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<p>Educational Qualification</p>	<p>Ph.D. (2014) in Dental Sciences, Cariology and Operative Dentistry, Tokyo Medical and Dental University, Tokyo, Japan. <i>Thesis title:</i> The Use of Natural Plant Extracts to Enhance Caries Prevention and to Improve the Performance of Dental Adhesives. B.D.S (2006) University of Dhaka, Dhaka, Bangladesh.</p>
<p>Professional Career</p>	<ul style="list-style-type: none"> • Assistant Professor, RAK College of Dental Sciences, RAK, UAE. • Project Assistant Professor, Tokyo Medical and Dental University, Tokyo, Japan. • Post-Doctoral fellow, Tokyo Medical and Dental University, Tokyo, Japan. • Instructor, Tokyo Medical and Dental University, Tokyo, Japan. • Clinician (Dentist), Dhaka, Bangladesh.
<p>Achievements/ Interests/Publications/Awards</p>	<p>Awards and Honors:</p> <ul style="list-style-type: none"> ❑ Outstanding paper award; The 4th International Congress on Adhesive Dentistry (April 15-17, 2011) Seoul, Korea (1st author) ❑ IADR Geriatric Oral Research Awards; The 89th General Session & Exhibition of the IADR (March 16-19, 2011) San Diego, Calif., USA (co-author) ❑ Complementary poster award; The 6th International Congress on Adhesive Dentistry (Jan30-Feb 1), Bangkok, Thailand 2015. (co-author)

- ❑ IADR-SEAD Research Category Award (Cariology and Mineralized Tissue); The 29th Annual Scientific Meeting of IADR-SEA Division (August 12-15th, 2015) Bali, Indonesia. (co-author)
- ❑ Exchange fellowship of Japan Dental Association (2008)
- ❑ Advanced. I. Super Studentship grant, The Global Center of Excellence (GCOE) Program “International Research Center for Molecular Science in Tooth and Bone Diseases” at Tokyo Medical and Dental University. (2012)
- ❑ JASSO fellowship (2013)
- ❑ “Outstanding Contribution in Reviewing” award; Archives of Oral Biology (Elsevier publication). 2015.

List of Publications:

- Dental Cements: Bioactivity, Bond Strength and Demineralization Progression around Restoration. American Journal of Dentistry; Volume 31 special issue B, November 2018
- Effects of zinc fluoride on inhibiting dentin demineralization and collagen degradation in vitro: A comparison of various topical fluoride agents. Thanatvarakorn O, **Islam MS**, Nakashima S, Sadr A, Nikaido T, Tagami J. Dent Mater J. 2016 Oct 1;35(5):769-775
- Comparative study of demineralized collagen degradation determined by Hydroxyproline assay and Microscopic depth measurement. **Islam MS**, Khunkar SJ, Nakashima S, Sadr A, Nikaido T, Tagami J. J Dent. doi:10.1016/j.jdent.2016.01.001
- Effect of phytic acid etchant on the structural stability of demineralized dentine and dentine bonding. Kong K, **Islam MS**, Nassar M, Hiraishi N, Otsuki M, Yiu CK, Tagami J. J Mech Behav Biomed Mater. 2015 Aug; (48):145-52.
- Effect of hesperidin incorporation into a self-etching primer on durability of dentin bond. **Islam MS**, Hiraishi N, Nassar M, Yiu C, Otsuki M, Tagami J. Dent Mater. 2014 Nov;30(11):1205-12
- Age-related changes in salivary biomarkers, Nassar M, Hiraishi N, **Islam MS**, Otsuki M, Tagami J. Journal of

	<p>Dental Sciences. 2014 March; 9 (1), 85–90</p> <ul style="list-style-type: none"> • In vitro evaluation of plant-derived agents to preserve dentin collagen. Hiraishi N, Sono R, Sofiqul I, Yiu C, Nakamura H, Otsuki M, Takatsuka T, Tagami J. Dent Mater. 2013 Oct; 29(10):1048-54. • The effect of glutathione on 2-hydroxyethylmethacrylate cytotoxicity and on resin-dentine bond strength. Nassar M, Hiraishi N, Islam MS, Tamura Y, Otsuki M, Kasugai S, Ohya K, Tagami J, Tay FR. Int Endod J. 2014 Jul; 47 (7): 652-8 • Effect of phytic acid used as etchant on bond strength, smear layer, and pulpal cells. Nassar M, Hiraishi N, Islam MS, Aizawa M, Tamura Y, Otsuki M, Kasugai S, Ohya K, Tagami J. Eur J Oral Sci. 2013 Oct; 121(5):482-7. • Effect of natural cross-linkers incorporation in a self-etching primer on dentine bond strength. Islam S, Hiraishi N, Nassar M, Yiu C, Otsuki M, Tagami J. J Dent. 2012 Dec; 40 (12): 1052-9. • In vitro Effect of Hesperidin on Root Dentin Collagen and de/re-mineralization. Islam SM, Hiraishi N, Nassar M, Sono R, Otsuki M, Takatsura T, Yiu C, Tagami J. Dent Mater J. 2012; 31(3):362-7. • Effect of Hesperidin in vitro on Root Dentin Collagen and Demineralization. N. Hiraishi, R. Sono , M.S. Islam , M. Otsuki , J. Tagami , T. Takatsuka. J Dent. 2011 May; 39 (5): 391-6.
<p>Conferences/Workshops</p>	<ul style="list-style-type: none"> • Durable Dental Restoration: The Challenges and Remedy; Oral Presentation, RAKCODS Dental Conference 2018, October 5th and 6th 2018 in RAK, UAE • Role of Natural Plant Extract to Achieve Super Tooth; Keynote lecture, World Congress on Dentistry and Oral Health, June 25-27, 2018 in Dubai, UAE. • Comparative study of demineralized collagen degradation determined by hydroxyproline assay and microscopic depth measurement. (Poster presentation), The 143th meeting of Japanese society of conservative dentistry November 12-13th, 2015 • The 7th International Summer Program (ISP) of Tokyo Medical and Dental University. (Keynote lecture) Student symposium. August 27th –September 3rd 2015.

- Etching effect of phytic acid on bond strength of MMA-based resin cement. (Oral presentation), The 32nd Annual Meeting of Japan Society for Adhesive Dentistry. November 30th - December 1st, 2013
- Biocompatibility of Mussel-mimetic Bio-adhesive Resin. (Oral presentation) The 91st General Session. IADR/AADR/CADR March 20th – 23th, 2013
- In Vitro Evaluation of Plant-derived Agents to Preserve Dentin Collagen. (Poster presentation) The 137th meeting of Japanese society of conservative dentistry November 22nd -23rd , 2012
- Effect of Cross-linker on Resin-dentin Bond Strength of Self-etch Adhesive. (Oral presentation) The 26th International Association of Dental Research South East Asia Division November 3rd -4th, 2012
- Effect of Incorporation of Hesperidin in a Self-etching Primer on Dentin Bond Strength. (Oral presentation) The 135th meeting of Japanese society of conservative dentistry October 20th -21st, 2011
- Effect of Grape Seeds on Stabilization of Collagen and Re-mineralization of the Root Dentin Lesion. (Oral presentation) The 134th meeting of Japanese society of conservative dentistry June 9th -10th, 2011
- Effect of Hesperidin Incorporation into the Primer of a Self-etching Adhesive on Micro Tensile Bond Strength to Dentin. (Oral & poster presentations) The 4th International Congress on Adhesive Dentistry April 15th -17th, 2011