



**Professor Dr. Md. Shams-Ud-Din**  
**Vice-Chancellor**  
**Patuakhali Science and Technology University**  
**Patuakhali-8602, Bangladesh**

#### **I. PERSONAL DATA**

<b>Name</b>	<b>:</b>	<b>Dr. Md. Shams-Ud-Din</b>
<b>Father's name</b>	<b>:</b>	<b>Late Md. Jainul Abedin</b>
<b>Mother's Name</b>	<b>:</b>	<b>Late Mst. Sharifunnesa</b>
<b>Date of birth</b>	<b>:</b>	<b>27 November 1948</b>
<b>Marital status</b>	<b>:</b>	Married (Children : One son & one daughter)
<b>Nationality</b>	<b>:</b>	Bangladeshi by birth
<b>Current Position and Mailing Address</b>	<b>:</b>	<b>Vice-Chancellor</b> Patuakhali Science and Technology University, Patuakhali-8602. Bangladesh Phone: 04427-56011 (off.), 04427-56010 (Res.) Cell: 01714-075977, Fax: 04427-56009 E-mail: <a href="mailto:drshams.bau@gmail.com">drshams.bau@gmail.com</a> ; <a href="mailto:vc@pstu.ac.bd">vc@pstu.ac.bd</a> Website: <a href="http://www.pstu.ac.bd">www.pstu.ac.bd</a>
<b>Permanent address</b>	<b>:</b>	Vill. Senganty; P.O. Goyhatta (PO Code 6762), Upazila: Ullapara; District: Sirajganj; Bangladesh.

## II. ACADEMIC QUALIFICATIONS

Degrees held	Class/Grade & Position	Year of Completion	Institutions attended
S.S.C.	First Division	1964	Salonga Islamia High School
B.Sc. Agri. Engg. Pre-professional Course	Obtained	1966	Bangladesh Agricultural University
B.Sc. Agri. Engg.	Second Class First	1972	Bangladesh Agricultural University
M. Sc.(Food Technology)	First Class	1975	FAO International Food Technology Training Centre, CFTRI., Mysore, University of Mysore (India)
Master of Applied Science (M.App.Sc.) in Food Technology	High Distinction in Thesis	1985	University of New South Wales (Australia)
Ph.D. (Food Science & Technology)	Obtained	1990	University of New South Wales (Australia)

## III. AWARDS RECEIVED

- Indian Scientific and Cultural Awards (1973-1975).
- USSR Fellowship (1983)
- Commonwealth Scholarship and Fellowship Award (Australia: 1984-1989).
- The German Academic Exchange Service (DAAD) Fellowship (1996).

## IV. PROFESSIONAL/SERVICE EXPERIENCE

Designation	Duration	Organization
Assistant Professor	From 31 July 1975 to 27 January 1987	Dept. of Food Technology & Rural Industries, Bangladesh Agricultural University, Mymensingh, Bangladesh.
Associate Professor	From 28 January 1987 to 10 November 1992	Dept. of Food Technology & Rural Industries, Bangladesh Agricultural University, Mymensingh, Bangladesh.
Professor ( <i>Selection Grade</i> )	From 11 November 1992 to 26 December 2012	Dept. of Food Technology & Rural Industries, Bangladesh Agricultural University, Mymensingh, Bangladesh.
<b>Vice-Chancellor</b>	<b>From 27 December 2012 to date</b>	<b>Patuakhali Science and Technology University, Patuakhali-8602. Bangladesh</b>

## **V. (a) OTHER IMPORTANT POSITIONS HELD IN BANGLADESH AGRICULTURAL UNIVERSITY (BAU)**

1. Served as the **Director, Planning and Development**, Bangladesh Agricultural University (BAU), Mymensingh since 01 October 2009 to 26 December 2012.
2. Served as the **Dean**, Faculty of Agricultural Engineering & Technology, BAU, Mymensingh since 15 May 2007 to 14 May 2009.
3. Served as the **Member of the Syndicate**, BAU, Mymensingh since 27 June 2007 to 14 May 2009.
4. Served as the **Convener, Council of Deans**, BAU, Mymensingh since 09 August 2008 to 14 May 2009.
5. Served as **Head of the Department** of Food Technology & Rural Industries, BAU, Mymensingh for 3 terms: From 4 August 1990 to 3 August 1992; from 4 August 1996 to 3 August 1998 and from 15 February 2004 to 14 February 2006.
6. Served as a **Member of the Planning and Development Committee (P&DC)**, BAU, Mymensingh during the period from 20 July 2000 to 19 July 2002.
7. Serving /served as the **Member of the Selection Committee** for appointment of Lecturers, Assistant Professors, Associate Professors and Professors of different Departments of the BAU, Mymensingh for different durations.
8. Served as the **Director of Transport**, BAU, Mymensingh during the period from 4 March 1999 to 3 March 2001.
9. Serving as the **Chairman of the BAU Central Tender Evaluation Committee** since 24 October 2011.
10. Serving as the **Chairman of the University Academic Innovation Fund Secretariat of BAU** for the World Bank Financed Higher Education Quality Enhancement Projects since 14 December 2010..
11. Serving/served as the **Chairman/Convener of number of other important committees** as formed by the Vice-Chancellor, BAU Syndicate, Academic Council or other Statutory Bodies.

## **(b). IMPORTANT POSITIONS HELD IN OTHER UNIVERSITIES/ ORGANIZATIONS**

1. Served as the **Member of the Regent Board of Patuakhali Science & Technology University** since 06 June 2010 to 26 December 2012.
2. Serving as the **Member of the Syndicate of Sylhet Agricultural University, Sylhet** since 11 December 2011.
3. Serving as the **Member of the Evaluation Committee of Agricultural Research of the University Grants Commission (UGC) of Bangladesh** since 18 December 2011.
4. Serving as the **Member of the Finance Committee of Jatiya Kabi Kazi Nazrul Islam University** since 10 July 2010.
5. Serving as the **Member of the Selection Committee for appointment of Professors of different Departments of Khulna University** since 06 April 2009.

6. Serving as the **Member of the Selection Committee for appointment of Lecturer/Assistant Professors of Hajee Md. Danesh Science & Technology, and Chittagong Veterinary and Animal Sciences University.**
7. Serving as the **Member of the Divisional Committee of Agriculture and Food of the Bangladesh Standards and Testing Institution (BSTI)** since 01 January 2010.
8. Serving as the **Member of the Selection Committee for appointment of Lecturers and Assistant Professors of Noakhali University of Science & Technology for two years from 23 November 2011.**
9. Served as **Visiting Professor at the University of Hannover, Germany** from 01 January to 31 March 1996..

## **VI. EXPERIENCE AS PROJECT DIRECTOR/ CONSULTANT/TEAM LEADER OF SPONSORED PROJECTS**

1. Project Director of the project “Processing of Indigenous Fruits and Vegetables to Improve Livelihood of Rural Poor in Madhupur Region” funded by ‘Krishi Gobeshona Foundation’ for a period of two years from 13 May 2009 to 12 May 2011.
2. National Crop Post-harvest and Agro-processing Consultant of the FAO (Dhaka Office, Bangladesh) Project “Sustainable Livelihood Development of Urban Poor through Improved Management of Urban and Peri-urban Agricultural Micro-enterprises” (BGD/98/006/01/99) (In two missions :From 18 December 2006 to 28 January 2007; and from 04 April 2007 to 01 May 2007).
3. FAO Consultant (FAO Head Quarter, Rome) of the project “Confectionery processing in Bangladesh” during the period of 18 December 2006 to 17 March 2007. (Division – AGST; Index 0798660; Order No. 195142).
4. Project Director of the project “Processing and utilization of legume husks for high-fibre food formulations”. Sponsored by Bangladesh Agricultural University (15.5.2007 to 14.5.2009).
5. Project Director of the project “Processing and preservation of pastes from some selected spices”. Sponsored by Bangladesh Agricultural University (1.9.2004 to 31.8.2006).
6. Team Leader of the project “Processing of cassava through small scale enterprise to improve livelihood of rural poor in Madhupur Upazilla”. Sponsored by Research, Extension in Farm Power Issues (REFPI) Project (A DFID financed project of the UK) (January 2002 – May 2003).
7. Project Director of the project “Production of wheat bran protein concentrate and its food applications”. Sponsored by the Ministry of Science and Information & Communication Technology, Govt. of Bangladesh (2001-2002).
8. Project Director of the Project “Production of protein concentrate from rice bran and its food applications”. Sponsored by Bangladesh Agricultural University (October 2000 – September 2003).
9. Project Director of the Project “Processing and preservation of cassava”. Sponsored by Bangladesh Agricultural University (1998-2000).
10. Project Director of the Project “Upgrading and utilization of rice bran for high-fibre food formations”. Sponsored by Bangladesh Agricultural University (1995-1997).
11. Project Director of the Project “Upgrading and utilization of wheat bran for high-fibre food formulations”. Sponsored by the Ministry of Science and Technology, Govt. of Bangladesh (1994-1995).

## VII. RECORD OF OTHER SCIENTIFIC ACTIVITIES

1. Attended and successfully completed training course on 'Fruit and Vegetables Technology' held at the Central Food Technological Research Institute (CFTRI), Mysore, India, from 18 June to 10 August 1973.
2. Attended and successfully completed short course on 'Technology Assessment & Technology Diffusion' held at the Institute of Appropriate Technology, Bangladesh University of Engineering & Technology, Dhaka, from 03 March to 11 March 1990.
3. Attended and successfully completed short course on 'Research Planning & Evaluation' held at the Bangladesh Agricultural Research Institute, Joydebpur, Gazipur sponsored by Bangladesh Agricultural Research Council, from 21 May to 05 June 1991.
4. Participated in the International conference of Food Science & Technology FOOD ANZA sponsored by the Australian Institute of Food Science & Technology & New Zealand from 20 May to 24 May 1985.
5. Participated in the 35<sup>th</sup> Australian Cereal Chemistry Conference, sponsored by the Royal Australian Chemical Society, held at Sydney, Australia from 30 September to 03 October 1985 and jointly presented a paper entitled "The effects of aqueous extraction on the performance of wheat bran in bread."
6. Participated in the 36<sup>th</sup> Australian Cereal Chemistry conference, sponsored by the Royal Australian Chemical Society, held at Adelaide, Australia from 19 October to 23 October 1986.
7. Participated in the National Workshop on "Prevention of Post harvest Losses in Food Grains," sponsored by the Centre on Integrated Rural Development in Asia (CIRDAP) in collaboration with Bangladesh Academy for Rural Development, held at Bangladesh Agricultural Research Institute, Joydebpur, Gazipur, on 24 and 25 July 1991.
8. Served as a member of Sectional Committee Member (Section: Cereals, Pulses and Their Products) of the Bangladesh Standards and Testing Institution (BSTI) from 01 January 1998 to 30 December 2000.
9. Served as Visiting Academic in Germany for a period of three months from 01 January to 31 March 1996 under the sponsorship of the German Academic Exchange Service (DAAD) at the University of Hannover, Germany.
10. Participated in the National Workshop on "Food-based strategies for improving nutrition in Bangladesh" sponsored by USAID, DANIDA and IFPRI, organized by the Bangladesh Agricultural Research Council, Dhaka, held on 26-27 April 1998.
11. Serving as the Editor of the Bangladesh Journal of Agricultural Engineering since 28 November 1999.
12. Serving as the Associate Editor of the Editorial Board of the Bangladesh Journal of Agricultural Research, BARI, Joydebpur, Gazipur since 30 October 2002.
13. Visited the Central Tuber Crops Research Institute (CTCRI), Trivandrum, Kerala, India during 9 September 2002 to 16 September 2002 on a study visit programme on cassava processing and visit to small cassava processing units under the sponsorship of REFPI project of DFID (UK).
14. Attended and successfully completed short course on Participatory Technology Development with a System and Sustainable Livelihoods Perspective funded by REFPI Project of DFID (UK) conducted

- between 27 October–06 November 2002, at Bangladesh Agricultural University (BAU) Campus, Mymensingh, Bangladesh. Organized by FSES Farming Systems & Environmental Studies, BAU, Mymensingh.
15. Visited University Putra Malaysia (UPM) and participated in a training programme on Teaching Methodology held on during 21 September 2003 to 04 October 2003 with financial assistance from the DFID, UK.
  16. Participated in the International Workshop on Agro-processing Techniques of Fruits and Vegetables for Income Generation, held on 28-30 March 2005, Dhaka, Bangladesh and presented a paper on “Status and prospects of small scale fruits and vegetables processing industries in Bangladesh” Sponsored by the Islamic Development Bank, Jeddah, Saudi Arabia; Organized by Bangladesh Agricultural Research Institute, Gazipur 1701, Bangladesh.
  17. Participated in the National Workshop on “Food Security and Hunger in Bangladesh” held on 27 November 2005 at IDB Bhaban, Rokeya Sarani, Dhaka. Organized by the RDRS, Bangladesh and sponsored by Bread for the World (BFW), Germany.
  18. Participated in the International Joint Seminar on ‘The Agricultural Research for the Development of South East Asia’, held on 9-10 November 2006, at Chungnam National University (CNU), South Korea, and presented a country paper on “Agro-processing Industrialization in Bangladesh”. Sponsored and organized by the Institute of Agricultural Science, CNU, Daejeon, South Korea.
  19. Participated in the Residential Workshop on “Sector Development Strategy for Agro-Food Processing Sector” during 31 July 2009 to 01 August 2009 at Uni Resort Hotel, Cox’s Bazar. Sponsored and organized by the ILO.
  20. Participated in the International Workshop on “Good practice for the small-scale production of local, ethnic and traditional confectionery products in the Asia Pacific Region” held on 9 -11 June 2010, at Maruay Garden Hotel, Bangkok, Thailand and presented a country paper on “An Overview of Traditional Confectionery Processing Industries: The Bangladesh Experience” sponsored and organized by the FAO, Rome.
  21. Participated in a Policy Dialogue on “Building Bridges between Universities and Communities”. Presented a paper on “Sustainable Livelihood Development of Urban Poor through Improved Management of Urban and Peri-urban Agricultural Micro-enterprises: An Experience from a sponsored Project”. Jointly organized by University Grants Commission of Bangladesh (UGC) and British Council, held on 07- 09 December 2011, at Ruposhi Bangla Hotel, Dhaka.
  - 22.. Participated in the Ninth Annual Scientific Conference on ‘Food Safety: Issues and Challenges’, held on 7- 8 March 2012, at The Hotel Agrabad, Chittagong, Bangladesh, and presented the Keynote Paper on “ Food Adulteration and Public Health Issues in Bangladesh”. Organized by Chittagong Veterinary and Animal Sciences University, Chittagong, Bangladesh.
  23. Participated in the 3<sup>rd</sup> D-8 Ministerial Meeting on Industry & 7<sup>th</sup> Meeting of the Working Group of D-8 on Industrial Cooperation held on 08 -10 October 2012 at the Rupashi Bangla Hotel, Dhaka, and chaired the session on the D-8 Task Force Meeting on Food Industry

## VIII. LIST OF PUBLICATIONS

1. Shams-Ud-Din, Md. and Bhattacharaya, K.R. 1978. On the meaning of the degree of milling of rice. *J. Fd. Technol.* 13 (2): 99-105.
2. Wootton, M. and Shams-Ud-Din, Md. 1986. The effects of aqueous extraction on the performance of wheat bran in bread. *J. Sci. Food Agric.* 37: 387-390.
3. Shams-Ud-Din, Md. and Lindsay, D. 1988. Comparative effectiveness of three commercial fungicides in controlling mould wastage in Valencia oranges. *Bangladesh J. Horticulture*, 16(2): 1-6.
4. Shams-Ud-Din, Md. Lindsay, D. 1991. Processing and storage effects on ascorbic acid content and organoleptic properties of Valencia orange juice. *Bangladesh J. Agril. Sci.* 18(1): 23-27.

5. Shams-Ud-Din, Md and Wootton, M. 1991. The effects of aqueous extraction on mineral composition of wheat bran. *Bangladesh. J. Agril. Sci.* 18(2): 229-236.
6. Shams-Ud-Din, Md and Wootton, M. 1990. The effects of aqueous extraction on amino acid composition of wheat bran *Bangladesh. J. Agril. Engg.* 4(1&2): 55-64.
7. Shams-Ud-Din, Md and Wootton, M. 1991. The effects of aqueous extraction on the free fatty acid of wheat bran. *Bangladesh. J. Animal. Sci.* 20(1&2): 55-62.
8. Shams-Ud-Din, Md and Wootton, M. 1991. The effects of aqueous extraction on the lipid composition of wheat bran. *Progressive Agriculture.* 2(1): 53-59.
9. Shams-Ud-Din, Md and Wootton, M. 1991. The effects of aqueous extraction on the free fatty composition of wheat bran. *Journal of the Institute of Engineers, Bangladesh,* 19 (3&4): 1-8.
10. Begum, J.A., Shams-Ud-Din, Md. and Islam, N. 1983. A study on shelf-life and consumer's acceptability of mixed squash prepared from pineapple juice and mango pulp. *Bangladesh J. Sci. Ind. Res.* XVIII (1-4).
11. Begum, J.A., Shams-Ud-Din, Md. and Hoque, M.S. 1980. Design and construction of a simple had juice extractor. *Bangladesh J.Sci. Ind. Res.* XV(1-4): 48-52.
12. Rahman, M.M. and Shams-Ud-Din, Md. 1989. Studies on the protein solubility characteristic of defatted sunflower seed meal. *Bangladesh J. Agril. Sci.* 16(1):37-40.
13. Begum, J.A., Shams-Ud-Din, Md. and Hoque, M.S. 1986. A study on the sun-drying and dehydration of some winter vegetables. *Bangladesh J. Agril. Sci.* 13 (2): 117-121.
14. Nurul Islam, Begum, J.A. and Shams-Ud-Din, Md. 1990. Studies on the production, consumer's acceptability and shelf-life of a carbonated beverage based on mango pulp. *Bangladesh J. Agril. Sci.* 17(2): 169-172.
15. Shams-Ud-Din, Md. and Bhattacharya, K.R. 1978. Studies on milling equipment based on surface fat content of rice in comparing the degree of milling. *Bangladesh J. Agril. Sci.* 5(2): 223-227.
16. Shams-Ud-Din, Md. and Bhattacharya, K.R. 1979. Studies on metal and energy millers based on total fat content of rice in determining the degree of milling. *Bangladesh J. Sci. Ind. Res.* XIV (1-2): 101-104.
17. Begum, J. A., Shams-Ud-Din, Md., Islam, M.S. and Helal Uddin, A.H.M. 1975-96. A feasibility study on fermented milk-wheat flour combination. *Bangladesh J. Ani. Sci.* 9-10(1&2): 55-58.
18. Shams-Ud-Din, Md. and Bhattacharya, K.R. 1977. Difference in the pattern of bran removal from the rice grain by different milling equipments. *Bangladesh J. Agric.* 2(1): 204-206.
19. Shams-Ud-Din, Md. 1992. Growth and development of vegetable processing industries in Bangladesh. *Proceedings of a national review and planning workshop on vegetable production and marketing; Published by the Asian Vegetable Research and Development Centre (AVRDC), Taiwan.* Publication No.92-379:286-291.
20. Begum, J.A., Shams-Ud-Din, Md. and Quadir, S.A. 1994. Supplementary infant food from locally available raw materials, *Bangladesh J. of Training and Development,* 7(2): 10-13.
21. Shams-Ud-Din, Md. and Wootton, M. 1994. The effects of size fractionation and variety on the yield of aqueous wheat bran extract and extracted bran and their composition. *Bangladesh J. Agril. Sci.* 21 (1): 93-101.
22. Shams-Ud-Din, Md. and Wootton, M. 1994. Farinograph mixing properties of aqueous extracted wheat bran components, *Journal of the Institute of Engineers, Bangladesh,* 22(3-4): 6-11.
23. Shams-Ud-Din, Md. 1995. Postharvest Handling, processing and preservation of wheat in Bangladesh. *Proceedings of the National Seminar on "Postharvest processing and preservation of agricultural products: Its present status and future strategy in Bangladesh," held at the Bangladesh Agricultural Research Council (BARC), Farm Gate, Dhaka on 26-27 June 1995.*
24. Shams-Ud-Din, Md. and Palma, A. 1994. The effects of aqueous extraction of wheat bran on the quality of cakes. Abstract published (Section VI, 10:6) and the paper presented at the 18<sup>th</sup> Bangladesh Science Conference, held at the Bangladesh Agricultural University, Mymensingh, 22-24 June 1994.

25. Shams-Ud-Din, Md. and Wootton, M. 2001. The effects of heat treatment of aqueous wheat bran extract and extracted bran on the baking quality of wheat flour. Being considered for publication in Bangladesh J. of Scientific and Industrial Research.
26. Shams-Ud-Din, Md. and Islam, M.A. 1995. Processing and preservation of tomatoes. Bangladesh J. Agril. Sci. 23 (2): 153-157.
27. Shams-Ud-Din, Md. and Shired, S.M. 1999. Studies on the rehydration properties of dried cabbage. Bangladesh J. of Agril. Sci. 26(2): 213-221.
28. Shams-Ud-Din, Md. 1997. Importance and role of processing and preservation of food crops in Bangladesh. Proceedings of the National Seminar on "The role of Agricultural Engineers in National Development," on the occasion of the Alumni Silver Jubilee of the Faculty of Agricultural Engineering and Technology, Bangladesh Agricultural University, Mymensingh, held on 15-16 May 1997, sponsored by the Bangladesh Agricultural Research Council. pp 22-32.
29. Shams-Ud-Din, Md., Ali, H. and Hassan, M.Z. 1997. Studies on the rehydration properties of dried green beans (*Lablab purpureus*). Proceedings of the International Conference on Agricultural Engineering and Technology, Vol. 2, pp 391-401 held on 15-18 December 1977 at Dhaka, Bangladesh; published by Bangladesh Society of Agricultural Engineers and Bangladesh Agricultural Research Council.
30. Shams-Ud-Din, M., Alim, M.A. and Al-Kafi, A. 1999. Effects of aqueous extraction of rice bran on its performance as a bread ingredient. Bangladesh J. of Agril. Sci. 26 (1): 73-79.
31. Shams-Ud-Din, Md., Alim, M.A. and Al-Kafi, A. 1996. Upgrading and utilization of rice bran for high-fibre food formulation: Effects of various level of extracted bran on the quality of bread. Journal of the Institution of Engineers, Bangladesh. 24 (1)/ AE.
32. Shams-Ud-Din, Md., Saalfeld, U. and Freund, W. 1998. Influence of aqueous extracted wheat bran on the quality of wheat bread. Journal of Cereal flours and breads (In German: "Getreide Mehl und Brot") 52(4): 227-232.
33. Shams-Ud-Din, Md. and Shiraji, S.M. 2000. Studies on the rehydration properties of dried bitter gourd. Bangladesh J. of Agril. Sci. 27 (2): 257-263.
34. Alim, M.A. and Shams-Ud-Din, Md. 1999. Using aqueous extracted rice bran as a supplement to formulation of cracker biscuits. Bangladesh J. Agril. Engg. 10(1&2): 27-37.
35. Alim, M.A. and Shams-Ud-Din, Md. 2001. Performance of aqueous extracted rice bran on cracker biscuit functionalities. Bangladesh J. Agril. Engg. 12 (1&2): 29-39.
36. Shams-Ud-Din, Md. and Alim, M.A. 2001. The effects of cassava flour on the baking properties of sweet biscuits. Bangladesh J. Agril. Engg. 12 (1&2): 69-80.
37. Shams-Ud-Din, Md., Shiraji, S.M. and Hye, M.A. 2001. Investigation on the rehydration properties of dried yardlong beans. Bangladesh J. Agril. Sci. 28 (1): 45-52.
38. Shams-Ud-Din, Md., Ahmed, F. and Kundu, P.C. 2000. Studies on the rehydration properties of dried cauliflower. Bangladesh J. Agril. Engg. 11(1&2): 1-13.
39. Haque, M.A., Shams-Ud-Din, Md. and Haque, M.A. 2002. The effects of aqueous extracted wheat bran on the baking quality of biscuits. International J. Food Sci. & Technol. 37: 453-462.
42. Alim, M.A. and Shams-Ud-Din, Md. 2000. Properties of sweet biscuits incorporating aqueous extracted rice bran. Progress. Agric. 11(1&2): 181-186.
43. Shams-Ud-Din, Md. and Alim, M.A. 2003. Baking properties of cracker biscuits incorporating cassava flour. Bangladesh J. Agril. Engg. 14(1&2): 87-97.
44. Shams-Ud-Din, Md. 2003. Baking properties of sweet biscuits incorporating wheat bran protein concentrate. Bangladesh J. Agril. Engg. 14(1&2): 63-74.
45. Shams-Ud-Din, Md., M. Islam and A. Khatun 2004. Baking properties of breads and plain cakes incorporating wheat bran protein concentrate. Bangladesh J. Agril. Sci. 31(1): 139-138.
46. Shams-Ud-Din, Md. 2004. Baking properties of breads and cakes incorporating rice bran protein concentrate. Bangladesh J. Agril. Engg. 15(1&2): 69-79.
47. Shams-Ud-Din, Md. and Talukder, R.K. 2004. Processing of cassava for improving livelihood of rural communities. Bangladesh J. Political Economy. 20 (1): 107-119.



48. Begum. R., M. N. Islam and M. Shams-Ud-Din. 2004. Effect of potato starch as binding material in beef burger. *Bangladesh J. Agril. Engg.* 15(1&2): 1-10.
49. Islam, M.R. and Shams-Ud-Din. Md. 2005. Studies on the effects of acetic acid and propionic acid on the baking and keeping quality of breads. *Bangladesh J. Agril. Engg.* 16(1&2):57-66.
50. Shams-Ud-Din. Md. and M. Wootton. 2005. The effects of aqueous extraction on B-vitamins of wheat bran. *Bangladesh J. Agril. Engg.* 16(1&2):49-56.
51. Shams-Ud-Din, Md. and M. Wootton. 2005. Effects of aqueous extraction of wheat bran on diastase, proteases and lipoxigenase activities. *Bangladesh J. Agril. Sci.* 32 (1): 105-111.
52. M.M. Alam and Shams-Ud-Din, Md. 2005. Effect of preservatives and storage conditions on the composition of turmeric paste. *Bangladesh J. Agril. Res.* 30 (3): 481-487.
53. Haque, A., Shams-Ud-Din, Md. and Haque, A. 2006. The effect of aqueous extracted wheat bran on the baking quality of cracker. Being considered for publication in the *Journal of the Institution of Engineers, Bangladesh, Agricultural Engineering Division.*
54. Shams-Ud-Din, Md. 2005. 'Status and prospects of small scale fruits and vegetables processing industries in Bangladesh'. In: "Proceedings of International Workshop on Agro-processing Techniques of Fruits and Vegetables for Income Generation", held on 28-30 March 2005, Dhaka, Bangladesh. Sponsored by the Islamic Development Bank, Jeddah, Saudi Arabia. pp. 35 - 57.
55. Shams-Ud-Din, Md. 2006. 'Agro-processing Industrialization in Bangladesh'. In: Proceedings of the 1st International Joint Seminar on "The Agricultural Research for the Development of South East Asia", held on 9-10 November 2006, held at Chungnam National University (CNU), South Korea, pp. 45-64.
56. Islam, M.R. and Shams-Ud-Din. Md. 2006. The effects of cassava flour on the baking quality of breads. *Nuclear Science and Applications.* 15(1): 80-85.
57. Shams-Ud-Din, Md., Bashar, M.A. and Monirul, M. 2006. Studies on the effects of processed pea husk on bread quality. *Bangladesh J. Agril. Engg.* 17(1&2):80-87.
58. Shams-Ud-Din, Md., Sarker, R.K. and Kundu, M. 2007. Studies on the processing of tomatoes for production of tomato cocktail. *Bangladesh J. Agril. Sci.* 34(1):61-66.
59. Hossain, M.Y. and Shams-Ud-Din Md. 2007. Effect of cow's milk and soya-milk channa on quality of *Jilapi*. *Intl. J. BioRes.* 3 (6):55-58.
60. Mollik, M. and Shams-Ud-Din Md. 2007. Processing and preservation of chapattis from wholemeal flour. *Bangladesh J. Agril. Engg.* 18(1&2):55-71.
61. Sarker, R.K., Shams-Ud-Din, Md. and A. Akhter. 2007. Studies on the processing of sweet biscuits from edible yam. *Progress. Agric.* 18(1):217-226.
62. Shams-Ud-Din, Md., Khaliduzzaman and Md. Al-Emran. 2008. Studies on the preparation of shelf-stable garlic powder. *Bangladesh J. Agril. Engg.* 19(1&2):47-55.
63. Sarker, R.K. and Shams-Ud-Din, Md. 2008. Studies on the processing of yams for preparation of cracker biscuits. *Bangladesh J. Agril. Engg.* 19(1&2):1-10.
64. Shams-Ud-Din, Md. and D. Bose. 2009. A study on the processing of frozen French fries from potato. *Bangladesh J. Agril. Engg.* 20(1&2):25-32.
65. Shams-Ud-Din, Md. and D. Bose. 2010. The effect of chickpea (*Cicer arietinum*) husk on the baking properties of cracker biscuits. *J. Bangladesh Agril. Uni.* 8(1):147-152.
66. Karmoker, P., M. Shams-Ud-Din and S.C. Monal. 2010. Processing of mixed fruit bar from mango, pineapple and papaya. *Bangladesh J. Agril. Engg.* 21(1&2): 25-33.

67. Inam, A.K.M and Shams-Ud-Din, Md. 2010. Effects of chickpea (*Cicer arietinum*) husk on the baking properties of chapattis. J. Bangladesh Agril. Uni. 8(2):297-304.

#### **IX. THESES/DISSERTATIONS AND BOOKS**

- Shams-Ud-Din, Md. 1974. Rice storage: Deterioration and its prevention. A dissertation: in the partial fulfillment of the requirement of the Master of Science Degree (Food Technology), University of Mysore, India.
- Shams-Ud-Din, Md. 1975. Difference in the pattern of bran removal from the rice by different milling equipments. A thesis: in the partial fulfillment of the requirement of the Master of Science Degree (Food Technology) University of Mysore, India.
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- A training manual on cassava processing (In English).
- A training manual on cassava processing (In Bengali)
- A training manual on processing of indigenous fruits and vegetables (In Bengali).

#### **X. SERVED AS SUPERVISOR OF RESEARCH PROJECTS OF UNDERGRADUATE AND POSTGRADUATE STUDENTS:**

Supervised 90 postgraduate (M.S. in Food Technology/Food Engineering) students and 1 PhD student in the field of Food Science & Technology.

#### **XI. ARTICLES PUBLISHED IN THE NATIONAL DAILIES AND OTHER PERIODICALS:**

Published 30 popular articles (Food Science & Technology related) in the National Dailies, Souvenirs and Science Magazines.

#### **XII. SEMINARS, CONFERENCES AND TRAINING PROGRAMS ATTENDED:**

Attended more than 30 national and international conferences, seminars and training programs, and visited a good number of countries including Australia, Germany, Malaysia, New Zealand, Pakistan, India, Thailand, South Korea, Singapore, Indonesia, Nepal, Philippines and Russia for academic and research purposes.

#### **XIII. MEMBERSHIP OF PROFESSIONAL SOCIETIES AND EXTRACURRICULAR ACTIVITIES:**

President: Democratic Teachers' Forum, Bangladesh Agricultural University (BAU): 2012-2013

Member: BAU Teachers Council : 2009-2010

Fellow (Life): Institution of Engineers, Bangladesh

Life Member: Progressive Agriculturists

Member: Bangladesh Association for Advancement of Science

Member : Bangladesh Society of Agricultural Engineers

Member: Krishibid Institution

Member: BAU Old Boys' Association

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