monzur Morshed Ahmed, Md. Fakruddin, Md. Mamunur Rashid, Md. Mohaddis Hossain, **Mohammad Nashir Uddin**, Md. Mozammel Hoque and Md Mahfujul Haque (2014). Semi-Pilot Study of the Production of Biomass and  $\beta$ -D-Fructofuranosidase by *Saccharomyces cerevisiae* IFSTBY1111 in a Fed-Batch Fermenter. *Industrial Biotechnology (Journal of bio-based innovation to drive the global bio-economy)* 10(1):47-52, **2014**
10. M. Begum, P. Noor, K.N. Ahmed, L.C. Mohanta, N. Sultana, M.R. Hasan and **M.N. Uddin**. Assessment of four different media for the mass culture of *Ceriodaphnia Reticulata* (Jurine) as a live fish feed. *J.Asiat.Soc. Bangladesh,Sci.* 39(2): 129-138, **2013**
11. **Mohamad Nashir Uddin** and Mehedi Hasan Khan. Women’s Age at Marriage and its Socio-economic Context in a Rural Area of Bangladesh. *Perspectives in Social Science.* Vol-10, October **2012**
12. Rahaman M.M, Banu L.B, **Uddin M.N** and Begum M.N. Biomass Production of *Jatropha curcas* L., a comparison. *Bangladesh J. Sci. Ind. Res.* 46(4),533-538, **2011**
13. Begum M.N, Rahaman M.M and **Uddin M.N**. Effect of Potassium fertilizer on Development of Bacterial Blight of Rice. *Bangladesh J. Sci. Ind. Res.* 46(1),69-76, **2011**

14. Parveen Noor & **Mohammad Nashir Uddin**. Morphological changes of different castes of the subterranean termites (*Odontotermes proformosames* Ahmad) in fungus combs of termitophiles. *The Journal of Plant Protection Sciences*. 2(2), **2010**
15. "Syeda Sabrina Rahman Liza, S.M. Badier Rahman, M.Mahbubar Rahman, U. Fatema Shahjadee and **M. Nashir Uddin**. Enzyme activity of chickpea (*Cicer arietinum* L.) during germination. *Bangladesh J. Life Science* 22(1):43-47, **2010**
16. "Bashar M.A, Hossain M.A, Rahaman M.M, **Uddin M.N** and Begum M.N.. Biological Control of Sheath blight disease of rice by using antagonistic bacteria. *Bangladesh J. Sci. Ind. Res.* 45(3),225-232, **2010**
17. Rahaman M.M, Banu L.B, **Uddin M.N** and Begum M.N. A study to establish a protocol for cultivation of *Jatropha curcas* Linn. *Bangladesh J. Sci. Ind. Res.* 44(4):457-460, **2009**.
18. "**Mohammad Nashir Uddin** and Razina Ferdous (2001). In equality measurements: An application in the age-specific distributions of income and land ownership for Bangladesh. *Dhaka Univ. J. Sci.*, 49(2):183-190, **2001**.
19. **Mohammad Nashir Uddin** and Razina Ferdous (2001). Non-parametric Density Estimation. *Dhaka Univ. J. Sci.*, 49(2):175-181, **2001**.

### **Academic Publication**

- ❖ Co-author of the book *Statistical Techniques for Social Sciences* for honors and masters level students in Bangla.