

## CURRICULUM VITAE of Sharifa Sultana Dipti

1. Name : **SHARIFA SULTANA DIPTI**
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8. **Academic Qualification** :

Year	Examination	Division/Class/Grade	Board/ University
2012	Ph.D (Human Nutrition)	Excellent	UPLB, Philippines
2005	MS (Applied Nutrition)	Excellent	UPLB, Philippines
1995	M.Sc. (Food & Nutrition)	First Class	Dhaka University
1994	B.Sc. (Hons) (Food & Nutrition)	First Class	Dhaka University
1985	H.S.C. (Science)	First Division	Jessore Board
1983	S.S.C. (Science)	First Division	Jessore Board

9. **Professional Experience:**

- a) September 1995 to June 1997 - Worked as a Nutritionist from in a collaborative Project between Dhaka Shishu Hospital and University of Edinburgh to investigate the role of Zinc in catch-up growth of the malnourished children.
- b) February 28, 1999 to July 2006 - Worked as a **scientific officer** in Grain quality and Nutrition Division of Bangladesh Rice Research Institute.

- c) July 2006 to 2014 – Worked as a **Senior Scientific Officer** in Grain quality and Nutrition Division of Bangladesh Rice Research Institute.
- d) April 2014 to 2025- Working as a **Principal Scientific Officer** in Grain quality and Nutrition Division of Bangladesh Rice Research Institute.
- e) May 2025 to till Now-Working as a **Chief Scientific Officer and Head** in Grain Quality and Nutrition Division of Bangladesh Rice Research Institute.

## 10. Publications

### Full Paper

1. Fatema Begum, **Sharifa Sultana Dipti**, Nilufer H. Karim, and K. A. Kabir. 2001. Physicochemical characteristics of some Iranian and BRRI rice varieties. . Bangladesh J. of Biochemistry, 7:11-16.
2. Haque, F, M. Hussain, A. K., Sarkar, M. M. Haque, Fakir Anzuman Ara, **S. Sultana Dipti**. 2002. Breast feeding counseling and its effect on the prevalence of exclusive breast feeding. J. Health Popul. Nutr., 20(4):312-316.
3. **S. S. Dipti**, S. T. Hossain, M. N. Bari and K. A. Kabir. 2002. Physicochemical and Cooking Properties of Some Fine Rice Varieties. Pakistan Journal of Nutrition, 1(4): 188-190, 2002
4. M. A. Siddiquee, S. K. Biswas, K A. Kabir, A. A. Mahbub, **S. S. Dipti**, N. Ferdous, J. K. Biswas and B. Banu . 2002. A Comparative Study between Hybrid and Inbred Rice in Relation to their Yield and Quality. Pakistan Journal of Biological Sciences, 5(5): 550-552.
5. **S. S. Dipti**, M. N. Bari and K. A. Kabir. 2003. Grain Quality Characteristics of Some *Beruin* Rice Varieties of Bangladesh. Pakistan Journal of Nutrition, 2 (4): 242-245.
6. K. A. Kabir, M. Haque, M. A. Hossain, **S. S. Dipti** and I Tetens. 2003. Breeding for iron-dense rice in Bangladesh. In Book, Rice Science: Innovations and Impact for livelihood. Edited by T. W. Mew, D. S. Brar and B. Hardy. IRRI. pp 397-402.
7. M. R. Khanam, M. J. Abedin, M. N. Bari and **S. S. Dipti**. 2004. Iron absorption under different moisture regimes in Shilmondi soil, Bangladesh J. Agril. Res., 29(1): 37-46.
8. **S. S. Dipti**, Maria Antonia G. Tuazon and K. A. Kabir, 2008. Nutrient intake, adequacies and dietary diversity score of factory worker headed households. JSARD, 6(3), 518-522.
9. **S. S. Dipti**, Maria Antonia G. Tuazon and K. A. Kabir, 2008. Nutritional Status of the Members of The Factory Worker-Headed Households of Four Villages of Gazipur District. JARD, 6(1&2), 119-124.
10. Melissa A. Fitzgerald, Christine J. Bergman, Adoracion P. Resurreccion, Jürgen Möller, Rosario Jimenez, Russell F. Reinke, Margrit Martin, Pedro Blanco, Federico Molina, Ming-Hsuan Chen, Victoria Kuri, Marissa V. Romero, Fatemeh Habibi, Takayuki Umamoto, Supanee Jongdee, Eduardo Graterol, K. Radhika Reddy, Priscila Zaczuk Bassinello, Rajeswari Sivakami, N.Shobha Rani, Sanjukta Das, Ya Jane Wang, Siti Dewi Indrasari, Asfaliza Ramli, Rauf Ahmad, **Sharifa S. Dipti**, Lihong Xie, Nguyen Thi Lang, Pratibha Singh, Dámaso Castillo Toro, Fatemeh Tavasoli, Christian Mestres, Addressing the Dilemmas of Measuring Amylose in Rice. Cereal Chemistry 86(5):492–498. doi:10.1094/CCHEM-86-5-0492© 2009 AACC International, Inc.

11. M. A. Fitzgerald & S. Rahman & A. P. Resurreccion & J. Concepcion & V. D. Daygon & **S. S. Dipti** & K. A. Kabir & B. Klingner & M. K. Morell & A. R. Bird, Identification of a Major Genetic Determinant of Glycaemic Index in Rice. *Rice* (2011) 4:66–7. DOI 10.1007/s12284-011-9073-z.
12. **Sharifa Sultana Dipti**, Christine Bergman, Siti Dewi Indrasari, Theja Herath, Robert Hall, Hueihong Lee, Fatemeh Habibi, Priscila Zaczuk Bassinello, Eduardo Graterol, Julie P. Ferraz MD, Melissa Fitzgerald, The potential of rice to offer solutions for malnutrition and chronic diseases *Rice*. *Rice* (2012) 5:16 DOI: 10, 1186/1939-8433-5-16.
13. **Sharifa Sultana Dipti** and Khandaker Aminul Kabir, Relationships of Selected Characteristics and Parental Attributes to Energy and Protein Adequacies of Factory Worker Headed Households. *International Journal of Sustainable Agricultural Technology*, 9(4):07-13, April 2013.
14. **Sharifa Sultana Dipti** and Khandaker Aminul Kabir, Association of Nutrient Adequacy and Dietary Diversity with Nutritional Status of Preschool Children of Factory Worker-Headed Households in Gazipur District. *International Journal of Sustainable Agricultural Technology*, 9(6):01-06, June 2013.
15. Marefe Calingacion, Alice Laborte, Andrew Nelson, Adoracion Resurreccion, Jeanflor Crystal Concepcion, Venea Dara Daygon, Roland Mumm, Russell Reinke, **Sharifa Dipti**, Priscila Zaczuk Bassinello, John Manful, Sakhan Sophany, Karla Cordero lara, Jinsong Bao, Lihong Xie, Katerine Loaiza, Ahmad Ei-hissewy, Joseph Gayin, Neerja Sharma, Sivakami Rajeswari, Swaminathan Manonmani, N. Shobha Rani, Suneetha Kota, Siti Dewi Indrasari, Fatemeh Habibi, Maryam Hosseini, Fatema Tavasoli, Keitaro Suzuki, Takayuki Umemoto, Chanthkone Boualaphanh, Huei Hong Lee, Yiu Pang Hung, Asfaliza Ramli, Pa pa Aung, Rauf Ahmed, Javed Iqbal Wattoo, Evelyn Bandonill, Marissa Romero, Carla Moita Brites, Roshni Hafeel, Hui-Sheng Lur, Kunya Cheapun, Supanee Jongdee, Pedro Blanco, Rolfe Bryant, Nguyen Thi Lang, Robert D. Hall and Melissa Fitzgerald, Diversity of Global Rice Markets and the Science Required for Consumer-Targeted Rice Breeding, *PLoS ONE* 9(1): e85106. doi:10.1371/journal.pone.0085106.
16. Christine Hotz, Khandaker A Kabir, **Sharifa S Dipti**, Joanne E Arsenault and Moniruzzaman Bipul, Rice Fortification with zinc during parboiling may improve the adequacy of zinc intakes in Bangladesh. *Journal of the Science of Food and Agriculture*, 2015; **95**: 379–385, Wileyonlinelibrary.com 17 June, 2014. 2015; **95**: 379–385.
17. Christine Hotz, Khandaker A Kabir, **Sharifa S Dipti**, Joanne E Arsenault and Moniruzzaman Bipul, Addition of Zinc to Soaking Water during Parboiling Increases the Zinc Content of Bangladeshi Rice. January 2015; DOI: 10.9734/EJNFS/2015/20919.
18. Q A Panhwar · U A Naher · O Radziah · J Shamsuddin · I Mohd Razi · **S S Dipti** · M T Karabalei Aghamolki, Quality and antioxidant activity of rice grown on alluvial soil amended with Zn, Cu and Mo . *South African Journal of Botany* 98(2015):77-83 · January 2015, DOI: 10.1016/j.sajb.2015.01.021.
19. Biswas JC, Haque MM, Khan FH, Islam MR, **Dipti SS**, Akter M, Ahmed HU, Zinc fortification: Effect of Polishing on Parboiled and Unparboiled Rice, *Current Plant Biology*(2018), <https://doi.org/10.1016/j.cpb.2018.11.002>.

20. Ishrat Jabeen, Muhammad Hafiz, Wickneswari Ratnam, Tilakavati Karupaiah, **Sharifa Dipti**, Naoko Fujita, Takayuki Umemoto, Zhongyi Li, Sadequr Rahman (2021). “Differential expression of three key starch biosynthetic genes in developing grains of rice differing in glycemic index.”. *Journal of Cereal Science*, DOI: [10.1016/j.jcs.2021.103187](https://doi.org/10.1016/j.jcs.2021.103187).
21. Sanjoy K. Debsharma, M. Akhlaqur Rahman \*, Mahmuda Khatun , Ribed F. Dishal , Nusrat Jahan , Md. Ruhul Quddus , Hasina Khatun , **Sharifa S. Dipti** , Md. Ibrahim , K. M. Iftekharuddaula1 , Md. Shahjahan Kabir (2024) Developing climate-resilient rice varieties (BRRI dhan97 and BRRI dhan99) suitable for salt-stress environments in Bangladesh”, *PLOS ONE*, . <https://doi.org/10.1371/journal.pone.0294573>.
22. **Sharifa Sultana Dipti**, AKM Sahfiqul Islam, Mohammad Ashik Iqbal Khan and Md. Abdul Qayum, 2023. Shelf life and Physicochemical Cooking Organoleptic acceptance of Homemade Rice Noodles Produced from BRRI Varieties. *The Journal of Rural Development*, Vol. 46, No. 1, July 2023, pp. 121-146. BARD, Cumilla, Bangladesh.
23. M S Kabir, M U Salam, A Chowdhury, N M F Rahman, K M Iftekharuddaula, M S Rahman, M H Rashid, **S S Dipti**, A Islam, M A Latif, A K M S Islam, M M Hossain, B Nessa, T H Ansari, M A Ali and J K Biswas. Rice vision for Bangladesh 2050 and Beyond, *Bangladesh Rice Journal*. 19 (2): 1-18, 2015.
24. FH Khan, Jatish C Biswas, MR Islam, **SS Dipti**, MM Haque, M Iqbal, M Akhter and HU Ahmed, Efficiency of joining agronomic and hereditary bio-fortification of rice with zinc in Bangladesh, *Eco-friendly Agril. J.* 11 (08): 84-87, 2018 (August).
25. B Nessa, **S S Dipti**, M U Salam, A H M M Haque, J K Biswas, M A Kashem and M S Kabir, Seed Germination and Grain Quality of Rice as Affected by False Smut Disease, *Bangladesh Rice J.* 22 (1) : 1-7, 2018,
26. N Jahanl, MN Islam, R Mahmoodl, **SS Dipti**, Physicochemical Properties of some selected rice varieties of Sylhet, *Journal of Sylhet Agricultural University* 5(1):73 - 78, 2018, ISSN: 2308-1597.
27. M Khatun, M M E Ahmed, M A Syed, F Akter, S Das, M E Haq and **S S Dipti**, Identification of Ideal Trial Sites and Wide Adaptable T. Aus Rice Genotypes Suitable for Bangladesh, *Bangladesh Rice J.* 23 (2) : 77-85, 2019, [doi.org/10.3329/brj.v23i2.48250](https://doi.org/10.3329/brj.v23i2.48250).

## 11. Abstract

1. K. A. Kabir, N. Ferdous, **S. S. Dipti**, S. H. Thilsted, I. Tetens. 2001. The effect of ageing of rice on the rate of starch digestion. *Annals of Nutrition and Metabolism*. August 27-31.
2. K. A. Kabir, **S. S. Dipti**, and Md. Alamgir Hossin. 2003. Adaptive breeding for iron-dense rice in Bangladesh. *International Rice Congress*. 16-20 September 2002, Beijing, China.
3. K. A. Kabir, S. K. Biswas, **S. S. Dipti** and N. Ferdous. 2003. Quality characteristics of some puffed rice of Bangladesh. *IX Asian Nutrition Congress*, to be held in New Delhi, 23-27 February, 2003.
4. **Sharifa Sultana Dipti**, Bilkis Banu, Khandaker Aminul Kabir and M.A. Salam. 2007. Genotype vs environment effect on zinc and iron content of two BRRI varieties grown in

seven agrological zones of Bangladesh. HarvestPlus Rice Crop Team Biofortification Meeting held in Nakorn Pathom, Thailand from 3-5 November, 2007,

5. **S. Dipti**, W. Hurtada and M. Fitzgerald. 2013. Effect of different Processing and Cooking Methods on the Selected Mineral Content of Rice (*Oryza Sativa L.*). 7<sup>th</sup> International Rice genetics Symposium, 5-8 November 2013, Dusit Thani Hotel, manila, Philippines.
6. Christine Hotz, Khandaker A. Kabir, **Sharifa S. Dipti**, Joanne E. Arsenault and Moniruzzaman Bipul. Addition of zinc to soaking water during parboiling increases the zinc content of Bangladesh Rice. The 3<sup>rd</sup> Micronutrient Forum Global Conference held in Addis Ababa, Ethiopia from 2-6 June 2014.

## 12. Seminar

1. **Sharifa Sultana Dipti** and Khandaker Aminul Kabir. 2003. A survey of Beruin rice varieties and their physicochemical properties. Paper presented at the Thursday seminar, BRRI, Gazipur 1701, 22 May 2003.
2. **Sharifa Sultana Dipti**, Maria Antonia G. Tuazon and Khandaker Aminul Kabir. 2005. Dietary intake determination of nutritional status of pre-school children of Gazipur district. Paper presented at the Thursday seminar, BRRI, Gazipur 1701, 29 September 2005.
3. **Sharifa Sultana Dipti**, Bilkis Banu, Khandaker Aminul Kabir and M.A. Salam. 2007. Genotype vs environment effect on zinc and iron content of two BRRI varieties grown in seven agrological zones of Bangladesh. Paper presented at the HarvestPlus Rice Crop Team Biofortification Meeting held in Nakorn Pathom, Thailand from 3-5 November, 2007,
4. **Sharifa Sultana Dipti**. 2008. Content of zinc (and iron) in BR28 and BR29 by location, degree of milling and with or without parboiling. Paper presented at the Bangladesh Biofortified Rice Project-2<sup>nd</sup> Annual Collaborators Meeting held in ICDDR'B, Dhaka Bangladesh from 16-18 March, 2008.
5. **Sharifa Sultana Dipti**, 2013. Rice Processing and Loss of Minerals. Paper presented at the Expert Consultation Workshop on Technical Study on Nutritious Rice Products in Agriculture-Nutrition Value Chain in Bangladesh held on 26 February 2013 at the BARC Training Bhaban, Farmgate, Dhaka.
6. M. A. Siddiquee and Sharifa Sultana Dipti, 2013. Dietary Guidelines for Bangladesh. Paper presented at the Thursday seminar, BRRI, Gazipur 1701, 12 September 2013.
7. **Sharifa Sultana Dipti**. 2014. Loss of Iron and Zinc during Rice Processing. Paper presented at the Thursday seminar, BRRI, Gazipur 1701, 24 April 2014.
8. MS Kabir, MU Salam, A Chowdhury, NMF Rahman, KM Iftekheruddaula, MS Rahman, H Rashid, SS Dipti, A Islam, MA Latif, AKMS Islam, MM Hossain and JK Biswas. Rice Vision for Bangladesh 2050 and Beyond. Paper presented at the 24th Rice Research and Extension Workshop, BRRI, Gazipur 1701, 6 February 2016.
9. S. Sultana, J. Ferdous, RK Roy, SS Dipti and ME Haque, Development and Performance of Doubled Haploids of Indica Rice. Paper presented at the Thursday seminar, BRRI, Gazipur 1701, 15 June 2016.

**12. Award received:**

1. In 2003, was awarded a scholarship by the Royal Danish Government under the “Enhancement of Research Capabilities (ENRECA)” in developing countries to pursue graduate studies at the University of the Philippines Los Baños (UPLB) leading to a degree Master of Science in Applied Nutrition.
2. In 2006 “Crest of Honour with certificate was awarded for obtaining 4<sup>th</sup> position in the Foundation Training Course for NARS Scientists sponsored by Bangladesh Agriculture Research Council (BARC) and organized by Bangladesh Academy for Rural Development (BARD).
3. In 2008, was awarded a scholarship by International Food Policy Research Institute (IFPRI) under HurvestPlus to pursue graduates’ studies at the University of the Philippines Los Baños (UPLB) leading to a degree Doctor of Philosophy and research in International Rice Research Institute (IRRI).
4. In 2018, was awarded “TRB-BRRI Project Annual Award” along with Plant Physiology and Breeding (Salinity) for rendering outstanding research activities to Transforming Rice Breeding Project (TRB).
5. In 2019, was awarded “TRB-BRRI Project Annual Award 2019” along with Plant Breeding (Irrigated and Cold Tolerance), Plant Physiology, Plant Pathology and R/S for rendering outstanding research activities to Transforming Rice Breeding Project (TRB).
6. In 2020, was awarded “TRB-BRRI Project Annual Award 2020” along with Irrigated and Cold Tolerance Team for rendering outstanding research activities to Transforming Rice Breeding Project (TRB).
7. In 2021, was awarded “APA award “by divisional outstanding contribution for APA as APA focal point for GQN Division.
8. In 2024, was awarded “The 2024 CHE Distinguished Alumni Awards” for Food and Nutrition Research by The University of the Philippines Los Baños Alumni Association INC. (UPLBAA) Governing Board.

**13. Student Supervision:**

- Serving Sylhet Agricultural University, Sylhet, Bangladesh as a “Research Supervisor/Committee member” for the students of the Department of Agronomy and Haor Agriculture since 2012....
- Serving Mawlana Bhashani Science and Technology University, Tangail, Bangladesh, as a “Research Supervisor/Committee member” for the students of the Department of Food Technology and Nutritional Science (FTNS) since 2020.....

**14. Membership of Professionals**

1. National Codex Committee, Bangladesh Standards and Testing Institute (BSTI)
2. Cereals, Pulses and their Products technical committee, Bangladesh Standard and Testing Institute (BSTI)
3. International Network for Quality Rice (INQR)( <http://inqr.irri.org>)
4. Bangladesh Rice Research Institute Scientist's Association (BRRISA)
5. Bangladesh Association for the Advancement of Science (BAAS)

6. The Bangladesh Association of Scientists and Scientific Profession (BASSP)
7. Bangladesh Botanical Society
8. Professional Organization for Women Extension and Research (POWER)
9. Nutrition Society of Bangladesh

**15. Others activities:**

- General Secretary (GS) for the year 2010-2011 of International Student Association (ISA) Executive committee, University of Philippines Los Baños (UPLB), Philippines.
- General Secretary (GS) for the year 2012 of Association of Fellows, Scholars, Trainees, and Residents of IRRI (AFSTRI), International Rice Research Institute (IRRI), Philippines

**(Dr. Sharifa Sultana Dipti)**  
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