

## CV of Hasin Anupama Azhari (Including List of Publications)

### Personal Details:

Name: Hasin Anupama Azhari  
Date of Birth: 01 August 1971.



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## Academic Qualification

PhD in Medical Physics,

- National University with Sandwich program OWSD (Organization for Women Science for The Developing World), ICTP, Trieste, Italy; **2011**.
- Research place was Zhejiang Cancer Hospital, Hangzhou, China and German Cancer Research Center, Heidelberg University, Germany.

M.S.C: Medical Physics, 2006 under DAAD scholarship

Bachelor: Bachelor in Medicine and Surgery (MBBS), Bangladesh Medical College, 1997  
H.S.C: 1989 (Holy Cross Girls' High school & College, Dhaka, Bangladesh).  
S.S.C: 1986 (Holy Cross Girls' High school, Dhaka, Bangladesh).

## Position and Working Experience

Professor

Ex- Chairman Department of Medical Physics and Biomedical Engineering (MPBME): 2011- Jan 2021

Former, Dean, Faculty of Physical and Mathematical Sciences, for 2 terms  
Gono Bishwabidyalay (University), Dhaka.

CEO, South Asia Centre for medical Physics and Cancer Research (A Project of Alo Bhubon Trust)

- Teaching in the Department of Medical Physics and Biomedical Engineering since 2005.
- Conduct course in all area of Medical Physics specially in Radiation Oncology Physics and Imaging Physics.
- Conduct Practical courses in Dosimetry, Brachytherapy, Quality control in different hospitals.
- Acting as supervisor and co supervisor for BSc projects (No. 55) and MSc thesis (No. 23) in Medical Physics.
- Visiting Professor in other public and private universities.
- Act as expertise in syllabus committee in different universities in Bangladesh.
- Acts as expert member in Ministry of Health, and Directorate of

General Health Services for Medical Physicists post creation and recruitment rule.

- Act as project manager and coordinator in different projects aided by World Bank, University Grant Commission (UGC), Bangladesh Government, Deutscher Akademischer Austauschdienst (DAAD), Germany.
- Act as expertise to facilitate the collaboration with different national and international universities (China, India and Germany), for training, thesis, project practical, internship and teacher student exchange etc.
- General -Secretary, AFOMP

### **Research Field of Interest**

- Brachytherapy
- Radiation Biology
- Ultrasonography

### **Training in Medical Physics: Germany, India, China, Italy**

#### **Others**

- Coordinator of the Bengali translation of Medical Physics terms (from English) – a task from an international project – IOMP (International Organization of Medical Physics).

#### **Awards**

- Outstanding Medical Physicists Award, AFOMP, 2020
- International Medical Physics Award, IOMP 2018
- Best Paper Award in Journal of Bangladesh Physical Society (BPS)
- A publication, top listed publication in European journal

#### **Honours**

- Deutscher Akademischer Austauschdienst (DAAD)
  - As a program coordinator
- OWSDW (Organization for Women Science for The Developing World), ICTP, Trieste, Italy
  - PhD Fellowship
- Deutscher Akademischer Austauschdienst (DAAD)Scholarship
  - For MSc thesis.
- Abdus Salam International Centre for Theoretical Physics (ICTP)
  - Regular Associate Member.
- Asia-Oceania Federation of Organizations for Medical Physics (AFOMP)
  - As a Scientific Committee member.
- International Organization for Medical Physics (IOMP), AFOMP, AMPI

- As an invited speaker.
- International advisory Board in International conferences.
- AFOMP General Secretary
- Member, Accreditation Board, International Medical Physics Certification Board (IMPCB)

### Activities

- Organizing Chairman for the Upcoming AFOMP congress (AOCMP 2021), 10-12 December 2021.
- Organizing President, 3<sup>rd</sup> International Conference on Medical Physics in Radiation Oncology and Imaging (ICMPROI-2018): Krishibid Institute Bangladesh.
- Organizing Vice President, Annual Conference of Bangladesh Society of Radiation Oncologists & Bangladesh Medical Physics Society, (ACBSROBMPS-2017) **Location:** Dhaka;
- **Convener**, Annual Conference of Bangladesh Society of Radiation Oncologists & Bangladesh Medical Physics Society, (ACBSROBMPS-2016), 24-25 September **2016**.
- **Convener**, Workshop on Legal Aspects and Quality Control In Diagnostic Imaging And Radiotherapy Facilities, Bangladesh Medical Physics Society (BMPS) And Bangladesh Atomic Energy Regulatory Authority (BAERA), 9<sup>th</sup> July **2015**.
- **Organizing Committee Member**, 4<sup>th</sup> Annual Conference of Bangladesh Medical Physics Society, (ACBMPS-2015).
- **Organizing Secretary**; International Conference on Medical Physics in Radiation Oncology and Imaging (ICMPROI-2014), Banghabandhu Sheikh Mujib Medical University (BSMMU); 20- 22<sup>th</sup> August **2014**.
- **Chairperson**; 2nd Annual Conference of Bangladesh Medical Physics Society (ACBMPS-2013), National Institute of Cancer research and hospital and United hospital, 15-16<sup>th</sup> March **2013**.
- **Organizing Secretary**; International Conference on Medical Physics in Radiation Oncology and Imaging (ICMPROI-2011), Gono University; 11-13<sup>th</sup> March **2011**.
- **Organizing Co-convener**; International Symposium on Recent Advancements on Oncology and Medical Physics (ISRAOMP-2011), National Institute of Cancer Research & Hospital (NICRH), Dhaka, Bangladesh, 26-27<sup>th</sup> December **2011**.
- **Organizing Co-chairperson**; International Seminar cum Workshop on Standards & Applications of Radiation Dosimetry, Cancer Diagnosis and Radiotherapy Treatment Planning” organized by Strengthening of SSDL Project, Bangladesh Atomic Energy Commission, 21-22<sup>th</sup> December **2011**.
- **Organizing Secretary**; International Conference on Women in Science, Engineering and Technology: Local and Global Perspective (ICWSET-2011); NNAC, Senate Bhavan, University of Dhaka 2-4<sup>th</sup> Feb, 2012

## Membership

- Founder President, and former Vice president, Bangladesh Medical Physics Society (**BMPS**), 2009
- Vice President, Bangladesh Association of Women Scientists (**BAWS**).
- Regular Associate member, International Centre for Theoretical Physics (**ICTP**), Italy, 2013
- Life Member, Bangladesh Physical Society (**BPS**).
- Member, European Society for Therapeutic Radiology and Oncology (**ESTRO**).
- Member, American Association of Physicists in Medicine (**AAPM**). 2017
- Life Member, Association of Medical Physicists of India (**AMPI**) 2005
- General Secretary, Asia–Oceania Federation of Organizations for Medical Physics, (**AFOMP**) 2018
- Executive member, Asia Pacific Region, The Organization for Women in **Science** for the Developing World (**OWSD**), TWAS, Trieste, Italy 2016.
- Member, International Scientific Exchange Program (ISEP), AAPM, 2017
- Member, Asiatic Society of Bangladesh, 2017
- Member, International Organization of Medical Physicists Women Group (IOMP-W), 2013

## List of Publications

### Journal Publications

M. Akhtaruzzaman<sup>1</sup>, H. A. Azhari, G. A. Zakaria. Medical Physics in Bangladesh: Education, Profession and Training; Medical Physics International Journal, vol.8, No.3, 2020

Md. Mokhlesur Rahman, Md. Hafizur Rahman, [Azhari Hasin Anupama](#), Zakaria Golam Abu ...et al. A Hybrid IMRT Technique for Treatment of Breast Cancer: A dosimetric Study; International Journal of Scientific and Engineering Research (IJSER), accepted on 25 June 2020, ISSN 22295518

Rajan Prajapati<sup>1</sup>, Golam Abu Zakaria<sup>1</sup>, and [Hasin Anupama Azhari et al](#): Dose Homogeneity in Surface Applicator Overlapping and Non-Overlapping Region Using Homemade Bolus with 3D Printer in INTRABEAM System for Skin Cancer, Journal of Medical Physics and Applied Sciences, ISSN 2574-285X Vol.5 No.1:1, 2020

Md. Mahfuzur Rahman, [Azhari Hasin Anupama](#), Zakaria Golam.... et al. Quality Control of Intensity Modulated Radiation Therapy (IMRT) using Electronic Portal Imaging Devices (EPID): Cancer Research and Therapy, Volume 4, Issue 2, 052

Md. Mafazur Rahman, Md. Mokhlesur Rahman, [Azhari Hasin Anupama](#), Zakaria Golam Abu ...et. AI Analysis of NTCP Based Radiobiological Models: A Systematic Review of Literature: International Journal of Cancer Research and Therapy: Published: 23<sup>rd</sup> Oct. 2019

Md. Atiquzzaman Md. Mokhlesur Rahman, [Azhari Hasin Anupama](#), Zakaria Golam Abu ...et. AI Acceptance Testing of a Varian Linear Accelerator for Electron and Photon Beams: Bangladesh Journal of Physics (BJP, Published on 30.07. 2019)

Md. Rustam Alli, Md. Mokhlesur Rahman, [Azhari Hasin Anupama](#), Zakaria Golam Abu,....et al Acceptance Testing of a Varian Linear Accelerator for Electron and Photon Beams.: Bangladesh Journal of Physics(BJP, Published on 26.08. 2019)

Md. Mokhlesur Rahman, Md. Hafizur Rahman, [Azhari Hasin Anupama](#), Zakaria Golam Abu ...et al. A Hybrid IMRT Technique for Treatment of Breast Cancer: A Dosimetric Study, Japanese Journal of Medical Physics, Vol. 39 Supplement No. 1 (April 2019), Page No. 151 (Excellent Paper Presentation of JSMP 2019).

Md. Sujan Mahamud, [Azhari Hasin Anupama](#), Zakaria Golam Abu,....et al Verification of treatment time in interstitial brachytherapy using paris system: A Dosimetric Study: Japanese Journal of Medical Physics, Vol 39 Supplement No. 1 (April 2019).

Kausar, [H. A. Azhari](#); Patient Specific Quality Control (QC) for Intensity Modulated Radiation Therapy (IMRT) and Volumetric Modulated Arc Therapy (VMAT) Using Electronic Portal Imaging Device (EPID) and 2-D Ion Chamber Array, Journal of Radiotherapy in Practice, Ref.: Ms. No. JRP-D-18-00042R1, 26 Jul 2018)

New Developments In Image Based Gynecological Brachytherapy, [Hasin Anupama Azhari](#), Abstracts of AOCMP-AMPICON 2017, journal Of Medical Physics, Vol. 42, Supplement 1, November 2017.

A.Kausar, H. A. Azhari, S. Chaudhury, M. A. Bhuian, G. A. Zakaria. Ranking of 3D radiation Treatment Plan Variants Considerion Physical and Biological parameters in External Beam Radiotherapy, Bangladesh Journal of Physics, Vol 22. ISSN 1816-1081, December **2017**.

W. H. Round, S. Jafari, T. Kron,[H. A. Azhari](#)....et al . Brief Histories of Medical Physics in Asia- Oceania, DOI 10.1007/s13246-015-0342-9, Australasian College of Physical Scientists and Engineers in Medicine **2015**.

Tomas Kron, [H. A. Azhari](#), E. O. Voon...et al Medical Physics Aspects of Cancer care in the Asia Pacific region: 2014 survey results, DOI 10.1007/s13246-015-0373-2, Australasian College of Physical Scientists and Engineers in Medicine, **2015**.

Kron T, [Azhari HA](#), Voon EO, Cheung KY, Ravindran P, Soejoko D, Inamura K,.....et al: Medical Physics aspects of cancer care in the Asia Pacific region: 2011 survey results, Biomedical Imaging and Intervention Journal review Article, 8(2):e10, **2012**.

[Hasin A. Azhari](#), Frank Hensley, Wilhelm Schütte, Golam A. Zakaria: Dosimetric Verification of source strength for HDR afterloading units with Ir-192 and Co-60 photon energy sources: Comparison of three different international protocols, Indian Journal of Medical Physics, Journal of Medical Physics, Vol. 37, No. 4, 183-92,**2012**.

Wang Bin-bin, Di Xiao-yun, [Anupama H A](#), Pan Lin-fei, Mao Xian-zhi, Chen Wei-jun: Development and research on the voxlized dose program based on AAPM TG-43 for the Brachytherapy combined with EBRT, Chinese Journal of Medical Physics, Chinese Journal Radiation Oncology, Vol. 20, No. 4, 340- 344,**2011**.

[Hasin Azhari Anupama](#), Golam Abu Zakaria, M. Ali Asgar: Medical Physics Education in Bangladesh, Medical Physics and Engineering Education and Training, IOMP (International Organization of Medical Physics) textbook (Part-1), ICTP, Trieste, Italy, pp. 100-109, **2011**.

ZakariaGolam Abu, Schütte Wilhelm, [Azhari Hasin Anupama](#): Dosimetrie an HDR-Afterloading-Gerätenmit Ir-192- und Co-60-Strahler: VergleichverschiedenerinternationalerDosimetrieprotokolle, Zeitschrift für MedizinischePhysik (Journal of Medical Physics), Elsevier 20, pp 215–224, **2010**.

[Azhari Anupama H](#), Wang Bin bin, Di Xiao-yun, Pan Lin-fei, Zakaria Golam A: Evaluation of optimal treatment plan using physical and biological criteria for external beam radiotherapy and Brachytherapy, Journal of Medical Physics, Special supplement – JMP supplement, November, 31<sup>st</sup> Annual conference of Association of Medical Physics of India (AMPICON), pp 43, **2010**.

N. Milickovic, I. Nikolova, N. Tselis, [H.A. Azhari](#), N. Zamboglou, D. Baltas: Influence of Patient Movement and Anatomy Alteration on the Quality of 3D US Based Prostate HDR Brachytherapy Treatment Special Issue in World Congress on Medical Physics and Biomedical Engineering, IFMBE proceedings 25/I, Springer publication, vol 25/XII, **2009**.

[Hasin Azhari Anupama](#), Golam Abu Zakaria, Frank Hensley: Remote Afterloading Brachytherapy Technique with Iridium-192 Source: Dosimetry and Physical Treatment Planning Aspects, Volume 3, Bangladesh Journal of Physics, pp 49-55, **2007**.

[Hasin Azhari Anupama](#), Bipasha Pal, Dibyendu Sen, Golam Abu Zakaria: Acceptance Testing and Commissioning of Primus Medical Linear Accelerator, Journal of Medical Physics, pp 25, Volume 32, Suppl., 2007, 28<sup>th</sup> Annual conference of Association of Medical Physics of India (AMPICON), November 02 –04, **2007**.

## Books

Jin, Fu Jin, Hasin Anupama Azhari, Woo Sang Ahn, Cheryl Lian Pei Ling, Congying Xie, and Hui-yu Tsai; Chapter name: Medical Physics during the COVID-19 Pandemic Global Perspectives— Asia-Pacific Xiance M. Book name: Medical Physics During the COVID-19 Pandemic Global Perspectives in Clinical Practice, Education and Research Edited by Kwan Hoong Ng and Magdalena S. Stoeva, Taylor and Francis **2021 (Recently Launched)**

[Azhari Hasin Anupama](#), Medical Physics and Cancer Care Aspects in Bangladesh, Asiatic Society of Bangladesh, Published on 19<sup>th</sup> November 2020, Dhaka.

Kinematic Analysis of Human gait for Walking, Running and Cart Pulling, Karmaker N, [Hasin Anupama Azhari](#), G A. Zakaria....et al, ISBN: 978-3-659-84730-1; LAP Lambert Academic Publishing, **2016**.

E-book of Medical Physics Dictionary (Bengali Translation): World Congress, Medical Physics and Biomedical Engineering, 2009, [www.medicaldictionary.co.uk](http://www.medicaldictionary.co.uk).

[Hasin Azhari Anupama](#), Radiotherapy Devices: Teletherapy, Brachytherapy and Biomedical Instrumentation; pp 42 – 50, Short Course, DCE, BUET.

[Hasin Azhari Anupama](#), Golam Abu Zakaria, Guenther Hans Hartmann, Present Status of Medical Physics in Bangladesh and Cooperation between Bangladesh and Germany, Annual book of the German Society of Medical Physics (DGMP), 39 Jahrestagung Oldenburg, Tagungs CD ISBN 3- 9809869-8-5, 10<sup>th</sup> - 13<sup>th</sup> September, **2008**.

[Hasin, Azhari Anupama](#), P.P. Chaurasia, G. A. Zakaria, Status of Brachytherapy: Bangladesh and Nepal”, Annual book of the German Society of Medical Physics (DGMP), 10<sup>th</sup> - 14<sup>th</sup> September, 2008, 39 Jahrestagung Oldenburg, 10<sup>th</sup> - 13<sup>th</sup> September, **2008**, Tagungs CD ISBN 3- 9809869-8-5.

## Conference Proceedings:

- Nazmul Hasan Mehadi, Md. Mokhlesur Rahman, Hasin Anupama Azhari, Golam Abu Zakaria. Argument and Contention over the use of Low-dose Irradiation to COVID-19 Pneumonia: A Review. Engineering & Physical Science in Medicine Conference 2020, 2-4 November, Virtual Conference, Australia.
- [Hasin Anupama Azhari](#), Golam Abu Zakaria, Volker Steil, Frank Hensley: SCMPCR: A Centre of Excellence to fight against Cancer in South Asia Region.
- Chai Hong Yeong, Xiance, Jin, Jeanie Hsiu Ding Wong, Arun Chougule, [Hasin Anupama Azhari](#), Facilitator:Tomas Kron, Medical Physics Practice and Science in Times of COVID
- Eva Bezak, [Hasin Anupama Azhari](#), Anchali, Krisanachinda, Azleen Mohd Zain: Women in Medical Physics
- Rana Mitra, Rashed Al Amin, [Hasin Anupama Azhari](#); Golam Abu Zakaria, Moklesur Rahman. al Design and Fabrication of Human Bone using 3D printer” 1<sup>st</sup> Indo Bangla Workshop on Biometaterials,Bangladesh Council of Scientific and Industrial Research (BCSIR).
- Md. Mahafuzur Rahman', Md. Mokhlesur Rahmanl, Md. Sujan Mahmudl, Md.Atru Kausarl, [Hasin Anupama Azhari](#), Dr. Golam Abu Zakaria. Analysis of NTCP Based Radiobiological Models: A Systematic Review of Literature. National Conference on Physics 2019. 07-09 February, 2019.
- Md Abu Sahadat Hossain, [Hasin Anupama Azhari](#),MdAshikur Rahman, Hossen Mohammad Jamil,, M Monjur Ahasan, Golam Abu Zakaria. Patient Specific Quality Assurance (QA): Case of Cervical Cancer using Electronic Portal Imaging Device (EPID) and Matrix. National Conference on Physics 2019. 07-09 February, 2019.
- Md. Mokhlesur Rahman, Mohammed Shaheen Miah, Azhari Hasin Anupama, Zakaria Golam Abu Verification and Justification of Shielding Calculation for 3DCRT and IMRT National Conference Abu on Physics 2019. 07-09 February, 2019.
- Md. Rustam Alli, Md. Mokhlesur Rahman, Azhari Hasin Anupama, Zakaria Golam Abu. Acceptance Testing of a Varian Linear Accelerator for Electron and Photon Beams: National Conference on Physics 2019. 07-09 February, 2019.
- Md. Sujan Mahamud, Md. Mokhlesur Rahman, Hasin Anupama Azhari and Golam Abu Zakaria. Verification of treatment time in interstitial brachytherapy using paris system: The Bangladesh International Cancer Congress 2018 (26-27 October 2018), Army Golf Club, Dhaka organized by Oncology Club.
- Md. Hafizur Rahman, Md. Mokhlesur Rahman, Mr. Suresh Poudel, Hasin Anupama Azhari and Golam Abu Zakaria. Comparison between Hybrid IMRT and VMAT in cancer of Lung: A dosimetric study:3<sup>rd</sup> Young Scientist Congress Challenging Research by Young Scientists organized by Bangladesh Academy of Science, National Museum of Science and Technology Bhaban, Dhaka, Bangladesh.
- Pradeep Baral, [Hasin Anupama Azhari](#), Bai Xue and Golam Abu Zakaria. Dosimetric comparison of fixed beam Intensity modulated radiation therapy, Volumetric modulated ARC therapy for and helical tomotherapy using stereotactic body radiation therapy for treatment of non-small cell lung cancer: 3<sup>rd</sup> Young Scientist Congress Challenging Research by Young Scientists organized by Bangladesh Academy of Science, National Museum of Science and Technology Bhaban, Dhaka, Bangladesh.
- Suman Kumar Badal, [Hasin Anupama Azhari](#), Bai Xue and Golam Abu Zakari Dosimetric comparison of helical Tomotherapy, Volumetric Modulated ARC therapy and fixed gantry intensity modulated radiation therapy using simultaneous integrated boost technique for nasopharyngeal cancer cases: 3<sup>rd</sup> Young Scientist Congress Challenging Research by Young Scientists organized by Bangladesh Academy of Science, National Museum of Science and Technology Bhaban, Dhaka, Bangladesh.
- [Rahman MM](#), [Azhari HA](#), [PoudelS](#), .....et al, A Hybrid IMRT Technique for Treatment

- of Breast Cancer: A dosimetric Study Program and Abstracts, Bangladesh international cancer Congress 26-27 October 2018, Oncology Club, Dhaka, Bangladesh.
- Mahamud MS, Azhari HA, et al, Verification of Treatment Time in Interstitial Brachytherapy using Paris System, Bangladesh international cancer Congress 26-27 October 2018, Oncology Club, Dhaka, Bangladesh.
  - Islam MM, Zakaria GA, Azhari HA, et al, On Line Dose Verification for IMRT Technique Using EDose Software, Verification of Treatment Time in Interstitial Brachytherapy using Paris System, Bangladesh international cancer Congress 26-27 October 2018, Oncology Club, Dhaka, Bangladesh.
  - Hasin Anupama Azhari, New Developments in Image based Gynaecological Brachytherapy, Invited lecture; 17th Asia-Oceania Congress of Medical Physics "AOCMP - 2017" In conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON - 2017" 4th - 7th November 2017, Jaipur, India.
  - Hasin Anupama Azhari, Medical Physics Contribution to Women's Health and Radiation Safety, Invited lecture; 17th Asia-Oceania Congress of Medical Physics "AOCMP - 2017" In conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON - 2017" 4th - 7th November 2017, Jaipur, India.
  - H. A. Anupama, K.T. Afrin, N. Karmaker; Education, Career and Profession of medical Physics for Women in Bangladesh: Problems And Perspective; Invited lecture 17th Asia-Oceania Congress of Medical Physics "AOCMP - 2017" In conjunction with 38th Annual Conference of Association of Medical Physicists of India "AMPICON - 2017" 4th - 7th November 2017, Jaipur, India.
  - Nupur Karmaker, **Hasin Anupama Azhari**, Md Akhtaruzzaman, Golam Abu Zakaria "Present Status of Medical Physics Education in Bangladesh" International Conference on Advances in Radiation Oncology #ICARO2, Austria, Vienna, June 2017. Contribution ID:129.
  - K.T. Afrin, N. Karmaker, **H.A. Anupama** "MP Education, Profession and Career for Women in Bangladesh: Problems and Perspective" 38<sup>th</sup> Annual Conference of Association of Medical Physicist of India (AMPICON 2017), 4<sup>th</sup> -7<sup>th</sup> November 2017, Jaipur, India.
  - **H.A. Anupama**, N. Karmaker "Medical Physics Contribution in Women Health and Safety" 38<sup>th</sup> Annual Conference of Association of Medical Physicist of India (AMPICON 2017), 4<sup>th</sup> -7<sup>th</sup> November 2017, Jaipur, India.
  - N. Karmaker<sup>1</sup>, **HA Azhari**<sup>1</sup>, A. Islam<sup>2</sup>, G. A. Zakaria<sup>1,3</sup> "Machine Specific Quality Control (QC) of Three Dimensional Conformal Radiotherapy (3DCRT) Technique for Linac: A Practical Proposal for Radiotherapy Centres in Bangladesh" Day Long Seminar and AGM of Bangladesh Medical Physics Society (BMPS) 2017", 04 August 2017, Dhaka, oral presentation.
  - Hensley Frank, Volker Steil, Hasin Anupama Azhari/ Flavia Molina, Golam Abu Zakaria Session 34: Medical physics and biomedical engineering in the developing countries – Education and profession, **Published Online:** 2017-09-01 | **DOI:** <https://doi.org/10.1515/bmt-2017-5055>
  - **H.A. Azhari**, Computer in Medical Physics: Application in Radiation Therapy International Conference on Medical Engineering, Health Informatics and Technology, (MediTec 2016), December 17-18, **2016**, Dhaka, Bangladesh.
  - **H.A. Azhari**, Medical Physics Education in South Asia: Problems and Perspectives, 8-12 December, Thailand, Medical Physics International Journal,



Vol.4, No.2, 2016.

- Md. Rustam Ali, Nazrul Islam, [Hasin Anupama Azhari](#)....et al, Acceptance Testing of A Varian Linear Accelerator For Electron And Photon Beams: 11<sup>th</sup> SFO International Cancer Conference & BCC 2016, Oncology Club,19-20 November, 2016, P (140), [PosterPresentations].
- Sankor Bala, Kumaresh Chandra Paul, [Hasin Anupama Azhari](#)....et al, The Simulation Os PDD With Different SSD in Co- 60 And 10Mv Photon Beam Using EGSNRC Monte-Carlo Code: 11<sup>th</sup> SFO International Cancer Conference & BCC 2016, Oncology Club,19-20 November, 2016, P (140), [Poster Presentations].
- Md. Nazmul Islam, Zakaria Golam Abu, [Azhari Hasin Anupama](#),....et al, Proposal for a Suitable Mechanical and Safety Quality Control Procedure of Photon Energy Based on Three International Guidelines For Bangladesh: 11<sup>th</sup> SFO International Cancer Conference & BCC 2016, Oncology Club,19- 20 November, 2016, P (140), [Poster Presentations].
- Md. Hafizur Rahman, Zakaria Golam Abu, [Azhari Hasin Anupama](#),....et al, Deep Inspiration Breath Hold Techniques With Homemade LPT System For Left Breast Cancer Comparison Between 3DCRT and IMRT: BSRO & BMPS, 24-25 September, 2016, P (25), [Poster Presentations].
- [H.A. Azhari](#), Improvement of education and profession of medical physics in Bangladesh- a DAAD project, WG: 22. Jahrestagung der Deutschen Gesellschaft für Radioonkologie 16-19 June 2016, Mannheim, Germany.
- [H.A. Azhari](#), Problems, perspectives and possible solutions in education, International Conference on Medical Physics, Mini-Symposium; Women in Medical Physics: Education and Profession Bangkok, Thailand, 9-12 December 2016.
- Md. Mokhlesur Rahman, [Hasin Anupama Azhari](#), Mahmudul Hassan, G A Zakaria, Deep inspiration breath hold technique to reduce heart dose and lung dose for left breast Radiotherapy 72<sup>th</sup> Annual scientific Congress of Japanese Society of Radiological Technology (JSRT), pp 14<sup>th</sup> to 17<sup>th</sup> April 2016.
- M.R. Uddin, M.M. Rahman, [H.A. Azhari](#), G.A. Zakaria and M.A. Islam: Delivery Verification of Absolute Dose and Dose Distribution in IMRT for Prostate Cancer, National Conference on Physics Research and Education in Bangladesh, Bangladesh Physical Society, April 2015.
- M. A. A. Mashud, [H.A. Azhari](#), M. Tariquzzaman, and G.A. Zakaria: Image Based Gynecological Brachytherapy: A New Approach to Treatment Cervix Cancer, International Conference on Advances in Physics 2015, Organized by: Department of Physics, University of Rajshahi & Bangladesh Physical Society, 18-19<sup>th</sup> April 2015.
- [H.A. Azhari](#), World Congress on Medical Physics and Biomedical Engineering Capacity Building of Medical Physics in Bangladesh IUPESM 2015 World Congress on Medical Physics & Biomedical Engineering [WWW.WC2015.ORG](http://WWW.WC2015.ORG), June 7- 12<sup>th</sup> Toronto, Canada, 2015.
- Nupur Karmaker, [Hasin Anupama Azhari](#), Abdul Al Mortuza, Abhijit Chanda, Golam Abu Zakaria. Kinematic Analysis of Human Gait for Typical Postures of Walking, Running and Cart pulling. 17<sup>th</sup> International Conference on Biomedical Engineering Systems and Technologies, Los Angeles, USA, 28-29<sup>th</sup> September, 2015 [Oral presentation].
- [Azhari H. A](#), X. Di, Hartmann G. H., Zakaria G. A, "Combination of External beam Radiotherapy and Brachytherapy: A suggestion for Ranking treatment Plans using Physical as well as Biological criteria", International conference on

- Medical Physics in Radiation Oncology and Imaging (ICMPROI-2014), BSSMU, Dhaka, Bangladesh, 20-22<sup>nd</sup> August, IV 17, pp-52, **2014**.
- **Azhari H. A.**, "Conformal HDR Brachytherapy for Prostate Cancer: Comparison between Boost and Monotherapy", Programs & Abstracts, 2<sup>nd</sup> Annual Conference of Bangladesh Medical Physics Society (ACBMPS-2013), 15-16<sup>th</sup> March **2013**.
  - M. Akhtaruzzaman, **H. A. Azhari**, G. A. Zakaria Medical Physics in Bangladesh: Education and Profession, 7<sup>th</sup> SFO International Cancer Conference, Radisson Hotel, 14-15<sup>th</sup> December, **2012**.
  - **Azhari H. A.**, Zakaria G. A.: "Recent Advancement of Medical Physics in Radiation Oncology and Imaging", (IV-12), International Conference on Women in Science, Engineering and Technology: Local and Global Perspective (ICWSET-2012)", 2 – 4 February 2012, Dhaka University, Dhaka, Bangladesh, 2 – 4<sup>th</sup> February, pp- 28, **2012**.
  - M. Akhtaruzzaman, K. C. Paul, **H. A. Azhari**, G. A. Zakaria, G. H. Hartmann: "Present Status and Future Development of Medical Physicists in Bangladesh", J Biomed Phys Eng 2011; 1 (suppl 1), 1<sup>st</sup> MEFOMP International Conference of Medical Physics, in Shiraz, Farz, Iran, 2 – 4, pp-S92, November **2011**.
  - **Hasin A. A.**, Hensley F., Schuette W., Zakaria G.A.: "Clinical reference dosimetry of HDR after loading units with Ir-192 and Co<sub>60</sub> photon energy sources: Comparison of Reference Air Kerma Rate standard protocols IAEA-TECDOC 1274, AAPM Report 41, DIN 6809-2", Abstract Proceedings, (IV-05), International Seminar cum Workshop on Standards & Applications of Radiation Dosimetry (SSDL), Cancer Diagnosis and Radiotherapy Treatment Planning, 21-22<sup>th</sup> December, Bangladesh Atomic Energy Commission, Dhaka, Bangladesh, pp -24, **2011**.
  - Akhtaruzzaman M., Paul K.C., **Azhari H.A.**, Hartmann G. H., Zakaria G. A.: "Medical Physics Education & Medical Physicist in Bangladesh", Abstract Proceedings, (OP-07), International Seminar cum Workshop on Standards & Applications of Radiation Dosimetry, Cancer Diagnosis and Radiotherapy Treatment Planning, Bangladesh Atomic Energy Commission, Dhaka, Bangladesh, 21-22 December, pp-28 **2011**.
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### Declaration

I hereby, declare that the statements made by me in the curriculum vitae are true, complete and correct to the best of my knowledge and behalf.



Date: 30<sup>th</sup> May, 2021

Prof. Dr. Hasin Anupama Azhari