Scientific Publications of Prof. Dr. Abdus Sattar Mollah

A. Papers Published in Journals/Proceedings

Interational

I1.	**A. S. Mollah**, M. M. Rahman and S.R. Husain, "Distribution of gamma emitting radionuclides in soils at the Atomic Energy Research Establishment, Savar, Bangladesh", Health Physics, Vol.50, 835 (1986)(USA).
I2.	**A. S. Mollah**, G. U. Ahmed, S. R. Husain and M. M. Rahman, "The natural radioactivity of some building materials used in Bangladesh**",** Health Physics, Vol.50, 849 (1986)(USA).
I3.	**A. S. Mollah**, S. R. Husain and M. M. Rahman, "Environmental gamma radiation from deposited fallout ^{137}Cs", Indian Jour. Of Pure & Appl. Physics, Vol.24, 211 (1986)(India).
I4.	**A. S. Mollah**, S. R. Husain and M. M. Rahman,"Environmental gamma radiation measurements by TLD in and around AERE, Dhaka", Radiation Protection Dosimetry, Vol.14, 261 (1986)(UK).
I5.	**A. S. Mollah**, M. M. Rahman, A. Koddus, S. R. Husain and M. A. Malek, "Measurement of high background radiation level by TLD at the coastal areas of Cox's Bazar in Bangladesh", Radiation Protection Dosimetry, Vol, 18(1), 39 (1987)(UK).
I6.	**A. S. Mollah** and M. M. Rahman, "Measurement of gamma activity from fallout ^{137}Cs in the environmental samples at AERE in Bangladesh", Bulletin of Radiation Protection, Vol. 10(4), 3, (1987)(India).
I7.	S. I. Bhuiyan, F. U. Ahmed, **A. S. Mollah**, M. Rahman and M. Azizur Rahman, "Neutron transport and shielding properties studies of POLY-BORON and ILMENITE-MAGNETITE concrete developed locally with indigenously resources", Proc. Of the 7th Inter. Conference on Radiation Shielding, Vol. 2, 560 (1988)(UK).
I8	**A. S. Mollah**, S. C. Das, A. Begum, M. M. Rahman and M. A. R. Molla, "Indoor gamma radiation exposure at the Cox`s bazar coastal areas**",** Radiation Protection Dosimetry, Vol. 27(1), 43 (1989)(UK).
I9.	S. I. Bhuiyan, F. U. Ahmed, **A. S. Mollah** and M. A. Rahman, "Studies on the neutron transport and shielding properties of locally developed shielding material: POLY-BORON", Health Physics, Vol. 57, 819 (1989) (USA).
I10.	**A. S. Mollah** and M. M. Rahman,"Environmental surveillance for radionuclide contamination utilizing high resolution intrinsic germanium detector", Proc. Of the IAEA/FAO/WHO International Symposium on Environmental Contamination Following a Major Nuclear Accident, IAEA-SM-306,Vol. I, 472, 1990 (Austria).
I11.	**A. S. Mollah**, M. M. Rahman, M. A. R. Molla, S. C. Das and Y. Akan, "Measurements of radiation levels by TLD in the mineral processing plant in Bangladesh", Radiation Protection Dosimetry, Vol.34, 223(1990)(UK).
I12.	**A. S. Mollah**, N Vana, M. Fugger and H. Bock, "Determination of the decay characteristics of residual radiation intensity in the thermal column of the Vienna TRIGA Mark II reactor", Proc. Of the 11th European TRIGA Users Conference, Heidelberg, TOC-22, Section 2, pp.1-8 (1990)(Germany).
I13.	**A. S. Mollah**, N. Vana, M. Fugger and H. Bock, "The gamma and neutron dose measurements in the spent fuel elements of a TRIGA Mark II reactor", Proc. Of the International seminar on Spent Fuel Storage, Safety, Engineering and Environmental Aspects, International Atomic Energy Agency, Vienna, IAEA-SR-171/2 (1990)(Austria).
I14.	**A. S. Mollah**, "Measurements of radioactivity in some beach sand minerals", Bull. Of Radiation Protection, Vol. 13(3 & 4), 14(1990)(India).
I15.	S. I. Bhuiyan, F. U. Ahmad, **A. S. Mollah**, M. A. Rahman and M. M. Rahman, "Studies of neutron shielding properties of ilmenite-magnetite concrete using a Cf-252 source", Nuclear Technology, Vol. 93, 357 (1991)(USA).
I16.	M. R. Amin, M. Siddique, M. M. Raman and **A. S. Mollah**, "Evaluation of the locally available white perspex as a dosimeter in radiation processing", Proc. Of the Int. Symposium on High Dosimetry in Radiation Processing, IAEA-SM-374/2, p.55, (1991)(Austria).
I17.	M. R. Amin, **A. S. Mollah**, M. M. Rahman and M. Siddique, "Radiation dosimetry using locally available perspex in the range of 5-35 kGy", Nuclear Science Journal, Vol. 24, 283(1991)(Republic of China).
I18.	**A. S. Mollah**, "Detection of radioactive products in the cooling system of the Bangladesh research reactor", Proc. Of the 3rd Asian Symposium on Research Reactor, JAERI-M 92-028, 457(1992)(JAPAN).
I19.	F. U. Ahmed, S. I. Bhuyian, **A. S. Mollah** and M. A. Rahman, "Measurements of gamma-ray shielding properties of ilmenite-magnetite concrete and poly-boron slabs using Cf-252", Nuclear Technology, Vol. 98, 379(1992)(USA.).
I20.	**A. S. Mollah**, G. U. Ahmad and S. R. Hussain, "Measurements of neutron shielding properties of heavy concretes using a Cf-252 source", Nucl. Engg. And Design, Vol. 135, 321(1992)(Holland).
I21.	**A. S. Mollah** and M. M. Rahman, "Locally manufactured incandescent gas mantles that contain thorium: source term, doses and risk assessment", Proc. of the International Workshop on "Radium, Uranium, Thorium and Related Nuclides in Industry and Medicine: History and Current Uses", Austria, October 1-3, 1991, Health Physics, Vol. 64, 202(1993)(USA) (Abstract).

I22.	**A. S. Mollah** and M. M. Rahman, "Evaluation of radiological hazards in the beach sand mineral processing plant at Cox's bazar", Radiation Protection in Australia, Vol. 11(3), 97(1993)(Australia).
I23.	**A. S. Mollah** and M. M. Rahman, "Radioactive waste management and practice in Bangladesh", Proceedings of the 1993 Int. Conference on Nuclear Waste Management and Environmental Remediation, The American Society of Mechanical Engineers (ASME), Vol.3, 617(1993)(USA).
I24.	S. I. Bhuiyan, F. U. Ahmad, **A. S. Mollah**, M. R. Sarder, Q. Huda and M. Rahman,"Transport studies and shielding effectiveness of poly-boron and ilmenite-magnetite concrete for neutrons from reactor beam", Proc. Of the 8th International Conference on Radiation Shielding(ICRS8), 24-28 April, Vol. 1, pp.59(1994)(USA).
I25.	**A. S. Mollah**, N. Vana, M. Fugger and G. U. Ahmad, "A study on neutron and gamma-ray responses of laboratory made LiF:Mg, Ti single crystal TLD, Proc. Of the 9th International Conference on Radiation Protection (IRPA9), Vol. 4, 373 (1996) (Austria).
I26.	**A. S. Mollah**, "Assessments of internal doses by ingestion of radioactive foodstuffs in Bangladesh", Proc. Of the 9th Int. Conf. on Radiation Protection (IRPA9), Vol. 2, 234 (1996) (Austria).
I27.	M. M. Rahman, **A. S. Mollah**, K. Alam, Aleya. Begum and S. Islam, "Development of improved radioactive effluents treatment technology by precipitation and ion exchange and the related analytical control system", IAEA-TECDOC-929, 129 (1997)(Austria).
I28.	**A. S. Mollah** and Matiur Rahman, "Thermoluminescence dosimetry in medical applications", Physica Medica, Vol. XIII (suppl. 1), 126 (1997)(Italy).
I29.	**A. S. Mollah**, M. Idrish Miah, Aleya Begum and A. Yunus, "Measurements of environmental background radiation levels by TLD in and around the JahangirnagarUniversity campus", Radiation Protection and Environment, Vol. 20(4), 193 (1997)(India).
I30.	**A. S. Mollah**, "Radiation protection and safety aspects of brachytherapy medical personnel", Proc. Of the 1998 ANS Radiation Protection and Shielding Conference, Vol. II, 269, (1998)(USA).
I31.	**A. S. Mollah**, G. U. Ahmad and N. Vana, "A study on neutron-gamma mixed field dosimetry and dose mapping in the tangential beamport using a thermoluminescent dosemeter (TLD)", Proc. of the 1998 ANS Radiation Protection and Shielding Tropical Conference, Vol. I, 98, (1998)(USA).
I32.	S. I. Bhuiyan, **A. S. Mollah**, F. U. Ahmad, Q. Huda and A. Hossain "Shielding aspects for installation of brachytherapy source at DMCH, Dhaka", Proc. Of the 1998 ANS Radiation Protection and Shielding Tropical Conference, Vol. II, 416, (1998)(USA).
I33.	Q. Huda, S. I. Bhuiyan, F. U. Ahmad, **A. S. Mollah**, and M. A. W. Mondal, "MCNP4B verification on experimental studies of neutron shielding properties of ilmenite-magnetite concrete and polyboron using a Cf-252 source", Proc. of the 1998 ANS Radiation Protection and Shielding Tropical Conference, Vol. II, 187, (1998)(USA).
I34.	**A. S. Mollah**, Aleya Begum and M. M. Rahman, "Removal of radionuclides from low-level radioactive liquid wastes by precipitation", J. of Radioanal. Nucl. Chem. Vol 229(1-2), 187(1998)(Hungary).
I35.	**A. S. Mollah**, Aleya Begum and S. M. Ullah, "Determination of soil-to-plant transfer factors of ^{137}Cs and ^{90}Sr in the tropical environment of Bangladesh", Radiation and Environmental Biophysics, Vol. 37(2), 125 (1998) (Germany).
I36.	**A. S. Mollah** and S. M. Ullah, "Determination of distribution coefficient of ^{137}Cs and ^{90}Sr in soil from AERE, Savar", Waste Management, Vol. 18(4), 287 (1998)(USA).
I37.	**A. S. Mollah**, "Radiation protection management for the Atomic Energy Research Establishment 3MW TRIGA Mark-II research reactor, Savar, Bangladesh", Radiation Protection Management, Vol. 15(4), 43 (1998)(USA).
I38.	Aleya Begum, M.A.R. Molla, G. U. Ahmad and **A. S. Mollah**, "Determination of plutonium in some environmental and biological samples by alpha spectrometry", Radiation Protection in Australasia, Vol. 15(3/4), 63(1998)(Australia).
I39.	**A. S. Mollah**, Md. Maniruzzaman Khan and M. A. Zaman, "An assessment of patient exposure and radiation protection aspects in diagnostic radiology", Journal of Medical Physics, Vol. 23(4), 283(1998)(India).
I40.	F. U. Ahmad, S. I. Bhuiyan, **A. S. Mollah**, M. R. Sarder, Q. Huda and M. A. W. Mondal, "Studies on the shielding properties of polyboron and ilmenite-magnetite concrete using a reactor neutron beam", Nuclear Technology, Vol. 126, 196 (1999)(USA).
I41.	**A. S. Mollah**, "Neutron and gamma-ray dose distribution in and around the neutron radiography facility of 3MW TRIGA Mark-II reactor at AERE, Savar", Radiation Protection Management, Vol. 16(4), 41(1999) (USA).
I42.	A.K. Siddique, M.R. Amin, N.A. Chowdhury, F. Begum, **A. S. Mollah**, R.A. Molla and A.H. Chowdhury, "Development of standardised methods to verify absorbed dose of irradiated fresh and dried fruits, tree nuts in trade", IAEA-TECDOC-1201, 41 (2001)(Austria).
I43.	**A. S. Mollah** and Aleya Begum, "A study on transfer factors of ^{60}Co and ^{65}Zn from soil to plants in the tropical environment of Bangladesh", Environmental Monitoring and Assessment, Vol. 68, 91(2001) (The Netherlands).
I44.	**A. S. Mollah**, "Radiation shielding design based on an empirical model for diagnostic x-ray facilities", Jour. of Medical Physics, Vol. 26(3), 139 (2001)(India).
I45.	**A. S. Mollah**, N. U. Bhuiyan and S. Rahman, "IAEA/WHO TLD postal dose intercomparison results in Bangladesh", Jour. Of Medical Physics, Vol. 26(3), 179 (2001)(India).
I46.	M.J. Frissel, D.L. Dev, M. Fathony, Y.M. Lin, **A. S. Mollah**, N.T. Ngo and M.A. Wasserman, "Generic values for soil-to-plant transfer

	factors of radiocesium", J. Environmental Radioactivity, Vol. 58(2-3), 113(2002)(The Netherlands).
I47.	**A. S. Mollah**, "Regulatory control of radiation sources in Bangladesh", Proc. of the Int. Conference on Measures to Prevent, Intercept, and Respond to Illicit uses of Nuclear Material and Radioactive Sources, IAEA-CN-86/60, p.521, IAEA, Vienna (2002)(Austria).
I48.	G. U. Ahmad, **A. S. Mollah** and M. K. Biswas, "Assessment of patient doses during x-ray diagnostic procedures", Proc. of the First Asian and Oceanic Congress for Radiation Protection (AOCRP-1), CD version, (2002)(Korea).
I49.	**A. S. Mollah**, S.R. Chakraborty, G.U. Ahmad and Aleya Begum, "Radioactivity and radiation dose levels in some sea-beaches of Bangladesh", Proc. of the Int. Con. On Radioactivity in the Environment, CD version (2002), NRPA, (Norway).
I50.	**A. S. Mollah,** "AERE whole-body counting facility", Proceedings of the IAEA RCM on Intercomparison in-vivo counting system, IAEA-TECDOC-1334, p.69 (2003), IAEA (Austria).
I51.	**A. S. Mollah**and C. S. Karim, "Regulatory infrastructure for the control of radiation sources in Bangladesh: Present status and future", Proc. Of the Int. conference on national infrastructures for radiation safety: towards effective and sustainable system, IAEA-CN-107/16, 456(2003)(Austria).
I52.	C. S. Karim and **A. S. Mollah**, "Implementation of IAEA Model Project: Bangladesh perspectives", Proc. Of the Int. conference on national infrastructures for radiation safety: towards effective and sustainable system, IAEA-CN-107/23, 63(2003)(Austria).
I53.	**A. S. Mollah** and S. M. Rahman, "Analysis of film reject rate in the department of radiology of DhakaMedicalCollegeHospital, Dhaka, Bangladesh", J. of Medical Physics, Vol. 28(3), 116 (2003)(India).
I54.	**A. S. Mollah,** "Transport of radioactive materials in Bangladesh: A regulatory perspective", Packaging, Transport and Security of Radioactive Materials, Vol. 15(1), 57 (2004) (UK).
I55.	**A. S. Mollah**, "Analysis of the radiation protective barriers for installation of a new ^{60}Co teletherapy unit at DhakaMedicalCollegeHospital", J. of Medical Physics, Vol. 29(3), 202 (2004)(India).
I56.	Monira Begum, S. M. Ullah, **A. S. Mollah** and N. Chowdhury, "^{137}Cs- uptake into wheat (*triticum vulgare*) plants from five representative soils of Bangladesh", Environmental Monitoring and Assessment, Vol. 104, 59 (2005) (The Netherlands).
I57.	A. I. Imtiaz, Aleya Begum, **A. S. Mollah** and M. A. Zaman, "Measurements of radioactivity in books and calculations of resultant eye doses to readers", Health Physics, Vol. 88 (2), 169(2005) (USA).
I58.	S. R. Chakraborty, **A. S. Mollah**, Aleya Begum and G. U. Ahmad, "Determination of radioactivity in samples of drinking water of Bangladesh", Japanese J. Health Physics, Vol. 40(2), 191 (2005)(Japan).
I59.	**A. S. Mollah**, "National program and regulatory requirements for the radioactive waste management in Bangladesh", Proc. Of the 10th International Conference on Environmental Remediation and Radioactive Waste Management, ICEM'05-1218 (UK)(2005) [4-8 September].
I60.	**A. S. Mollah**, K. Alam, A. Koddus and Aleya Begum, "Regulatory control and management of disused radium sources in Bangladesh", Proc. of the 10th International Conference on Environmental Remediation and Radioactive Waste Management, ICEM'05-1467 (UK)(2005) [4-8 September].
I61.	**A. S. Mollah**and Aleya Begum, "Regulatory and organizational framework for safe management and disposal of radioactive waste in Bangladesh", Proc. of the International Conference on the Safety of Radioactive Waste Disposal, IAEA-CN-135/11, 47 (2005), Tokyo (Japan).
I62.	**A. S. Mollah**, "Regulatory system for control of nuclear facilities in Bangladesh", Proc. of the International Conference on Operational Safety Performance in Nuclear Installations, IAEA-CN-133/13, 61,(2005), Vienna (Austria).
I63.	**A. S. Mollah,** Aleya Begum and Roksana Begum, "Long-term follow-up after accidental gamma irradiation from a Ir-192 source in Bangladesh", Proc. of the Second Asian and Oceanic Congress for Radiation Protection, 9-13 October 2006 (CD version), page 385, Beijing (China)
I64.	**A. S. Mollah,** "Radiation safety status in medical applications of radiation in Bangladesh-An update", Proc. of the 2nd Asian and Oceanic Congress for Radiation Protection, 9-13 October 2006, Beijing, China (CD version), page 232, Beijing (China).
I65.	M. Sohelur Rahman, **A. S. Mollah,** A. Begum, M. Islam and M. A. Zaman, "Body radioactivity and radiation dose from ^{40}K in Bangladesh subjects measured with a whole-body counter", Radiation Protection Dosimetry, Vol. 130, 236 (2008) (UK).
I66.	**A. S. Mollah**, "Regulatory control and national policy of inadvertent radioactive sources in scrap metal in Bangladesh", Proc. of the International Conf. on Control and Management of Inadvertent Radioactive Material in Scrap Metal, 23-27 February 2009 (Spain).
I67.	**A. S. Mollah**, "Security of radioactive sources and nuclear materials in Bangladesh", Proc. of the International Conference on Nuclear Security, IAEA-CN-166/3P, 121, 30 March -3 April, 2009, Vienna (Austria).
I68.	**A. S. Mollah**, "Overview of Regulatory Control for Radioactive Sources and Nuclear Materials for Peaceful Applications of Nuclear Technology", Int. J. of Nuclear Law, Vol. 2(3), 175 (2009) (France).
I69.	**A. S. Mollah**and S.R. Chakraborty, "Radioactivity and radiation levels in and around the proposed nuclear plant site at Rooppur", Japanese Journal of Health Physics, Vol. 44(4), 408 (2009) (Japan).

I70.	**A.S. Mollah**, "An overview for achieving public understanding and acceptance of nuclear power: Bangladesh perspective",Proceedings of the18th International Conferenceon Nuclear Engineering – 2010, ICON EI 8-29781, Vol. 2, 381 (ASME, USA).
I71.	**A. S. Mollah**, A.H.M. R. Quddus, and M. A. Zaman, "Calculation of Patient-Specific Internal Radiation Doses Due to ^{131}I by Using IRDA Software",*Proc. Of the International Conference on Mathematics and Computational Methods Applied to Nuclear Science and Engineering (M&C 2011)* Rio de Janeiro, RJ, Brazil, May 8-12, 2011, on-line publication, Latin American Section (LAS) / American Nuclear Society (ANS)[ISBN 978-85-63688-00-2].
I72.	**A. S. Mollah** and S. M. Muraduzzaman, "Calculation of shielding and radiation doses for pet/ct nuclear medicine facility", *Proc. Of the International Conference on Mathematics and Computational Methods Applied to Nuclear Science and Engineering (M&C 2011)* Rio de Janeiro, RJ, Brazil, May 8-12, 2011, on-line publication, Latin American Section (LAS) / American Nuclear Society (ANS)[ISBN 978-85-63688-00-2].
I73.	**A. S. Mollah**, "Regulations, Policies and Strategies for LLRW Management in Bangladesh", Proc. of the WM2012 Conference, Vol. 4 of 7, p. 2935 (ISBN: 978-1-62276-308-5), February 26 – March 1, 2012, Phoenix, AZ (USA).
I74.	**A. S. Mollah**, Aleya Begum and D. Pal, "Planning, management and organizational aspects of the decommissioning of nuclear facilities in Bangladesh", IAEA TEC-DOC-1702, 13 (2013)(Austria).
I75.	A.K.M. F. Hoque, M. S. Hossain, **A. S. Mollah** and M. A. Zamman, "A study on power density due to non-ionizing radiation from wireless/telecommunication in Bangladesh", Int. Journal of Computing, Vol. 3 (1), 1 (2013) (India).
I76.	A.K.M. F. Hoque, M. S. Hossain, **A. S. Mollah** and M. A. Zamman, "A study on specific absorption rate (SAR) due to non-ionizing radiation from wireless/telecommunication in Bangladesh", American Jour. of Physics and Applications, V. 1(3), 104 (2013) (USA).
I77.	**A. S. Mollah**, ""Safety and security of radioactive sources in industrial radiography in Bangladesh", Paper accepted for publication in the WM14 Conference, March 1-5, 2014, Phoenix, AZ (USA).
I78.	**A. S. Mollah** and M. Begum, "Development of diagnostic reference level (DRL) from patient doses for conventional radiology procedures in Bangladesh", Paper accepted for presentation in the 34th National Conference of Association of Medical Physicists of India, 13-16 November 2013, Kolkata (India).
I79.	M. Abu-Jarad and**A. S. Mollah**, "Radiation safety awareness program for radiation workers and public at large in industrial radiography practices", Paper accepted for presentation in the Safety Awareness Campaign by ARAMCO, 2013 (KSA).
I80.	**A.S. Mollah**, "Distribution coefficient of Cs-137, Sr-90 and Co-60 in soils:statistical analysis on effects of soil properties", Paper presented in the 7th Int. Conference on the Chemistry and Migration behavior of Actanides and Fission Products in the Geosphere, MIGRATION'99, Sept. 26-October 1, 1999 (USA) (Abstract published).
I81.	A.S. Mollah**, "**Regulatory control and safety of radiation and radioactive sources in Bangladesh", Paper presented in the IAEA conference, IAEA-CN-86/60, 2007 (Austria) (Abstract published).
I82.	**A.S. Mollah**, "Transport of radioactive material in Bangladesh: A regulatory perspective", Paper presented in the Int. Conference on the Packaging and Transportation of Radioactive Materials (PATRAM2004), Sept. 20-24, 2004 (UK) (Abstract published).
I83.	**A.S. Mollah**, "Radiological threat reduction program efforts: six years of collaboration experience between USDOE and BAEC", Paper presented in the Fifty-first Annual Meeting of INMM, July 11-15, 2010 (USA) (Abstract published)
I84.	**A.S. Mollah**, "Strengthening of organizational infrastructure for meeting IAEA nuclear safeguards obligations: Bangladesh perspective", Paper presented in the IAEA conference, IAEA-CN-184/003, 2010 (Austria) (Abstract published).
I85.	**A. S. Mollah**, "Analysisof fission productsinairsamplesduetonuclearexplosionsource", Paper presented in the Int. Conf. on Science and Technology of CTBTO, 8-10 June 2011, Vienna (Austria) (Abstract published).
I86.	Hossain Sahadath, **Abdus Sattar Mollah**, Khorshed Ahmad Kabir and Md. Fazlul Huq, Calculation of the different shielding properties of locally developed ilmenite-magnetite (I-M) concrete, Radioprotection 50(3), 203-207 (2015)(France).
I87.	A. S. Mollah, Sabiha Sattar, M. A. Hossain, A.Z.M. Salahuddin and H. AR - Rashid, Prospects of Nuclear Energy for SustainableEnergy Development in Bangladesh*International Journal of Nuclear Energy Science and Engineering (IJNESE)* Volume 5, 28 (2015).
I88.	M. M. Ali, M. M. Zaman, M. S. Hossain, M. A. Zaman, **A. S. Mollah**, Assessment of Thyroid Radiation Doses Due To Various Iodine Radionuclides Released From Triga Mark II Research Reactor Accident, International Journal of Engineering and Advanced Research Technology (IJEART), Vol.1 (2), 16, 2015.
I89	Ripan Biswash, Hossain Sahadath, **Abdus Sattar Mollah** andMd. Fazlul Huq, Calculation of gamma-ray attenuation parameters for locally developed shielding material: Polyboron , Journal of Radiation Research and Applied Sciences. Vol.9, 16 (2016).
I90.	J. Sied, M. A. Hossain, A. Z. M. Salahuddin, A. S. Mollah and S. H. Khan, Assessment of Economic Feasibility of Nuclear Option for Newcomer Countries Using INPRO Methodology, International Journal of Scientific & Engineering Research, Volume 7, Issue 5, May-2016, p-156 .
I91.	A.Z.M. Salahuddin, Altab Hossain, R. A. Khan, M.S. Akbar and **A. S. Mollah**, An Intelligent Approach for Nuclear Security Measures on Nuclear Materials: Demands and Needs, Proc. of the IAEA Conference, 2016..

I92.	**A. S. Mollah**, Sabiha Sattar, M. Altab Hossain, M. H. Jahangir and, A.Z. M. Salahuddin, Analysis of the Institutional Framework for Radioactive Waste Management in Bangladesh, Journal of Nuclear Sciences, Vol. 3(2), 35, 2016.
I93.	Meherun Nahar, Md. Sazzad Hossain, **Abdus Sattar Mollah**, and Mir Md.Akramuzzamsan, A preliminary study of percentage breast glandularity of Bangladeshi women from mammography data,Journal of Medical Physics and Biophysics, Vol. 3, No. 1, 56, December 2016
I94.	A Hossain, S Islam, Z Rahman, AZM Salahuddin, **AS Mollah**, An intelligent flow control system of coolant for a water reactor based cooling tower Energy Procedia 160, 566-573, 2019.
I95.	F. Ahmed, N. Ara, V. Deshpande, **A. S. Mollah**, B. Almutairi, C. Goodwin, D. Kumar and S B. Alam. "CFD analyses of nanofluid coolant in a standard PWR subchannel" Proc. Of the International Congress on Advances in Nuclear Power Plants (ICAPP-2019), France, 12-15 May, 2019.
I96.	F. Ahmed, N R Remon, A K Monisha, and **A. S. Mollah,** "Deterministic Analysis of Burnup Benchmark and Isotopic Prediction in Spent Fuel Pool of a PWR Pincell Using WIMSD5b Transport Lattice Code ", 2nd International Conference on Innovation in Engineering and Technology (ICIET 2019), Dhaka, Bangladesh, 23 - 24 December, 2019.
I97	Islam, Sazirul, Mahmoud, K. A., Sayyed, M. I., Alim, Bünyamin, Rahman, Md. M., **A. S. Mollah,** Study on the radiation attenuation properties of locally available bees-wax as a tissue equivalent bolus material in radiotherapy**,** Radiation Physics and Chemistry, Volume 172, article id. 108559, 2020**.**
I98.	F Ahmed, N Ara, V Deshpande, **AS Mollah**, PK Bhowmik, CFD validation with optimized mesh using benchmarking data of pebble bed high-temperature reactor, Progress in Nuclear Energy, Vol. 134, 103653, 2021.
I99.	F Ahmed, MA Abir, ASM Redwan, AA Bhuiyan, **AS Mollah,** The impact of D-shaped jaggedness on heat transfer enhancement technique using Al2O3 based nanoparticles, International Journal of Thermofluids, Vol. 10, 100069, 2021.
I100.	F Ahmed, MA Abir, PK Bhowmik, V Deshpande, **AS Mollah**, D Kumar, Computational assessment of thermo-hydraulic performance of Al2O3-water nanofluid in hexagonal rod-bundles subchannel, Progress in Nuclear Energy, Vol. 135, 103700, 2021.
I101.	F.Ahmed, Md AtreharAbir, P.K.Bhowmik, V.Deshpande and **A.S.Mollah,** Thermohydraulic performance of water mixed Al2O3,TiO2 or graphene-oxide nanoparticles for nuclear fuel triangular subchannel**,** Thermal Science and Engineering Progress,Vol. 24, 100929**,** 2021.
I102	Farid Ahmed ,Md Minaruzzaman Sumon , Muhtasim Fuad , Ravi Gugulothu and **AS Mollah**, Numerical Simulation of Heat exchanger for analyzing the performance of parallel and counter flow, WSEAS TRANSACTIONS on HEAT and MASS TRANSFER, Volume 16, 145-152, 2021 DOI: 10.37394/232012.2021.16.17.
I103.	Borhan, Ridhita, Hossain, Hasibul and **Mollah, A. Sattar**, Conceptual design and gamma ray shielding analysis of a spent fuel transportation cask for TRIGA Mark II research reactor, Proceedings of the European Nuclear Young Generation Forum, ENYGF'21, September 27-30, 2021, Tarragona, Spain.
I104.	Shamsun Nahar Raka, **Abdus Sattar Mollah**, and Jannatul Ferdous, Measurement of Internal Dosimetry for Occupational Radiation Workers of I-131 Using Biokinetic Model, Proc. of the (paper selected as Young Participant Award US$500) the 20th Annual General Meeting of the Asian Regional Cooperative Council for Nuclear Medicine, *2021.11.01 ~ 2021.11.03, Virtual meeting, 2021, Korea.*
I105.	Md. Sifatual Muktadit, D. Datta and **A. S. Mollah**, Probabilistic Fracture Mechanics Analysis of the Beltline of A PWR Nuclear Power Plant Pressure Vessel, Proc. of the 2021 International Conference on Automation, Control and Mechatronics for Industry 4.0 (ACMI), **IEEE *Xplore*:** 08 September 2021, **DOI:** 10.1109/ACMI53878.2021.9528105.
I106.	Md. Imtiaj Hossain, Yasmin Akter, Mehraz Zaman Fardin, and **Abdus Sattar Mollah**, Neutronics and burnup analysis of VVER-1000 LEU and MOX assembly computational benchmark using OpenMC Code, Nuclear Energy and Technology 8(1): 1–11 DOI 10.3897/nucet.8.78447 , Russia.
I107.	A. Islam, T. Ahmad and **A. S. Mollah**, Inter-Code Comparison of Computational VERA Depletion Benchmark Using OpenMC, OpenMC-ONIX and DRAGON, Atom Indonesia, Atom Indonesia Vol. 48 No. 3 (2022) 193 – 203. https://doi.org/10.17146/aij.2022.1191
I108.	Md. Imtiaj Hossain, **Abdus Sattar Mollah**, Yasmin Akter, and Mehraz Zaman Fardin, Neutronics analysis of VVER-1000 MOX core computational benchmark using OpenMC Code, Nuclear Energy and Technology, Revised copy submitted, 2023.

National

N1.	**A. S. Mollah**, M. M. Rahman and S. R. Husain and S. Roy, "Natural and fallout gamma radionuclides in soils in and around 3 MW TRIGA Mark-II research reactor", Proc. Of the Int. Conf. on Physics and Energy for Development, BPS-CON-36, 291(1985).
N2.	**A. S. Mollah**, G. U. Ahmad, S. R. Husain and M. M. Rahman,"Gamma activity in an urban environment in Bangladesh", Journal of Bangladesh Academy of Sciences, Vol. 10(1), 1 (1986).

N3.	S. R. Husain, M. M. Rahman and **A. S. Mollah**, "Spectrometric technique for measuring gamma radiation from naturally occurring radionuclides", Bangladesh Journal of Scientific Research, Vol. 4(2), 237 (1986).
N4.	**A. S. Mollah**, "Levels of natural radioactivity in fresh water fish", Journal of Bangladesh Academy of Sciences, Vol. 12(1), 107(1988).
N5.	**A. S. Mollah**, A. Begum, M. M. Rahman, and S. R. Husain, "Determination of tritium in natural water bodies by liquid scintillation spectrometer", Journal of Bangladesh Academy of Sciences, Vol. 13(1), 97 (1989).
N6.	**A. S. Mollah**, "Estimation of external gamma radiation dose from fallout in Bangladesh", The Bangladesh Journal of Scientific Research, Vol. 7(1), 99 (1989).
N7.	A. Koddus, M. M. Rahman, **A. S. Mollah**, M. Hossain and A. Malek, "Status of health Physics activities around 3MW research reactor", Proc. Of the 2nd Seminar on Operation and Utilization of the Research Reactor at AERE, Savar, p.79 (1989).
N8.	M. Alamgir, A. K. M. Sharif, A. Mannaf, **A. S. Mollah**, N. Nahar and H. Rashid, "Total analysis of water in the 3MW research reactor", Proc. Of the 2nd Seminar on Operation and Utilization of the Research Reactor at AERE, Savar, p.69 (1989).
N9.	**A. S. Mollah**, G. U. Ahmad and S. R. Hussain, "Attenuating properties of boron loaded ordinary concrete for neutron and gamma rays from Californium-252", BUET Studies, Vol. 1, 59 (1991).
N10.	M. A. Malek, M. M. Rahman, **A. S. Mollah** and S. R. Husain, "Measurement of radiation level by LiF (TLD-100) from TV sets", Nucl. Sci. and Applications, Vol. 3(1), 81(1991).
N11.	**A. S. Mollah**, M. Hossain, M. M. Rahman and A. Yunos, "A study on neutron and gamma –ray mixed field dosimetry by LiF thermoluminescence dosimeter", Nucl. Sci. and Applications, Vol. 3(2), 3(1994).
N12.	A. Begum, M. A. R. Molla, G. U. Ahmad and **A. S. Mollah**, "Determination of thorium in agricultural and biological samples by alpha spectrometry", Journal of Bangladesh Academy of Sciences, Vol. 18(2), 163 (1994).
N13.	A. Matin, S. Begum, G. U. Ahmad and **A. S. Mollah**, "A study on neutron and gamma-ray attenuation by multilayered shields", Journal of Bangladesh Academy of Sciences, Vol. 18(2), 153 (1994).
N14.	S. Roy, A. Koddus, **A. S. Mollah** and M. M. Rahman, "Decontamination of radioisotope injecting system used for the study of siltation movement in Chittagong harbour", Nuclear Science and Application, Vol. 4(1), 23 (1995).
N15.	M. N. Islam, M. M. Rahman, M. H. Ahsan, **A. S. Mollah**, and M. A. Zaman, "A study of neutron radiography parameters at the tangential beamport of the 3MW TRIGA research reactor of AERE", J. N. University Journal of Science, Vol. 19, 181 (1995)).
N16.	M. D. Hossain, **A. S. Mollah**, and M. A. Zaman, "A study on dosimetric properties of ceric-cerous and gammachrome YR dosimetric systems for high dose measurements", Proc. Of the 19thBangladesh Sci. Conf., Part-2, 319(1996).
N17.	M. D. Hossain, **A. S. Mollah**, and M. A. Zaman, "Dose mapping and dosimetry in radiation food processing", Proc. Of the 19thBangladesh Sci. Conf., Part-2, 255(1996).
N18.	**A. S. Mollah**, A. Hannan and M. A. Zaman, "Experimental studies on some dosimetric properties of TLD-100", Journal of Bangladesh Academy of Sciences, Vol. 21 (1), 49(1997).
N19.	Aleya Begum, M. A. R. Molla, **A. S. Mollah**, and G. U. Ahmad "Determination of thorium in geological samples", Journal of Bangladesh Academy of Sciences, Vol. 22(1), 7 (1998).
N20.	M. M. Rahman, **A. S. Mollah**, Aleya Begum and M. A. Zaman, "An assessment of radiation exposure level around some diagnostic X-ray installations", J. of Bangladesh Academy of Sciences, Vol. 22(2), 227(1998).
N21.	M. D. Hossain, **A. S. Mollah**, Aleya Begum and M. A. Zaman, "Standardization of dosimetry systems for low and high dose measurements in radiation technology", J. of Bangladesh Academy of Sciences, Vol. 23(1), 87 (1999).
N22.	M. D. Hossain, **A. S. Mollah**, Aleya Begum and M. A. Zaman, "Use of gammachrome YR dosemeter for dose mapping in radiation food processing", Journal of Bangladesh Academy of Sciences, Vol. 23(1), 113 (1999).
N23.	N. U. Bhuyian and **A. S. Mollah**, "Determination of absorbed dose to water in Co-60 teletherapy unit with two different dosimetry protocols", J. of Bangladesh Academy of Sciences, Vol. 23(1), 109 (1999).
N24.	Aleya Begum and **A. S. Mollah**, "A study on vertical geometric cell for electrodeposition of thorium for alpha spectrometry", J. of Bangladesh Academy of Sciences, Vol. 23(2), 243(1999).
N25.	**A. S. Mollah**, "The role of SSDL for standardisation for radiation dosimetry in radiotherapy in Bangladesh", Proceedings of the Workshop on Medical Physics in Radiotherapy and Nuclear Medicine, BUET, Dhaka, p.137 (2000).
N26.	**A. S. Mollah**, A. Hossain and K.O. Awal, "Regulatory infrastructure for occupational radiation monitoring in Bangladesh", Bangladesh J. of Radiation Protection, Vol. 1, 26 (2001).
N27.	M. S. Rahman, T. B. Kadni, S. K. Latif, A. Koddus, **A. S. Mollah**, G. U. Ahmad, and M. M. Hossain, "Dosimetry of high energy photons beams applying IAEA dosimetry protocol TRS-277 and HPA code of practice",Jahangirnagar University Journal of Science, Vol. 25, 195 (2002).
N28.	K.O. Awal and**A. S. Mollah**, "Regulatory control, radiation protection and waste safety in Bangladesh", Bangladesh Journal of Radiation Protection, Vol. 2, 9 (2002).

N29.	**A.S. Mollah**, "Medical physics related activities with ionizing radiation in Bangladesh", Bangladesh Journal of Medical Physics, Vol. 1, 59 (2002).
N30.	M.M. Rahman, M.A. Zaman and**A. S. Mollah**, "Calculation of organ doses from therapeutic uses of ionising radiation", Bangladesh Journal of Medical Physics, Vol. 1, 11 (2002).
N31.	Nahida Sultan, **A. S. Mollah,** M. A. Zaman and A.K.M. Fazlul Haque, "Evaluation of glandular doses in x-ray mammography examination", Bangladesh Journal of Medical Physics, Vol. 1, 27(2002).
N32.	M.N. Amin, M.A. Zaman and**A. S. Mollah** ,"Evaluation of absorbed doses of some thyroid patients", Bangladesh Journal of Medical Physics, Vol. 2, 7(2003).
N33.	K. Naher, **A. S. Mollah,** M.A. Zaman and M. S. Rahman, "A study of the response of gamma radiation on some radiation measuring instruments", Bangladesh Journal of Medical Physics, Vol. 2, 35 (2003).
N34.	M.A. Hossain, M.D. Hossain, **A. S. Mollah**, Aleya Begum, M. H. Khan and M. K. Hossain, "Evaluation of radiation safety aspects in Sylhet Nuclear Medicine Center", J. of Bangladesh Academy of Sciences, Vol. 27, 125(2003).
N35.	M.K. Hossain, **A. S. Mollah**, Aleya Begum, M.D. Hossain and M.A. Hossain, "Studies on radiation protection aspects in some diagnostic X-ray installations", J. of Bangladesh Academy of Sciences, Vol 27, 117(2003).
N36.	M. J. H. Khan, M. Q. Huda, **A. S. Mollah**, F. U. Ahmad, M. Sarker and S. I. Bhuiyan, "Shield design for the Brachytherapy facility at DhakaMedicalCollegeHospital", Bangladesh J. of Medical Physics, Vol. 3, 15 (2004).
N37.	M. N. Amin, M.A. Zaman and**A. S. Mollah,** "Radiation absorbed dose estimation in Tc-99m sulfur colloid for liver scan", Bangladesh Journal of Medical Physics, Vol. 3, 55 (2004).
N38.	Md. Alamgir, S. M. Ullah, **A. S. Mollah** and A. Salam, "Effect of K on transfer of Cs-137 from soil to vegetable crops in Bangladesh", Dhaka Univ. J. Biol. Science, Vol. 13(2), 203 (2004).
N39.	**A. S. Mollah** and A. Hossainl, "Analysis of occupational exposure in radiological practices in Bangladesh", Bangladesh J. of Radiation Protection, Vol. 3, 16 (2005).
N40.	**A. S. Mollah** and D. Datta, "Regulatory control of radioactive sources in Bangladesh", Bangladesh J. of Radiation Protection, Vol. 3, 25 (2005).
N41.	M. S. Hossain, M.A. Zaman and **A. S. Mollah**, "Dose calculation for biological shield of a 600 MW nuclear power reactor", Jahangirnagar Physics Studies, Vol.13, 83 (2007).
N42.	M.S. Hossain, M.A. Zaman and **A. S. Mollah**, "Dosimetric properties of Harshaw personnel monitoring badges for implementation of ICRU operational quantities", Jahangirnagar Physics Studies, Vol.14, 19 (2008).
N43.	K.F Kakolee, M.A. Hakim, **A. S. Mollah** and M.A. Zaman, "A study on physical parameters related to image quality in mammography procedure", Jahangirnagar Physics Studies, Vol.14, 55 (2008).
N44.	S.M. Ullah, M. Aktar, A. Begum**, A. S. Mollah**and S.A. Mannan, "Effect of Cs-137 on the transfer of nutrient elements and on growth of kalmi", J. Inov. Dev. Strategy, Vol. 3(3), 7 (2009).
N45.	M. Aktar, S.M. Ullah, A. Begum**, A. S. Mollah**and S.A. Mannan, "Effect of Cs-137 on the transfer of nutrient elements and on growth of lettuce", J. Inov. Dev. Strategy, Vol. 3(3), 18 (2009).
N46.	A.H.M.R.Quddus, S.M. Iqubal, M.A.Zaman and **A.S. Mollah**, "Development of IRDA software for the calculation of internal radiation dose", Bangladesh J. Nucl. Med., Vol. 13, 25 (2010).
N47.	Md. Nurul Islam, Kamila Afroj, F. Alam, **A. S. Mollah**, M. F. Kabir and Mir A. Zaman, "Patient-specific dosimetry for I-131 in normal Bangladeshi population", Bangladesh J. Nucl. Med., Vol. 13, 29 (2010).
N48.	A.H.M.R.Quddus, S.M. Iqbal, M.A.Zaman and **A.S. Mollah**, "Calculation of internal radiation doses in nuclear medicine practices by using locally developed IRDA software", Bangladesh J. Nucl. Med., Vol. 13, 89 (2010).
N49.	**A.S. Mollah**, "Assessment of nuclear medicine capabilities in responding to a nuclear/radiological emergency", Bangladesh J. Nucl. Med., Vol. 13, 87 (2010).
N50.	M. Aktar, S.M. Ullah, S.A. Mannan, A. Begum**,** M.S. Islam and**A. S. Mollah**, "Transfer of Cs-137 from soil to kalmi plant as influenced by soil pH, clay content and organic matter", J. Environ. Sci. and Natural Resources, Vol. 3(1), 175 (2010).
N51.	R. Khaton, **A. S. Mollah**, A. Begum, J.I. Khandaker and M. A. Zaman, "Measurement of radioactivity in total diet and estimation of resulting doses to population at large", Jahangirnagar University Journal of Science, Vol. 33, 133 (2010).
N52.	M. Kanti Biswas, A. S. Mollah and G. U. Ahmad, "Measurement of patient doses in some x-ray diagnostic procedures", Bangladesh Journal of Radiation Protection, Vol. 4, 11 (2010).
N53.	M. M. Ali, M. M. Zaman, M. S. Hossain, M. A. Zaman and A. S. Mollah, "Assessment of thyroid radiation doses due to various iodine radionuclides released from triga mark ii research reactor accident", Bangladesh Journal of Radiation Protection, Vol. 4, 28 (2010).
N54.	S. M. Iqubal, **A. S. Mollah**, and A. H. M. R. Quddus, "Internal Dosimetry Software for Dose Assessment Due to Inhalation of ^{131}I Radionuclide by Occupational Workers", Bangladesh J. Nucl. Med., Vol. 14, 33 (2011).

N55.	**A.S. Mollah**, S. M. Iqubaland A.H.M. R. Quddus, "RIDA—A Software Package for Internal Radioactivity and Radiation Dose Assessment in Nuclear Medicine Practices",Bangladesh J. Nucl. Med., Vol. 14, 63 (2011).
N56.	M. Begum**, A.S. Mollah,** M.A. Zaman and A.K.M.M. Rahman**, "**Quality control tests in some diagnostic X-ray units in Bangladesh", Bangladesh Journal of Medical Physics, Vol. 4(1), 59 (2011).
N57.	A.H.M.R. Quddus, M. Mokshed Ali, M.A. Zaman and **A.S. Mollah, "**Internal radiation dose assessment using IRDA software for Bangladesh subjects due to ingestion of Co-60", Bangladesh Journal of Medical Physics, Vol. 4(1), 135 (2011).
N58.	M. N. Islam, F. Alam, M. F. Kabir,**A.S. Mollah and** M.A. Zaman**, "**Bio-distribution and dosimetry of a renal agent in normal Bangladeshi subjects", Bangladesh Journal of Medical Physics, Vol. 4(1), 21 (2011).
N59.	M. Begum, **A.S. Mollah**, M. A. Zaman, M. Haq and AKM Mizanur Rahman, "A study of some physical parameters related to image quality and radiation safety in diagnostic radiology", J. of Bangladesh Academy of Sciences, Vol, 35 (1), 7 (2011).
N60.	**A.S. Mollah**and S. M. Iqubal**, "**NMPR software for calculation of radiation doses for release of patients administered 8I-131 isotope", Bangladesh Journal of Nuclear Medicine, Vol. 15(1), 70 (2012).
N61.	M. M. Ali, M. M. Zaman, M. S. Hossain, M. A. Zaman and A. S. Mollah, "Assessment of whole body external radiation doses due to ^{134,137}cs, ^{90}sr, ^{106}ru and ^{85}kr radionuclides released from TRIGA Mark II research reactor during nuclear radiological accident", Bangladesh Journal of Radiation Protection, Vol. 5, 1 (2012).
N62.	M. S. Hossain, M. A. Zaman, and A. S. Mollah, "Calculation of radiation doses from a generic type nuclear power reactor for estimation of biological shield", Bangladesh Journal of Radiation Protection, Vol. 5, 19 (2012).
N63.	A.H.M.R. Quddus, M. M. Khan, M.A. Zaman and **A.S. Mollah, "**Assessment of annual intake limit for Bangladeshis exposed to acute ingestion of Ba-133", Bangladesh Journal of Nuclear Medicine, Vol. 16 (1), 29 (2013).
N64.	Md. Moniruzzaman Khan, A.H.M.R. Quddus, M.A. Zaman and **A.S. Mollah, "**Assessment of radiation doses for lungs due to Some radionuclides releasedfrom a hypothetical nuclear power reactor accident", Bangladesh Journal of Nuclear Medicine, Vol. 17 (1), 22 (2014).
N65	**Abdus Sattar Mollah** and Meher Niger Sharmin, Dosimetric Comparison of Different 3DCRT Techniques in Left Breast CancerRadiotherapy Planning, Bangladesh J. Nucl. Med. Vol. 17 (2), 16 (2014).
N66.	M. Nahar, **A. S. Mollah** and M.A. Akramuzzaman, Development of MGDA software for calculation of patient specific mean glandular dose during mammography, Bangladesh J. Nucl. Med., Vol. 18(1), 16, January 2015.
N67.	**A. S. Mollah**, M.N. Sharmin and M. N. Uddin, Dosimetric characteristics of flattened photon beams of two elekta linear accelerators, Bangladesh J. Nucl. Med. Vol. 18(1), 78 (2015).
N68.	M. Nahar, M. Sazzad, **Abdus Sattar Mollah** and M.A. Akramuzzaman, Development of MGDA software for calculation of patient specific mean glandular dose during mammography, Bangladesh J. Nucl. Med., Vol. 18(2), 156, July 2015.
N69.	**A.S. Mollah**, AZM Salahuddin, M.A. Hossain and J. Saied, Nuclear Electricity from Nuclear Power: Clean Environment, Proc. of the Seminar on Nuclear Energy and Safety, 22 August 2015, page 23-25, MIST.
N70.	A.H.M.R. Quddus,M. M. Khan, **A.S. Mollah, and M. A. Zaman, "**Assessment of internal radiaiton dose in gastro intestial trrack for accute ingestion of Ra-226 of the people of Bangladesh, Bangladesh Journal of Nuclear Medicine, Vol. 19 (1), 38 (2016).
N71.	**A.S. Mollah,** A. Begum, M. A. Hossain and AZM Salahuddin, "Roles of nuclear medicine professionals in case of nuclear or radiological emergency in Bangladesh, Bangladesh Journal of Nuclear Medicine, Vol. 19 (1), 80 (2016).
N72.	Md. Hossain Sahadath, Ripan Biswas, Md. Fazlul Huq and**Abdus Sattar Mollah**, Calculation of gamma-ray attenuation parameters forlocally developed ilmenite-magnetite concrete, J. Bangladesh Acad. Sci., Vol. 40, No. 1, 11, 2016.
N73	**A.S. Mollah**, Sabiha Sattar, M. A, Hossain, AZM Salahuddin and S. Khan, Review and analysis of environmental impacts of different energy technologies: clean environment from nuclear energy, MIST Journal of Science and Technology, Vol. 4(1), 1, 2016.
N74.	**A.S. Mollah,** K. Rahman and D. Hossain, "Use of IAEA radiation dose criteria to asess the need for internal radiation dosimetry in Nuclear Medicince practices, Bangladesh Journal of Nuclear Medicine, Vol. 20 (1), 51, 2017.
N75.	**A.S. Mollah,** AZM Salahuddin, M. H. Jahangir and M. A. Hossain, "Use of Iradioactive sources in medical facilities: Analysis of radiation protection, safety and security issues, Bangladesh Journal of Nuclear Medicine, Vol. 20 (1), 85, 2017.
N76.	Md. Hossain Sahadath, Ripan Biswas, Md. Fazlul Huq and **Abdus Sattar Mollah**, Calculation of the Neutron Shielding Properties of Locally Developed Ilmenite-Magnetite (I-M) Concrete, Dhaka University Journal of Applied Science & Engineering, Vol. 4(1) 1-5, 2017 (January).
N77.	A. S. Mollah, PLUNC 3D Radiation Treatment Planning System (TPS): An Educational Platform for Medical Physics Students, Bangladesh Journal of Nuclear Medicine, Vol.21, No.1, 35-42, 2018.
N78.	A. S. Mollah, M. R.Quddus, and S. M. Iqubal, Internal Radiation Dose Assessment in Nuclear Medicine Practices by Using Locally Developed IRDE Software,Bangladesh Journal of Nuclear Medicine, Vol.21, No.1, 26-30, 2018.
N79.	A. S. Mollah, PCTRAN: Education Tool for Simulation of Safety and Transient Analysis of a Pressurized Water Reactor, International Journal of Integrated Sciences & Technology 3, 1-10 (2018).

N80.	A. S. Mollah, Evaluation of gamma radiation attenution characteristics of diferent type shielding materials used in nuclear medicine services,Bangladesh Journal of Nuclear Medicine, Vol.21, No.2, 108-114, 2018.
N81.	M. S. Hossain, A. S. Mollah, Meherun Nahar, M. N. Islam and A. K. M. F. Hoque, Analysis of Neutrons and Gamma Rays Doses of a Fission Reactor with Different Thermal Powers, Bangladesh Journal of Physics, Volume 23 & 24, June & December, 95-104, 2018.
N82.	A.H.M. Ruhul Quddus , Ali Zafar Chowdhury and **A.S. Mollah**, Organ Specific Internal Radiation Dose due to Acute Ingestion of U-238 Contaminated Food by Bangladeshi People, National University Journal of Science Volume 3-5, 89-97, 2018
N83.	Y Noor, J Ferdous, N Ahsan, **AS Mollah**, Committed Effective Doses Received by Occupational Workers Handling Radioisotopes (^{131}I and ^{99m}Tc) at INMAS, as Assessed from Urine-Samples, The Dhaka University Journal of Science 68 (2), 161-165, 2020.
N84.	Shamsun Nahar Raka, Ferdoushi Begum and **Abdus Sattar Mollah**, Estimation of Internal Radiation Doses for Occupational Workers Due to I-131Radionuclide by Using MONDAL Software, Bangladesh J. Nucl. Med. Vol. 23 No. 1 & 2, 40-45, 2020.
N85.	A.S.M. Nasim, G. R. Khan, K. A. Erfan, and **A. S. Mollah**, Study on processing and validation of ENDF/B-VIII nuclear data library by criticality benchmark of PWR pin cells using NJOY21 and OpenMC, International Journal of Integrated Sciences & Technology **4** S (2022) 1-6, *http://www.cuet.ac.bd/IJIST/index.html*
N86	G. R. Khan, A.S.M. Nasim, K. A. Erfan, and **A. S. Mollah**, Verification of Monte Carlo Code OpenMC using VVER-1000 MOX Fuel Assembly against Criticality Benchmark Data, International Journal of Integrated Sciences & Technology **4** S (2022) 1-6 *http://www.cuet.ac.bd/IJIST/index.html*
N87.	Ariful Islam, R. Nushrat, T.A. Rahim and **A.S. Mollah**, Modeling and Validation of IAEA 3D PWR Benchmark Problem Using COMSOL Multiphysics Code International Journal of Integrated Sciences & Technology **4** S (2022) 1-6 *http://www.cuet.ac.bd/IJIST/index.html*

B. Technical Reports

B1.	A. S. Mollah, M. M. Rahman and S. R. Hussain, "Preliminary report on natural radionuclides in AERE soils", Report INST-12 (1984).
B2.	S. R. Hussain, M. M. Rahman and A. S. Mollah, "Methods for radioactivity measurements of environmental samples", Report INST-13/HPRPD-1 (1985).
B3.	M. M. Rahman, A. S. Mollah and S. R. Hussain, M. Hussain and B. Rahman, "Site description for 3 MW TRIGA Mark II research reactor at AERE", Report INST-15/HPRPD-2 (1985).
B4.	A. S. Mollah, M. M. Rahman and S. R. Hussain, "Pre-operational background radiation level in and around 3 MW TRIGA Mark II research reactor", Report INST-19/HPRPD-3 (1985).
B5.	A. S. Mollah, S. R. Hussain and J. G. Haider, "Calibration and standardization of ^{60}Co and ^{137}Cs teletherapy units at DMCH, Dhaka", Report HPRPD-TR-1(1987).
B6.	S. I. Bhuiyan, A. S. Mollah, F. U. Ahmed and M. A. Rahman, "An investigation on shielding properties of poly-boron and ilmenite-magnetite concrete using a Cf-252", Report INST- 31/RECD-4 (1988).
B7.	A. S. Mollah and M. M. Rahman, "High radiation dosimetry and standardization of newly installed 50 kCi ^{60}Co Gamma beam 650 irradiator at IFRB, AERE, Savar", Report HPRPD-TR-2(1988).
B8.	A. S. Mollah, M. M. Rahman and A. Koddus, "Environmental radiation and radioactivity monitoring data around the 3MW TRIGA Mark-II research reactor at AERE, Savar for 1987-1988", Report HPRPD-TRF-1 (1988).
B9.	A. S. Mollah, M. M. Rahman and S. R. Hussain, "Establishment of Secondary Standard Dosimetry Laboratory(SSDL) at AERE, Savar", Report HPRPD-TR-3(1989).
B10.	A. S. Mollah, M. M. Rahman and A. Koddus, "Environmental radiation and radioactivity monitoring data around the 3MW TRIGA Mark-II research reactor at AERE, Savar for 1989-1990", Report HPRPD-TRF-2 (1990).
B11.	A. S. Mollah and J. G. Haider, "Standardization of SSDL irradiators with different ion chambers", Report HPRPD-TR-4(1991).
B12.	A. S. Mollah and M. A. R. Molla, "Radiation shielding design aspects for 6 MV linear accelerator for cancer treatment at CombinedMilitaryHospital, Dhaka", HPRPD-TR-5(1991).
B13.	A. S. Mollah, M. M. Rahman and J. G. Haider, "Installation and calibration of 165 kV X-ray machine at SSDL for X-ray dosimetry", Report HPRPD-TR-6(1992).
B14.	A. S. Mollah, M. M. Rahman and J. G. Haider, "Beam qualities of X-rays for different energy with different Al, Cu and Sn filters", Report HPRPD-TR-7(1992).
B15.	S. Islam and A. S. Molllah, "Efficiency calibration of NaI(Tl) gamma-ray detectors for different source geometries using gamma emitting radionuclides", Report INST-43/RIPD-8 (1992).
B16.	A. S. Mollah and N. U. Bhuiyan, "Calibration and standardization of three 250 kV deep-teletherapy units at DMCH, Dhaka", Report HPRPD-TR-8(1993).

B17.	A. S. Mollah, M. M. Rahman and A. Koddus, "Environmental radiation and radioactivity monitoring data around the 3MW TRIGA Mark-II research reactor at AERE, Savar for 1991-1992", Report HPRPD-TRF-3 (1993).
B18.	A. S. Mollah and N. U. Bhuiyan, "Calibration and standardization of newly installed ^{60}Co teletherapy unit (7500 Ci) at DMCH, Dhaka", Report HPRPD-TR-9(1993).
B19.	A. S. Mollah and A. Latif, "Calibration and standardization of two 250 kV deep-teletherapy units at MymenshingMedicalCollege and Hospital, Mymenshing", Report HPRPD-TR-10(1994).
B20.	A. S. Mollah , S. I. Bhuiyan and M. M. Rahman, "Radiation shielding design aspects for installation of 10 MV linear accelerator for cancer treatment at Dhaka Medical College and Hospital, Dhaka", HPRPD-TR-11(1994).
B21.	A. S. Mollah , S. I Bhuiyan, A. Hossain and M. M. Rahman, "Radiation shielding design aspects for 5 Co-60 teletherapy (9000 Ci) units to be installed at five different Medical College Hospitals in Bangladesh", HPRPD-TR-12(1994).
B22.	A. S. Mollah, A. Koddus and Aleya Begum, "Environmental radiation and radioactivity monitoring data around the 3MW TRIGA Mark-II research reactor at AERE, Savar for 1993-1994", Report HPRPD-TRF-4 (1995).
B23.	A. S. Mollah and N. U. Bhuiyan, "Calibration and standardization of newly installed ^{60}Co teletherapy unit (9000 Ci) at National Cancer Research Institute and Hospital, Mohakhali, Dhaka", Report HPRPD-TR-13(1995).
B24.	A. S. Mollah, "Radiation protection and dosimetry aspects for safe handling of five moisture gauges at the Bangladesh Institute of Nuclear Agriculture(BINA), Mymenshing", HPRPD-TR-14(1995).
B25.	A. S. Mollah ,"Calibration and standardization of newly installed ^{60}Co teletherapy unit (8500 Ci) at MaymenshingMedicalCollege and Hospital, Mymenshing", Report HPRPD-TR-15(1996).
B26.	A. S. Mollah , "Calibration and standardization of newly installed ^{60}Co gamma irradiator (8.5 kCi) at BINA, Mymenshing", Report HPRPD-TR-16(1996).
B27.	A. S. Mollah, "Output dose measurement of newly installed ^{137}Cs Brachytherapy unit (afterload manual system) at Delta Medical Centre, Dhaka", Report RCWMD-TR-17(1997).
B28.	A. S. Mollah, "Output dose measurement of newly installed ^{137}Cs Brachytherapy unit (afterload manual system) at National Cancer Research Institute and Hospital, Mohakhali, Dhaka", Report RCWMD-TR-18(1997).
B29.	A. S. Mollah, A. Koddus and Aleya Begum, "Environmental radiation and radioactivity monitoring data around the 3MW TRIGA Mark-II research reactor at AERE, Savar for 1995", Report HPRPD-TRF-5 (1997).
B30.	A. S. Mollah, A. Koddus and Aleya Begum, "Environmental radiation and radioactivity monitoring data around the 3MW TRIGA Mark-II research reactor at AERE, Savar for 1996", Report HPRPD-TRF-6 (1997).
B31.	A. S. Mollah, "Radiation protection and dosimetry aspects for safe handling of three moisture gauges at the Bangladesh Road Research Laboratory, Mirpur, Dhaka", RCWMD-TR-19(1997).
B32.	A. S. Mollah , "Calibration and standardization of newly installed superficial cancer therapy X-ray (40-100 kVp) unit at Delta Medical Centre, Dhaka", Report RCWMD-TR-20(1997).
B33.	A. S. Mollah, S. I. Bhuiyan, A. Hossain and M. Haque, "Radiation shielding design aspects for installation of 10 Ci ^{60}Co Brachytherapy unit at DMCH, Dhaka", RCWMD-TR-21(1997).
B34.	A. S. Mollah, G. U. Ahmad and N. Vana, "Analysis of glow curve of some TLDs for neutron and gamma-ray mixed field dosimetry", INST-55/RCWMD-5(1997).
B35.	A. S. Mollah, R. Samina, M. Nahar, M.M. Rahman, M.A. Rahman, D. Datta, M. Ferdows, M. Kabir, S.R. Chakraborty,M. Haider and R. Begum, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Dhaka City (Govt.), Vol.7/78, November 1999 (199 pages).
B36.	A. S. Mollah, R. Samina, M. Nahar, M.A. Rahman, D. Datta, M. Ferdows, M. Kabir, S.R. Chakraborty,M. Haider and R. Begum, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Dhaka City (Private), Vol.8A/78, November 1999 (268 pages).
B37.	A. S. Mollah, R. Samina, M. Nahar, M.M. Rahman, M.A. Rahman, D. Datta, M. Ferdows, M. Kabir, M. Haider and R. Begum, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Dhaka City (Private), Vol.8B/78, November 1999 (305 pages).
B38.	A. S. Mollah, R. Samina, M. Nahar, M.M. Rahman, M.A. Rahman, M. Kabir, S.R. Chakraborty, M. Haider and R. Begum, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Dhaka City (Private), Vol.8C/78, November 1999 (325 pages).
B39.	A. S. Mollah, R. Samina, M. Nahar, M.M. Rahman, M.A. Rahman, M. Kabir, S.R. Chakraborty, M. Haider and R. Begum, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Dhaka City (Private), Vol.8D/78, November 1999 (98 pages).
B40.	A. S. Mollah, S. R. Chakraborty and M. M. Rahman, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Rajshahi City, Vol.9/78, Oct. '99 (155 pages).
B41.	A. S. Mollah, S. R. Chakraborty and D. Datta, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Barisal Divisional Town, Vol.10/78, October 1999 (142 pages).

B42.	A. S. Mollah, and M. Kabir, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Sylhet City, Vol.11/78, October 1999 (200 pages).
B43.	A. S. Mollah, M. Ferdows, M. Nahar, M. M. Rahman and S. R. Chakraborty, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of ChittagongCity (Govt.), Vol.12/78, November 1999.
B44.	A. S. Mollah, M.M. Rahman, M. Nahar, M. Ferdows, and S. R. Chakraborty, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of ChittagongCity (Private), Vol.13/78, November 1999.
B45.	A. S. Mollah and R. Samina, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of KhulnaCity, Vol.14/78, October 1999.
B46.	A. S. Mollah and M.A. Rahman, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Natore District, Vol.73/78, November 1999.
B47.	A. S. Mollah, S. Akhter and M.Nahar, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Manikgonj District, Vol.27/78, March 2000.
B48.	A. S. Mollah, Rahman Samina, S. Akhter and M. Nahar, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Comilla District, Vol.16/78, March 2000.
B49.	A. S. Mollah, D. Datta, D. Pal, M. Rahman and M.A.Imtiaz, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Dinajpur District, Vol.21/78, May 2000.
B50.	A. S. Mollah, S. Akther, R. Samina, M.M. Haider and S. AktherM.A. Rahman, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Tangail District, Vol.28/78, May 2000.
B51.	A. S. Mollah, M. Nahar, M. Ferdows, S. Hoque and S. Afroj, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Gazipur District, Vol.23/78, May 2000.
B52.	A. S. Mollah, M.Kabir, M. Rahman, R. Kabir, M.A. Imtiaz and S. Afroj, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Bogra District, Vol.18/78, May 2000.
B53.	A. S. Mollah, M.Ferdows and M.Rahman, Report on Regulatory Survey /Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Narshingdi District, Vol.72/78, May 2000.
B54.	A. S. Mollah, D. Paul and D. Datta, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Gopalgonj District, Vol.34/78, May 2000.
B55.	A. S. Mollah, M.M. Kabir, R. Kabir and S. Akhter, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Gaibandha District, Vol.33/78, May 2000.
B56.	A. S. Mollah, M. Haider, M.A. Rahman and S. Afroj, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Rangpur District, Vol.30/78,May 2000.
B57.	A. S. Mollah, D Datta and M. Ferdows, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Rangamati District, Vol.67/78, May 2000.
B58.	A. S. Mollah, M. Kabir, D. Datta, and M. Ferdows, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Chittagong District, Vol.15/78, May 2000.
B59.	A. S. Mollah and M. Rahman, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Kurigram District, Vol.43/78, June 2000.
B60.	A. S. Mollah and S. Rahman, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Munshigonj District, Vol.26/78, June 2000.
B61.	A. S. Mollah, R. Kabir, M.A. Imtiaz and M. Ferdows, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Jamalpur District, Vol.38/78, June 2000.
B62.	A. S. Mollah, M. Haider, M. Kabir and R. Kabir, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Sylhet District, Vol.29/78, June 2000.
B63.	A. S. Mollah, M.Rahman and M.A. Imtiaz, Report on Regulatory Survey /Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Khulna District, Vol.24/78, June 2000.
B64.	A. S. Mollah, M. Haider and A. Hossain, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Jhalakathi District, Vol.37/78, July 2000.
B65.	A. S. Mollah, and M.A. Imtiaz, Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Patuakhali District, Vol.42/78, July 2000.
B66.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Barishal district, Vol.19/78, 2000.
B67.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Dhaka district, Vol.44/78, 2000.
B68.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Faridpur district, Vol.22/78, 2000.

B69.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Naogoan district, Vol.59/78, 2000.
B70.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Mymenshing district, Vol.25/78, 2000.
B71.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Rajshahi district, Vol.31/78, 2000.
B72.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Bagerhat district, Vol.48/78, 2000.
B73.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Bandarban district, Vol.71/78, 2000.
B74.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Cox's 12azaar district, Vol.17/78, 2000.
B75.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Jhenaidah district, Vol.40/78, 2000.
B76.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Joypurhat district, Vol.39/78, 2000.
B77.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Khagrachari district, Vol.49/78, 2000.
B78.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Lakxipur district, Vol.51/78, 2000.
B79.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Magura district, Vol.53/78, 2000.
B80.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Moulovibazar district, Vol.56/78, 2000.
B81.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Noakhali district, Vol.63/78, 2000.
B82.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Satkhira district, Vol.75/78, 2000.
B83.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Thakurgoan district, Vol.65/78, 2000.
B84.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Chandpur district, Vol.47/78, 2000.
B85.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Nilphamari district, Vol.62/78, 2000.
B86.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Chuadanga district, Vol.66/78, 2000.
B87.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Sherpur district, Vol.76/78, 2000.
B88.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Nawabgonj district, Vol.61/78, 2000.
B89.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Hobigonj district, Vol.35/78, 2000.
B90.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Jessore district, Vol.41/78, 2000.
B91.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Sirajgonj district, Vol.77/78, 2000.
B92.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Kishorgonj district, Vol.46/78, 2000.
B93.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Borguna district, Vol.54/78, 2000.
B94.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Pabna district, Vol.64/78, 2000.
B95.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Kushtia district, Vol.50/78, 2000.

B96.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Feni district, Vol.32/78, 2000.
B97.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Madaripur district, Vol.57/78, 2000.
B98.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Shariatpur district, Vol.74/78, 2000.
B99.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Sunamgonj district, Vol.78/78, 2000.
B100.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Rajbari district, Vol.68/78, 2000.
B101.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Naraya district, Vol.58/78, 2000.
B102.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Bhola district, Vol.55/78, 2000.
B103.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Meherpur district, Vol.52/78, 2000.
B104.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Narayangonj district, Vol.20/78, 2000.
B105.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Brahmanbaria district, Vol.36/78, 2000.
B106.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Lalmonirhat district, Vol.45/78, 2000.
B107.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Netrokona district, Vol.60/78, 2000.
B108.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Panchagar district, Vol.69/78, 2000.
B109.	A. S. Mollah et al., "Report on Regulatory Survey/Inspection of Ionizing Radiation Sources in Bangladesh: X-ray Installations of Pirojpur district, Vol.70/78, 2000.
B110.	A. S. Mollah et al., "Main Report on Regulatory Survey/Inspection of Diagnostic X-ray Machines in Bangladesh", Vol.1/78, 2001.
B111.	A.S.Mollah et al., "Report on Regulatory Survey/Inspection of Nuclear Medicine Practices in Bangladesh", Vol.3/78, 2002.
B112.	A.S.Mollah et al., "Report on Regulatory Survey/Inspection of Radiotherapy Practices in Bangladesh", Vol.5 /78, 2002.
B113.	A.S.Mollah et al., "Report on Regulatory Survey/Inspection of Industrial Practices in Bangladesh", Vol.2 /78, 2002.
B114.	A. S. Mollah, "Non-ionizing Radiation Safety Guidelines for Radar/Microwave Workers", NSRC/NIR-1, 2001.
B115.	A. S. Mollah and M. Rahman, "Assessment of doses to man following an accident for the proposed nuclear power plant at Roopur", NSRC/NPPSA-1, 2001.
B116.	M.M. Rahman, R. A. Amiree, A. Hossain and A. S. Mollah, "Report on regulatory inspection of 3MW TRIGA Mark-II research reactor at AERE, Savar", NSRCD/NSS/RR-2 (2004)
B117.	A. S. Mollah, First National Report under Nuclear Safety Convention (CNS), IAEA, 2005.
B118.	A. S. Mollah, Second National Report under Nuclear Safety Convention (CNS), IAEA, 2008.
B119.	A. S. Mollah et al., "Transport of 350 kCi Co-60 gamma source from Chittagnong to AERE, Savar, Report No. 11-161009, 2009.
B120.	A. S. Mollah et al., "Dismantled and Transport of 110 Ci Co-60 gamma source from Chittagnong to AERE, Savar, Report No. 17-161010, 2010.
B121.	A. S. Mollah, Third National Report under Nuclear Safety Convention (CNS), IAEA, 2010.

C. Paper Presented in the Int. Conferences/ Seminars /Meetings, etc.

C1.	M. M. Rahman and A. S. Mollah, "Current status of secondary standard dosimetry laboratory in Bangladesh", Paper presented at the Seminar for Asia and Pacific on Calibration Procedures in Secondary Standard Dosimetry Laboratories, Kuala Lumpur, Malaysia, July 13-25 (1987).
C2.	A. S. Mollah, "The present status of radioactive waste management programme in Bangladesh", Paper presented at the Interregional Training Course on Management of Radioactive Wastes, Karlsruhe, FRG, Sept. 7- Oct.2 (1987).

C3.	A. S. Mollah, "The present status of radioactivity monitoring programme in Bangladesh", Paper presented at the Interregional Training Course on Determination of Radionuclides in Food and Environmental Samples, Karlsruhe, FRG, Oct. 17-Nov. 11 (1988).
C4.	A. S. Mollah,"Methods for neutron dosimetry and measurement: An overview", Paper presented at the Interregional Training Course on Nuclear Methods and Measurements in Reactor and Personnel Neutron Dosimetry", Riga, USSR, May 14- June 5 (1989).
C5.	M. R. Amin, A. S. Mollah, M. M. Rahman and A. K. Siddique, "The use of locally available perspex for high dose measurements", Paper presented at the 9th International Conference on Solid State Dosimetry, Vienna, Austria, November 6-10 (1989).
C6.	M. M. Rahman, A. S. Mollah, S. R. Hussain, M. A. Malek, A. Kuddus, S. Roy and S. F. Mahal, "Current status of SSDL activities in Bangladesh", Paper presented at the Regional Trainig Course on Radiation Dosimetry, Shanghai, China, Oct.9- Nov. 4(1989).
C7.	A. S. Mollah, Radiological monitoring in and around the mineral processing plant at Cox's bazar", Paper presented at the First International Symposium on Radiation Protection in the Mining, Milling and Downstream of Mineral Sands, Bunbury, Western Australia, March 19-21, (1993).
C8.	M. M. Rahman, M. K. Alam, A. S. Mollah, H. M. Khan and A. Koddus, "Investigation of ideal precipitation conditions for liquid radioactive effluents treatment by precipitation", Paper presented at the First Research Coordination Meeting(RCM) on Development of liquid waste treatment technologies, Bangkok, Thailand, May 17-21(1993).
C9.	A. S. Mollah, "Transfer of ^{137}Cs from soil to vegetable plants", Paper presented at the First RCM on Transfer of Radionculides from Air, Soil and Fresh Water to Foodchain of Man in Tropical and Sub-Tropical Environments, Jakarta, Indonesia, Nov. 1-5 (1993).
C10.	A. S. Mollah, "Study on sorption of Cs-137 by AERE soil", Paper presented at the 4th Int. conf. on Chemistry and Migration Behaviour Actinides and Fission Products in the Geosphere, Cherleston, USA, December 12-17(1993).
C11.	A. S. Mollah, "The status of safety assessment methodology for near-surface radioactive waste disposal facility", Paper presented at the Interregional Training Course on Safety assessment methodology for near-surface disposal facilities, ANL, USA, Feb.17-March 4 (1994).
C12.	A. K. Siddique, R. Amin, N. A. Chwodhury. A. Yousuf and A. S. Mollah, "Verify absorbed dose in irradiated food", Paper presented at the First RCM on Development of standardized methods to verify absorbed dose of irradiated fresh and dried fruits, treenuts in trade, Istanbul, Turkey, September 20-24(1994).
C13.	A. S. Mollah, A. Begum and S. M. Ullah,"Transfer of ^{137}Cs and ^{90}Sr radionuclides from water to fish species", Paper presented at the 2nd RCM on Transfer of Radionculides from Air, Soil and Fresh Water to Foodchain of Man in Tropical and Sub-Tropical Environments, Damuscus, Syria, Dec. 12-16 (1994).
C14.	M. M. Rahman, A. S. Mollah, K. Alam, Aleya Begum and S. Islam, "Development of low and intermediate liquid radioactive effluents treatment technology by precipitation", Paper presented at the 2nd RCM on Development of liquid waste treatment technologies, Istanbul, Turkey, Feb. 20-24 (1995).
C15.	M. M. Rahman, A. S. Mollah, M. A. Chowdhury, A. Hossain, M. Z. Hasan and M. S. Sikder, "Status of radiation sources and regulatory progress of the Banladesh", Paper presented at the Workshop on System for notification, registration, licencing and control of radiation sources and installations, Jakarta, Indonesia, April 24-28 (1995).
C16.	A. S. Mollah, "Sorption characteristics of Cs-137 and Sr-90 on AERE soil", Paper presented at 5th International Conference on Chemistry and Migration behavior Actinides and Fission Products in the Geosphere, Saint Malo, France, September 10-15(1995).
C17.	A. S. Mollah, A. Begum, Z. Hossain and M. Ullah, Transfer of ^{137}Cs and ^{90}Sr radionuclides from soil to plants", Paper presented at the 3rd RCM on Transfer of Radionculides from Air, Soil and Fresh Water to Foodchain of Man in Tropical and Sub-Tropical Countries, Istanbul, Turkey, , November 6-10 (1995).
C18.	A. K. Siddique, R. Amin, N. A. Chwodhury. A. Yousuf and A. S. Mollah, "Development of a method to Verify absorbed dose in irradiated food", Paper presented at the IAEA 2nd RCM on Development of standardized methods to verify absorbed dose of irradiated fresh and dried fruits, tree nuts in trade, Karlshruhe, Germany, July 2-5 (1996).
C19.	A. S. Mollah, "Current status of radioactive waste management in Bangladesh", Paper presented at the Project Formulation Meeting on Preparation for disposal of low and intermediate radioactive waste, Bangkok, Thailand, July 22-26 (1996).
C20.	A. S. Mollah and Matior Rahman, "Themoluminescenc dosimetry in medical applications", Paper presented at the V International Conference on Applications of Physics in Medicine and Biology, ICTP, Trieste, Italy, September 2-6 (1995).
C21.	A. S. Mollah, "The status of internal dosimetry by whole body counter", Paper presented at the First RCM on Asian Reference Phantom Intercomparison, Mumbai, India, Dec. 9-13(1996).
C22.	A. S. Mollah, A. Begum and S. M. Ullah, "Transfer of ^{137}Cs and ^{90}Sr radionuclides from soil to plants", Paper presented at the 4th (Final) RCM on Transfer of Radionculides from Air, Soil and Fresh Water to Foodchain of Man in Tropical

	and Sub-Tropical Countries, Vienna, Austria, June 22-26(1997).
C23.	A. S. Mollah, "The present status of regulatory control in Bangladesh", Paper presented at the Workshop on Occupational Radiation Monitoring, Melbourne, June 21-25, 1999.
C24.	A. S. Mollah, "The present status of security and safety of radiation sources in Bangladesh", Paper presented at the Workshop on Safety of Radiation Sources and Security of Radioactive Materials, Bangkok, Thailand, 6-10 August, 2001.
C25.	A. S. Mollah, "Status of security and safety of radiation sources in Bangladesh", Paper presented at the Workshop on Safety of Radiation Sources and Security of Radioactive Materials, Tokyo, Japan, 11-15 November, 2002.
C26.	A. S. Mollah, "Status of security and safety of radiation sources in Bangladesh", Paper presented at the Workshop on Safety of Radiation Sources and Security of Radioactive Materials, Vietnam, 6-10 November, 2003.
C27.	A. S. Mollah, "Status of regulatory control on radiation safety in Bangladesh", Paper presented at the National Coordinator's Meeting on Radiation Protection, Singapore, 9-13 March 2006.
C28.	A. S. Mollah, "Status of illicit trafficking database in Bangladesh", Paper presented at the National Coordinator's Meeting on Illicit Trafficking Database, Vienna, Austria, 27-30 May 2006.
C29.	A. S. Mollah, "Status of public exposure control in Bangladesh", Paper presented at the National Coordinator's Meeting on Public Exposure Control under the IAEA Project RAS/9/048, Myanmar, 5-9 March 2007.
C30.	A. S. Mollah, "Status of regulatory activities in Bangladesh", Paper presented at the National Coordinator's Meeting on Regulatory Forum, Vienna, Austria, 13-17 October 2007.
C31.	**A. S. Mollah**, Ashraful Islam, Sabiha Sattar, M. A. Hossain and A.Z. M. Salahuddin, Robot-based System for Monitoring of Ionizing Radiation in the Nuclear Environment, Proc. of the Int. Conf. (RAD16), Serbia (2016).
C32.	Farid Ahmad, N.M. Remon, A. K. Monisha, R. Islam and **A. S. Mollah**, A PWR pin cell burnup benchmark analysis using WIMSD5B transport lattice code, Paper presented at the 8th International Conference on Sciences, Technology and Social Sciences, 29-30 December 2018, Kuala Lumpur, Malaysia (Based on BSc Thesis).
C33.	N.M. Remon, A. K. Monisha, Farid Ahmad, R. Islam and **A. S. Mollah**, Analysis of benchmark burnup calculation of PWR fuel element using WIMSD5B code, Paper presented at the 8th International Conference on Sciences, Technology and Social Sciences, 29-30 December 2018, Kuala Lumpur, Malaysia (Based on BSc Thesis).
C34.	A. K. Monisha, N.M. Remon, Farid Ahmad and **A. S. Mollah**, Burnup benchmark analysis of PWR spent fuel element using deterministic code, Paper presented at the 8th International Conference on Sciences, Technology and Social Sciences, 29-30 December 2018, Kuala Lumpur, Malaysia (Based on BSc Thesis).
C35.	Shamsun Nahar Raka, Shanjida Aktar, Sunjida Jahan AKM Ishtyak and **A. S. Mollah**, Application of biokinetics modeling for internal dosimetry for occupational radiation workers due to I-131, Paper presented at the 8th International Conference on Sciences, Technology and Social Sciences, 29-30 December 2018, Kuala Lumpur, Malaysia (Based on BSc Thesis).
C36.	Kazi Arham Ahmed, Tonmay Saha, Samiah Hassan, Md. Amir Hossain and **A. S. Mollah**, Development of a computer program based on analytical method for preliminary core design calculations of small modular reactor (SMR), Paper presented at the 8th International Conference on Sciences, Technology and Social Sciences, 29-30 December 2018, Kuala Lumpur, Malaysia (Based on BSc project).
C37.	F. Haque and **A. S. Mollah**, Analysis of point reactor kinetics equations for different reactivity insertions for 3MW TRIGA Mark-II research reactor, Paper presented at the 8th International Conference on Sciences, Technology and Social Sciences, 29-30 December 2018, Kuala Lumpur, Malaysia (Based on MSc Thesis).
C38.	G. R. Khan, Sadia Mahjabin, **A. S. Mollah**, Md. R. Mawla· Atmospheric Dispersion Modeling for a Hypothetical Accidental Release from the 3MW TRIGA Research Reactor of Bangladesh, 22th International Conference on Nuclear Accident Monitoring Technology and Applications to be held in Singapore, SG during Jan 09-10, 2020.
C39.	**A.S. Mollah**, Md. R. Mawla, G.R. Khan, Ridhita Binte Borhan and Md. Ariful Islam, Rapid Estimation of Radiation Doses During a Nuclear Accident in Rooppur Nuclear Power Plant, 22th International Conference on Nuclear Accident Monitoring Technology and Applications to be held in Singapore, SG during Jan 09-10, 2020.
C40.	M. R. Hasan, M.J.H. Khan and **A. S. Mollah**, Analysis of Initial Criticality, Neutronic Parameters of Operational Core and Burnup calculation of 3 MW TRIGA Mark-II Research Reactor Using TRIGLAV Deterministic Code, Paper presented at the 4th Int. Conf. on Energy and Power, 11-12 December 2022, Paper ID:010
C41.	M. M. H. Rafi, Asma Ul Husna, and **A. S. Mollah**, Multilayer shielding design and analyze optimal thickness for the storage of high radioactive sources concerning environmental safety by using MATLAB software, Paper presented at the 4th Int. Conf. on Energy and Power, 11-12 December 2022, Paper ID:016.
C42.	S. Hasan, K.A. Ahmed, T. Saha, N.N. Huda and **A. S. Mollah**, Steady state thermal hydraulic analysis of a small modular pressurized water reactor, Paper presented at the 4th Int. Conf. on Energy and Power, 11-12 December 2022, Paper ID:077.
C43.	M. A. Zahid, Md. I. Mehedi, S. A. Shibly and **A. S. Mollah**, Thermal hydraulic analysis for different sub-channels of generic VVER-1200, Paper presented at the 4th Int. Conf. on Energy and Power, 11-12 December 2022, Paper ID:080
C44.	T. Saha, N.N. Huda, S. Hasan and **A. S. Mollah,** Calculation of core design parameters for small modular (SMR) using in-house

	developed computer program, Paper presented at the 4th Int. Conf. on Energy and Power, 11-12 December 2022, Paper ID:089.

D. Paper Presented in the National Conferences / Meetings/Seminars, etc.

D1.	M. A. Rab Molla, M. N. Alam, S. Roy and A. S. Mollah, "Application of high purity germanium detector in environmental monitoring", Paper presented at the 9th Bangladesh Science Conference, Dhaka, October 21-23 (1984).
D2.	M. A. Rab Molla, S. R. Bose, H. Jahan, M. N. Alam, S. Roy and A. S. Mollah, "Radioactivity in fish", Paper presented at the 9th Bangladesh Science Conference, Dhaka, October 21-23 (1984).
D3.	M. A. Koddus, S. R. Husain, M. M. Rahman, A. S. Mollah, M. A. Rab Molla and M. A. Malek, "Assessment of radiation levels around the Cox's Bazar coastal areas for evaluation of population exposure", Paper presented at the 11th Bangladesh Sci. Conf., Rajshahi, March 2-5 (1986).
D4.	M. A. Malek, S. R. Husain, M. M. Rahman, A. S. Mollah and M. A. Koddus,"Radiation dose measurements around TV sets to provide safety guidline", Paper presented at the 11th Bangladesh Science Conference , Rajshahi, March 2-5 (1986).
D5.	M. A. Malek, A. S. Mollah, and R. Amin,"Calibration of gamma beam 650 irradiation unit", Paper presented at the 12th Bangladesh Science Conference, Savar, January 10-14 (1987).
D6.	A. Koddus, A. S. Mollah, and S. R. Husain, "Radiological risks to the population at large due to radioactive fallout following Chernobyl nuclear accident", Paper presented at the 12th Bangladesh Science Conference, Savar, January 10-14 (1987).
D7.	A. Begum, F. Karim and A. S. Mollah, "An approach for the design and development of an electrodeposition cell for alpha spectrometry", Paper presented at the 13th Bangladesh Science Conference, Dhaka, May 29-31 (1988).
D8.	A. Begum, A. S. Mollah and M. A. R. Molla, "Distribution of thorium and its daughter products in monazite", Paper presented at 14th Bangladesh Sci. Conf., Gazipur, Jan. 29-Feb. 1 (1989).
D9.	M. A. Malek, M. M. Rahman and A. S. Mollah, "Assessment of quality of gamma rays of ^{137}Cs for radiotherapy", Paper presented at the Physical Society National Seminar, Dhaka, Oct. 12(1989).
D10.	A. Koddus, M. M. Rahman, S. Roy, A. S. Mollah and M. Hussain, "Safe management and disposal of radioactive wastes at the Atomic Energy Research Establishment (AERE), Ganakbari, Savar, Dhaka", Paper presented at the 15th Bangladesh Science Conference, Dhaka, June 16-19(1990).
D11.	M. A. Alamgir, M. A. Mannaf, A. S. Mollah and N. Nahar, "Analysis of TRIGA reactor pool water", Paper presented at the 15th Bangladesh Science Conference, Dhaka, June 16-19 (1990).
D12.	N. U. Bhyian, A. S. Mollah , M. M. Rahman and M. I. Ibrahimy, "Calibration of radiation protection instruments by using SSDL facilities", Paper presented at the 17th Bangladesh Science Conference, Gazipur, May 6-10 (1992).
D13.	N. U. Bhuiyan, S. A. Latif, A. S. Mollah and A. Jalil, "An assessment of variation in response with photon energy of portable radiation survey meters", Paper presented at the 18th Bangladesh Science Conference, Maymensingh , June 22-24(1994).
D14.	A. Begum, A. S. Mollah, K. Alam, T. Shimizu and A. Jalil, "A HPGe detector system for the measurement of low-level radioactivity in environmental samples", Paper presented at the 18th Bangladesh Science Conference, Maymensingh , June 22-24(1994).
D15.	A. Hannan, A. S. Mollah , M. A. Zaman and S. A. Latif, "Dosimetric porperties of TLD-100", Paper presented at the 18th Bangladesh Science Conference, Maymensingh, June 22-24(1994).
D16.	S. A. Latif, A. S. Mollah and A. Jalil, "Depth dose distribution in water phantom for X-rays", Paper presented at the 18th Bangladesh Science Conference, Maymensingh, June 22-24(1994).
D17.	M. D. Hossain, A. S. Mollah and M. A. Zaman, "Dose mapping radiation food processing", Paper presented at the 19th Bangladesh Science Conference, Savar, October 29-31(1996).
D18.	M. D. Hossain, A. S. Mollah and M. A. Zaman, "A study on dosimetric properties of ceric cerous and gamma chrome dosimetric systems for high dose measurements", Paper presented at the 19th Bangladesh Science Conference, Savar, October 29-31(1996).
D19.	M. M. Rahman, A. S. Mollah and M. A. Zaman, "Assessment of radiation exposure level around some diagnostic X-ray units", Paper presented at the 19th Bangladesh Science Conference, Savar, October 29-31(1996).
D20.	M. I. Miah, A. Yunus and A. S. Mollah, "Measurements of environmental gamma radiation by TLD in and around the Jahangirnagar University", Paper presented at the International Symposium on Recent Advances in Physics, Dhaka, March 21-23(1997).
D21.	M.N. Amin, M. A. Zaman, S.M.M. Islam and A.S. Mollah, "Estimation of external surface dose of different gamma camera patients", Paper presented at the 5th National Conference of Society of Nuclear Medicine Bangladesh, March 10, 2000.
D22.	A.S. Mollah, M.N. Amin, M. A. Zaman and S.M.M. Islam, "Estimation of internal absorbed doses by using MIRDOSE3 computer code in nuclear medicine practices", Paper presented at the 5th National Conference of Society of Nuclear Medicine Bangladesh, March 10, 2000.

D23.	A. S. Mollah, "Dose assessment to man following a severe hypothetical accident in nuclear power plant", Paper presented at the IAEA Review meeting on Site Safety Report for the proposed nuclear power plant at Roopur, Dhaka, May 2, 2001.
D24.	A. S. Mollah, "Review of dose assessment to man following a severe hypothetical accident in nuclear power plant", Paper presented at the IAEA Group meeting on Safety evaluation for the proposed nuclear power plant at Roopur, Dhaka, May 16, 2001.
D25.	A. S. Mollah, "Regulatory control of radiotherapy practices in Bangladesh", Paper presented at the 3rd National Convention of Bangladesh Society of Radiation Oncologists, Dhaka, January 25, 2002.
D26	A. S. Mollah, "Regulatory control activities in Bangladesh", Paper presented in the Workshop on Radiation Safety: Review of BAEC Activities and Future Plan, 8-10 August 2003, RTML, Chittagong.
D27.	A. S. Mollah, "Establishment of regulatory infrastructure in Bangladesh", Paper presented paper in the National Training Workshop on Planning, Selection and Design of IAEA TC Project, 26-28 August 2003, BAEC, Dhaka.
D28.	A. S. Mollah, "National legislation system on radiation safety", Paper presented in the BAEC-MEXT Technical Meeting, 27 November- 2 December 2004, BAEC, Dhaka.
D29.	D. Paul, A.S. Mollah, R. Samina, S. Akhter, M. Nehar, M. Kabir, M. Haider, M. Ferdows and R. Kabir, "Regulatory survey of radiotherapy practices", Paper presented in the Annual conference of BMPA, BUET, Dhaka, 10 December 2004.
D30.	M. Haider, A.S. Mollah, R. Samina, S. Akhter, D. Paul, M. Nehar, M. Kabir, M. Ferdows, A. Hosain and R. Kabir, "Regulatory survey of nuclear medicine practices", Paper presented in the Annual conference of BMPA, BUET, Dhaka, 10 December 2004.
D31.	M. Nehar, A.S. Mollah, R. Samina, S. Akhter, D. Paul, M. Kabir, M. Haider, M. Ferdows and R. Kabir, "Regulatory survey of x-ray facilities practices", Paper presented in the Annual conference of BMPA, BUET, Dhaka, 10 December 2004.
D32.	KH Hoever, GU Ahmad and A.S. Mollah, "Cooperation between BMPA and DGMP- 8 years experience", Paper presented in the Annual conference of BMPA, BUET, Dhaka, 10 December 2004.
D33.	A. S. Mollah, "Regulatory control activities in Bangladesh", Paper presented in the 2nd Workshop on Radiation Safety: Review of BAEC Activities and Future Plan, RTML, Chittagong , 24-25 August 2005.
D34.	A. S. Mollah, "Regulatory control system on emergency response", Paper presented in the BAEC-MEXT meeting on Emergency Response, Dhaka, 5-8 February , 2006.
D35.	A. S. Mollah, "Regulatory infrastructure for nuclear power plant (NPP)", Paper presented in the BAEC-IAEA meeting on Common Users Criteria for NPP, Dhaka, August 17-21 August 2007.
D36.	A. S. Mollah, "Regulatory requirements for implementation of nuclear power plant (NPP)", Paper presented in the BAEC-MEXT meeting on Implementation phase for NPP, Dhaka, 17-21 March 2008.
D37.	A. S. Mollah, "Radiation protection and regulatory requirements for nuclear medicine practices", Paper presented in the 13th National Conference of Society of Nuclear Medicine of Bangladesh, Khulna, 21-23 February 2008.
D38.	A. S. Mollah, "Radiation protection and regulatory requirements for nuclear medicine practices", Paper presented in the 13th National Conference of Society of Nuclear Medicine of Bangladesh, Khulna, 21-23 February 2008.
D39.	A. S. Mollah, "Assessment of nuclear medicine capabilities in responding to a nuclear/radiological emergency", Paper presented in the 15th National Conference of Society of Nuclear Medicine of Bangladesh, Bogra, 5-6 March 2010.
D40.	A.H.M.R. Quddus, S. M. Iqbal, M. A. Zaman and A. S. Mollah, "Calculation of internal radiation doses in nuclear medicine practices by using locally developed IRDA software", Paper presented in the 15th National Conference of Society of Nuclear Medicine of Bangladesh, Bogra, 5-6 March 2010.
D41.	A. S. Mollah, S. M. Iqubal and A.H.M.R. Quddus, "RIDA-A software package for internal radioactivity and radiation dose assessment in nuclear medicine practices", Paper presented in the 16th National Conference of Society of Nuclear Medicine of Bangladesh, Dhaka, 17-18 December 2010.
D42.	A.K.M F. Haque, A. S. Mollah,M.A. Zaman and SM Hossain, "Calculation of SAR due to non-ionizing radiation from mobile phone", Paper presented in the National Conference of Physical Society, Dhaka, 10-11 February 2011.
D43.	A. S. Mollah,"Lessons from radiation accident in radiotherapy practices", Paper presented in the Regional conference on medical physics, Bangladesh Medical Physics Association, Dhaka, 18 February 2011.
D44.	S. M. Yeasmin, A. S. Mollah, and N. Zaman"Radiation protection management in several X-ray installations", Paper presented in the Regional conference on medical physics, Bangladesh Medical Physics Association, Dhaka, 18 February 2011.
D45.	A. S. Mollah. and Iqubal M., "NMPR software for calculation of radiation doses for release of patients administered 17radio

	isotope", Paper presented at the 17th National Conference of SNM, Chittaogong, March 2012.
D46.	Participated and presented an invited talk on "Accident analysis in radiotherapy practices" in the International Conference on Physics in Medicine and Clinical Neuroelectorphysiology (PMCN-2015), 19-20 February, 2015.
D47.	Participated and presented a paper on "Dosimetric characteristics of flattened photon beams of two elekta linear accelerators" in the 20th Annual Conference of Society of Nuclear Medicine Bangladesh, Dhaka, 18-19 March 2015.
D48.	Participated and presented a paper on "Roles of nuclear medicine professionals in case of nuclear or radiological emergency in Bangladesh" in the 21st Annual Conference of Society of Nuclear Medicine Bangladesh, Barisal, 19-21 February 2016.
D49.	Participated and presented an invited talk on "Application of radiobiological modeling in radiation therapy for treatment plan evaluation and optimization" in the International Conference on Physics in Medicine and Clinical Neuroelectorphysiology (PMCN-2017), 10-11 March, 2017.
D50.	Participated and presented a paper on"Use of Iradioactive sources in medical facilities: Analysis of radiation protection, safety and security issues"in the 22nd Annual Conference of Society of Nuclear Medicine Bangladesh, Gazipur, 24-25 February 2017.
D51.	A. Rahman, M. M. Rahman, A. S. Mollah, N. Jahan and M. Q. Huda, Assessment of the radiological consequences of radionuclide releases from TRIGA Mark-II research reactor, Paper presented at the CUET Conf. on Sustainable Energy, Chittagong, Nov. 17-18 Nov 2017.
D52.	Atiar Rahman and A. S. Mollah, Benchmarking of IAEA 3D PWR with MSRA SRAC, Paper presented at the CUET Conf. on Sustainable Energy, Chittagong, Nov. 17-18 Nov 2017.
D53.	Fahmida Haque, N. H. Badrun, M. H. Altaf and A. S. Mollah, Limit of inserted reactivity calculation to study safety of TRIGA fuel at different cycles of core burnt, Paper presented at the Int. Conf. on Physics, Dhaka, 8-10 March 2018.
D54.	Farid Ahmed, VikramDeshpande, NusratAra and A. S. Mollah, Numerical prediction of thermal-hydraulic characteristics of Pebble Bed Modular nuclear reactor, Paper presented at the Int. Conf. on Physics, Dhaka, 8-10 March 2018.
D55.	A. Rahman, M. M. Rahman, **A. S. Mollah**, N. Jahan and M. Q. Huda, Atmospheric dispersion modeling for assessment of the radiological consequences of radionuclide releases in a research reactor accident scenario, Paper presented at the Int. Conf. on Physics, Dhaka, 8-10 March 2018.
D56.	F. Zaheeen, S. A. Ananna, JerinTasmin and **A. S. Mollah**, Development of high density concrete using locally available different aggregates for gamma-ray shielding, Paper presented at the Int. Conf. on Physics, Dhaka, 8-10 March 2018.
D57.	Fahmida Haque and **A. S. Mollah**, Modeling and simulation of reactor point kinetic equations in training nuclear science and engineering students, Paper presented at the Int. Conf. on Physics, Dhaka, 8-10 March 2018 (**Awarded Best Poster**).
D58.	Shamsun Nahar Raka, Sunjida Jahan, Shanjida Akte and **A. S. Mollah**, Assessment of internal radiation doses for occupational workers from inhalation of 131I by using MONDAL-3 software, 24th National Conference of Society of Nuclear Medicine, Bangladesh, Bangladesh J. Nucl. Med. Vol. 22 No. 1, p.84, January 2019.
D59.	A.S.M. Nasim, G.R. Rahman, A. Erfan and **A. S. Mollah**, Study on processing and validation of ENDF/B-VIII nuclear data library for criticality benchmark of PWR pin cells using NJOY21 and OpenMC, Paper presented at the 3rd Int. Conference on Physics for Sustainable development and technology (ICPSDT-2019) , CUET, Chittagong, 18-19 December 2019.
D60.	. G.R. Rahman, A.S.M. Nasim, A. Erfan and **A. S. Mollah**, Verification of Monte Carlo code OpenMC using VVER-1200 MOX fuel assembly against criticality benchmark data, Paper presented at the 3rd Int. Conference on Physics for Sustainable development and technology (ICPSDT-2019) , CUET, Chittagong, 18-19 December 2019.
D61.	R. B. Borhan, H. R. Rasheeq, M. Arefin and **A. S. Mollah**, Simulation of dynamic behavior of Xenon-135 and Sm-149 production using MATLAB code for a typical research reactor, Paper presented at the 3rd Int. Conference on Physics for Sustainable development and technology (ICPSDT-2019) , CUET, Chittagong, 18-19 December 2019.
D62.	A. Islam, R. Nushrat, T. A. Rahim and **A. S. Mollah**, Modeling and validation of IAEA 3D PWR Benchmark problem using COMSOL multiphysics code, Paper presented at the 3rd Int. Conference on Physics for Sustainable development and technology (ICPSDT-2019) , CUET, Chittagong, 18-19 December 2019.
D63.	Muntakim Mahmud Khan, Tanima Sharif, Nahid Farzana Mim, **Abdus Sattar Mollah**, M Mahfuza Khatun, Calculation of Standardized Uptake Value (SUV) from PET-CT image by using inhouse developed MATLAB software, INTERNATIONAL CONFERENCE ON PHYSICS IN MEDICINE ICPM-2020, Dhaka, Bangladesh, 6-7 February, 2020.
D64.	Fahum Nufikha Jahan, Tasnim Ahmed, Abu Sayed Muhammad Faisal, **Abdus Sattar Mollah**, M Mahfuza Khatun, Analysis of quality control of Gamma Camera SPECT System by using bar Phantom, INTERNATIONAL CONFERENCE ON PHYSICS IN MEDICINE ICPM-2020, Dhaka, Bangladesh, 6-7 February, 2020.
D65.	Md. Nazirul Huda Anik, Mosaddak Ahamed Zahid, Md. Rezwanur Rahman Ony, **A. S. Mollah**, Generation of cosine shape thermal response for thermal hydraulic test facility (THTF) heated rods by using locally developed induction heating system, Poster Presented at International Conference on Electronics and Informatics 2021, 27-28 November, 2021 at Atomic Energy Centre, Dhaka.
D66.	Mayesha Tahsin **and A.S. Mollah**, A Study on Performance of Two NaI(Tl) Detectors Using Point Radioactive Sources, Paper

	presented at International Conference on Electronics and Informatics 2021, 27-28 November, 2021 at Atomic Energy Centre, Dhaka.
D67.	M. R. Hasan, M. J. H. Khan, and **A. S. Mollah**, Analysis of Criticality of Operational Core of BAEC TRIGA Research Reactor using Deterministic Code TRIGLAV, 4th International Conference on "Physics for Sustainable Development and Technology (ICPSDT-2022), NHP-03, p.67, January22- 23, 2022, CUET, Chattogram, Bangladesh.
D68.	Ariful Islam, and **A. S. Mollah**, A study on integral parameters of BEAVRS PWR benchmark using OpenMC Monte Carlo Code, 4th International Conference on "Physics for Sustainable Development and Technology (ICPSDT-2022), NHP-04, p.68, January22- 23, 2022, CUET, Chattogram, Bangladesh.
D69.	Md. Imtiaj Hossain, Yasmin Akter, Mehraz Zaman Fardin, and **A. S. Mollah**, Neutronic Calculations of MOX Fuel for VVER-1000 whole Core benchmark Problem using OpenMC Code, 4th International Conference on "Physics for Sustainable Development and Technology (ICPSDT-2022), NHP-13, p.90, January22- 23, 2022, CUET, Chattogram, Bangladesh.
D70.	MayeshaTahsin,and **A. S. Mollah**, Design of a Portable Shielding System for a Newly Installed NaI(Tl) Detector,4th International Conference on "Physics for Sustainable Development and Technology (ICPSDT-2022), APE-14, p.117, January22- 23, 2022, CUET, Chattogram, Bangladesh.

E. Thesis Works

E1.	A. S. Mollah, "Energy levels in ^{20}F from (^{3}He, p) reaction in ^{18}O at 18 MeV", M. Sc. Thesis, Department of Physics, University of Dhaka, Dhaka (1979).
E2.	A. S. Mollah, "An investigation on the attenuation of neutrons and gamma-rays in reactor biological concrete shield", M. Phil. Thesis, Department of Physics, Bangladesh University of Engineering and Technology(BUET), Dhaka (1987).
E3.	A. S. Mollah, "Dosimetric properties of some commercially available and laboratory made TLDs for radiation dosimetry", a report submitted in partial fulfilment for the Ph. D. Comprehensive Examination, Department of Physics, BUET, Dhaka(1995).
E4.	A. S. Mollah, "Dose measurements in neutron-gamma mixed radiation field with thermoluminescence dosimeters", Ph. D. Thesis, Department of Physics, BUET, Dhaka (1996).

F. Research Abstracts Published (International)

F1.	R. Amin, M. M. Rahman, A. S. Mollah, A. H. Chowdhury, A. Koddus and M. A. Malek, "Design, development and evaluation of high radiation measurement dosimeter from locally available perspex", IAEA-Health Physics Research Abstracts, Vol. 13, 15 (1987)(Austria).
F2.	A. S. Mollah, M. M. Rahman and S. R. Husain, "Environmental radioactivity monitoring around the 3 MW TRIGA Mark II research reactor", IAEA-Health Physics Research Abstracts, Vol. 13, 116 (1987)(Austria).
F3.	S.R. Husain, M. M. Rahman, A. S. Mollah, A. Koddus, A. Malek, M. A. R. Molla, F. K. Miah and A. Jalil, "Establishment of secondary standard dosimetry laboratory (SSDL) in Bangladesh", IAEA-Health Physics Research Abstracts, Vol. 13, 15 (1987)(Austria).
F4.	A. S. Mollah, M. M. Rahman, S. Islam, H. Rahman and S. R. Husain, "Sorption of some radionuclides on soil", IAEA-Waste Management Research Abstracts, Vol. 18, 7 (1987)(Austria).
F5.	M. M. Rahman, A. S. Mollah, S. R. Husain, S. Islam, M. Rahman and A. Husain, "Studies of soil chracteristics from representative shallow land trenches for disposal of radioactive wastes in hot and humid climate", IAEA- Waste Management Research Abstracts, Vol. 18, 8 (1987)(Austria).
F6.	A. S. Mollah and M. M. Rahman, "Characteristics of direct reading pocket dosimeters", IAEA-Health Physics Research Abstracts, Vol. 14, 17 (1989)(Austria).
F7.	A. S. Mollah and M. M. Rahman, "Doses to the public from building materials and evaluation of radon concentration in dwelling in Bangladesh", IAEA-Health Physics Research Abstracts, Vol. 14, 124 (1989)(Austria).
F8.	A. S. Mollah and M. M. Rahman, "The influence of climatic parameters of external background radiation level in Bangladesh", IAEA-Health Physics Research Abstracts, Vol. 14, 221 (1989)(Austria).
F9.	A. S. Mollah, M. M. Rahman, F. Elahi, S. Islam, H. Rahman and S. R. Husain, "Studies on sorption/desorption of selected radionuclides using various soil matrice", IAEA-Waste Management Research Abstracts, Vol. 19, 124 (1988)(Austria).
F10.	M. M. Rahman, H. M. M. Khan, A. S. Mollah, A. Koddus and S. Roy, "Demonstration experiments for shallow land disposal of radioactivity contaminated skimmed milk powder and allied products", IAEA-Waste Management Research Abstracts, Vol. 20, 103(1990)(Austria).
F11.	M. M. Rahman, A. Koddus, A. S. Mollah, S. Roy and K Alam, "Inventory of radioactive wastes generated from 3 MW TRIGA Mark-II research reactor at AERE, Savar, Bangladesh", IAEA-Waste Management Research Abstract, Vol. 21, 174 (1992)(Austria).
F12.	A. S. Mollah, G. U. Ahmad and N. Vana, "Dose measurements in neutron-gamma mixed radiation field with thermoluminescence dosimeters (TLDs)", IAEA-Radiation Safety Research Abstracts, Vol. 1, 2(1995)(Austria).

G. Supervision of M. Sc. Thesis Works

G1.	A study on neutron and gamma mixed field by LiF thermoluminescence dosimeter, Roll No. Phy. 464, Session: 1987-88, 1991, JU (Supervisors: Prof. A. Yunos and **Dr. A. S. Mollah**).
G2.	Extraction of pure thermal neutron beam for a prompt gamma neutron activation analysis facility at a radial beam port of TRIGA research reactor of AERE, Savar, Roll No. 465, Session: 1989-90, 1992, JU (Supervisors: Prof. M. A. Zama, Dr. M. H. Ahsan and **Dr. A. S. Mollah**).
G3.	A study on neutron and gamma mixed field dosimetry at the neutron radiography facility at 3MW TRIGA Mark-II reactor, 1994, Roll No. Phy. 273, Session: 1990-91, JU (Supervisors: Prof. Afrozi Yonus and **Dr. A. S. Mollah**).
G4.	A study on dosimetric properties of LiF (TLD-100) thermoluminescence dosimeter, Roll No. Phy.205, Session:1991-1992, 1995, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G5.	Standardization of high radiation dosimetry systems in radiation processing, Roll No. Phy.204, Session: 1991-92, 1995, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah)**.
G6.	Measurements of environmental gamma radiation by thermoluminescence dosimetry in and around the JahangirnagarUniversity campus, Bangladesh, Roll No. Phy.197, Session: 1991-92, 1995, JU (Supervisors: Prof. Afrozi Yonus and **Dr. A. S. Mollah**).
G7.	An assessment of radiation exposure level around some diagnostic X-ray installations in Savar, Manikgonj and Dhamrai region, Roll No. Phy.230, Session: 1992-93, 1996, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G8.	Influence of soil properties on the transfer factor of Cs-137 in wheat plants, Roll No. 8315, Session: 1991-92, 1996, DU (Supervisors: Prof. S.M. Ullah and **Dr. A. S. Mollah**).
G9.	Transfer of Cs-137 from soil to vegetable crops in Bangladesh, Roll No. 8309, Session: 1991-92, 1996, DU (Supervisors: Prof. I.U. Ahmed, Prof. S.M. Ullah and **Dr. A. S. Mollah**).
G10.	An assessment of medical exposure and radiation protection aspects for different diagnostic x-ray procedures, Roll No. Phy.66, Session: 1993-1994, 1997, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G11.	A study on dosimetric properties of Harshaw personnel monitoring TLD badge for implementation of ICRU new operational quantities, Roll No. Phy.68, Session: 1992-1993, 1997, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G12.	Radioactivity in underground and commercial mineral drinking water in Dhaka city, Roll No. 58, Session:1993-94, 1997, JU (Supervisors: Prof. Dilder Hossain and **Dr. A. S. Mollah**)
G13.	Gamma spectrometric analysis of natural radioactivity in ground water, Roll No. 6905, Session: 1993-94, 1997, DU(Supervisors: Prof. A. H. Khan and **Dr. A. S. Mollah**).
G14.	Measurements of radioactivity in books, Roll No. Phy.915, Session: 1994-95, 1998, JU (Supervisors: Prof. Mir. Md. Akramuzzaman, and **Dr. A. S. Mollah**).
G15.	A study on dose distribution in the core of 3 MW TRIGA Mark-II research reactor, AERE, Savar, Dhaka, Roll No. Phy.96339, Session: 1995-96, 1999, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G16.	Assessment of radioactivity and absorbed doses of human body by a whole-body counter, Roll No. Phy.96330, Session: 1995-96, 1999, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G17.	A study on shielding effectiveness of some radiation facilities, Roll No. Phy.96333, Session: 1995-96, 1999, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G18.	A study of response of gamma radiation on some radiation measuring instruments, Roll No. Phy.96327, Session: 1995-96, 1999, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G19.	Measurements of radioactivity in total diet and estimation of resulting doses to population at large, Roll No. Phy. 96324, Session: 1995-96, 1999, JU (Supervisors: Prof. Dlider Hossain , Aleya Begum and **Dr. A. S. Mollah**).
G20.	Measurements of radioactivity in soils around the research reactor at AERE, Savar, Roll No. Phy. 96340, Session: 1995-96, 1999, JU (Supervisors: Prof. Dlider Hossain, Aleya Begum and **Dr. A. S. Mollah**).
G21.	A study on the radiation protection aspects in the Sylhet Nuclear Medicine Center, Roll No. PSM008/97, Session: 1996-97, 1999, SUST (Supervisors: Mr. Delwar Hossain and **Dr. A. S. Mollah**).
G22.	An assessment of radiation exposure level around some diagnostic x-ray installations in sylhet city, roll no. Psm010/97, session: 1996-97, 1999, sust (supervisors: Mr. Delwar hossain and **dr. A. S. Mollah**).
G23.	Optimization of shielding thickness for radiation facilities, Roll No. Phy.970063, Session:1996-97, 2000, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G24.	Radiation dose measurements in different high rise buildings, Roll No. Phy.970067, Session: 1996-97, 2000, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G25.	Evaluation of radiation doses in mammography in Bangladesh, Roll No. Phy.970061, Session: 1996-97, 2000, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G26.	Shielding design and safety evaluation for linear accelerator and brachytherapy facilities using computer codes, Roll No. Phy.980029, Session: 1997-98, 2001, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G27.	Assessment of glanadular radiation dose in mammography practices, Roll No. Phy.913456, Session: 2002-2003, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
G28.	Calculation of gamma-ray attenuation of IM concrete, Roll No. SH5782 session 2013-2014, DU (Supervisors: Prof. M. K. Kabir and **Dr. A. S. Mollah**).
G29.	Calculation of gamma-ray attenuation of poly-boron, Roll No. FH7865 session 2013-2014, DU (Supervisors: Prof. M. K. Kabir and **Dr. A. S. Mollah**).
G30.	Study on gamma ray attenuation of locally developed bees wax bolus, Roll No. 1012, Session 2016-2017, KYAU

	(Supervisors: Prof. **Dr. A. S. Mollah** and M. I Sayyed), Dec 2018.
G31.	Study on shielding attenuation of X-ray for different X-ray facilities, Roll No. 1011, Session 2016-2017, KYAU (Supervisors: Prof. **Dr. A. S. Mollah** and Md. M. Rahman), Dec 2018.
G32.	Ultrasound image quality analysisby using ImageJ software, Roll No. 1009, Session 2016-2017, KYAU (Supervisors: Prof. **Dr. A. S. Mollah** and Md. M. Rahman), Dec 2018.

H. Supervision of M. Phil. Thesis Works

H1.	Neutron flux measurement by activation method and study of neutrons and gamma rays attenuation properties of multilayered shields by Md. Abdul Matin, 1990, BUET (Supervisors: Prof. G.U. Ahmad, M.A. Rahman and **Dr. A. S. Mollah**).
H2.	Development of high radiation dosimeters using locally available materials for industrial radiation processing by Md. Delwar Hossain, December 1998, Roll No. Phy.3, Session: 1995, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
H3.	Effect of dose of some ionizing radiation on cancer patients by Md. Nurul Amin, December 1999, Roll No. Phy.340 Session:1995-1996, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
H4.	A study of radioactivity and radiation levels in Bangladesh for assessment of population exposure by Shyamal Ranjan Chakraborty, March 1999, BUET (Supervisors: Prof. G. U. Ahmad and **Dr. A. S. Mollah**).
H5.	The determination of organ doses of diagnostic and therapeutic patients by Md. Motiur Rahman, Roll No. Phy.345, Session: 1995-1996, 2000, JU (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah)**.
H6.	Evaluation of the population exposure from X-ray uses in medical field by Manash Kanti Biswas, May 2000, BUET(Supervisors: Prof. G. U. Ahmad and **Dr. A. S. Mollah**).
H7.	Radiation protection management in several x-ray installations of Narayangonj by Ms. Sultana Mahmuda Yeasmin, Roll No. 9514020F, Session 1994-95-96, 2004, BUET (Supervisors: Prof. Nazma Zaman and **Dr. A. S. Mollah**).
H8.	Quality assurance and radiation safety assessment of diagnostic X-ray unit by Mahfuza Begum, October 2006, BUET (Supervisors: Prof. M. Hoque and **Dr. A. S. Mollah**).

I. Supervision of BSc (Nucl. Sci. & Engg.) Project Works

I1.	Thermal hydraulics analysis of pebble bed modular reactor by using ANSYS (2017).
I2.	Development of low cost gamma-ray shielding materials from locally available materials (2017).
I3.	Development of a Computer Program Based on Analytical Method for SMR Core Design Calculations (2018).
I4.	Modeling and Validation of IAEA 3D PWR Benchmark Problem Using Comsol Multiphysics (2019).
I5.	Simulation of dynamic behavior of Xe-135 and Sm-149 production using MATLAB Code for a typical research reactor (2019).
I6.	Nuclear Fuel Depletion Analysis Using MATLAB Software (2020).
I7.	Computational benchmark analysis of VVER-1000 assemblies with LEU by using OpenMC code (2020).
I8.	Shielding Design for High Radioactive Source (2020).
I9.	Generation of cosine shape thermal response for thermal hydraulic test facility (THTF) heated rods by using locally developed induction heating system (2021).
I10.	Development of a robotic system for handling of radioactive materials (2021).
I11.	Analysis of heat transfer of locally developed laboratory based spent fuel storage pool system using a helical coil heat exchanger (2022).

J. Supervision of BSc (Nucl. Sci. & Engg.) Thesis Works

J1.	Use of biokinetic model for calculation of internal radiation doses for occupational worker (December 2018).
J2.	A PWR pin cell burnup benchmark analysis using WIMSD5 transport lattice code (December 2018).
J3.	Studies on gamma-ray & neutrons attenuation properties of locally developed concrete as radiation shielding material (December 2018).
J4.	Calculation of Standardized Uptake Value (SUV) from PET-CT image by using inhouse developed MATLAB software (2019).
J5.	Analysis of quality control of Gamma Camera SPECT System by locally developed using bar Phantom (2019).
J6.	Steady-State Thermal-Hydraulic Analysis of a Small Modular Pressurized Water Reactor (2019).
J7.	Nuclear Data Processing and Neutronics Analysis of Nuclear Reactors Using OPENMC and NJOY21 Codes (2019) (**Awarded best student thesis)**.
J8.	Calculation of Core Design Parameters for Small Modular Reactor (SMR) Using In-House Developed Computer Program (2019).
J9.	Calculation of Gamma Ray Dose Rate By GEANT4 Software and Thermal Analysis by ANSYS Software Through the Multilayer Shielding of a Generic VVER-1200 (2020).

J10.	A comparative Study on PWR Based VERA Depletion Benchmark Problems With OPENMC, OPENMC-ONIX AND DRAGON Codes (2020).
J11.	Conceptual Design and Gamma Ray Shielding Analysis of a Spent Fuel Transportation Cask for TRIGA MARK II Research Reactor (2020).
J12.	Conceptual Design and Thermal Analysis by using ANSYS software of Dry Storage of Spent Fuel Cask (2021).
J13.	Neutronic Analysis of VVER-1000 Core Benchmark by using OpenMC (2021)
J14.	Thermal Hydraulic Analysis by using CFD for triga reactor sub-chanel (2021).
J15.	Calculation of Gamma Ray Dose Rate By GEANT4 Software for waste storage container (2021).

K. Supervision of Ph. D. Thesis

K1.	A study on biological shield design and analysis of radiation doses for a nuclear power reactor by Md. Sazzad Hossain, JNU, Savar, May 2005 (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
K2.	Assessment of health hazard and exposure limits due to non-ionizing radiation from wireless/telecommunication inBangladesh by AKM Fazlul Haque, JNU, Savar, March 2008 (Supervisors: Prof. M. A. Zaman and **Dr. A. S. Mollah**).
K3.	Assessment of radiological dose arising due to a hypothetical accident of a research reactor by using indigenously developed computer code by Md. Moksed Ali, JNU, Savar, February 2010 (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
K4.	Assessment of internal radiation doses due to intake of radionuclides by ingestion in human body by A.H.M. Ruhul Koddus, JNU, Savar, April 2010 (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
K5.	Assessment of radiological health hazard due to severe accident of nuclear power reactor by Md. Moniruzzaman, JNU, Savar, July 2011 (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).
K6.	Calculation of radiation dose from intake of radionuclides by Sayed Mohammad Iqubal, National University, Gazipur, Dhaka, July 2011(Supervisor: **Dr. A. S. Mollah**).
K7	Calculation of MGD and breast densities for Bangladehi women by Ms. Meherun Nahar, JN University, Savar (Thesis submitted in June 2014 (Supervisors: Prof. Mir. Md. Akramuzzaman and **Dr. A. S. Mollah**).

L. WHO-BAEC Regulatory Guides

L1.	Regulatory Guide (RG) on Quality Assurance for Diagnostic X-ray Facilities, NSRC-XR-G03, 2005 (ISBN 984-32-2622-4).
L2.	RG on Radiation Protection in Radioactive Waste Management Practices, NSRC-WM-G-01, 2005 (ISBN 984-32-2623-2).
L3.	Regulatory Guide on Radiation Protection in Dental X-ray, NSRC-XR-G-02, 2005 (ISBN 984-32-2621-6).
L4.	Regulatory Report on Environmental Impact Assessment on Radioactive Waste Management Situation in Bangladesh, NSRCD-TRS-02, 2005 (ISBN 984-32-2860-X).
L5.	Regulatory Report on A Study on Assessment of Radiation Hazard Due to Use of Ionizing Radiation Sources in Bangladesh, NSRCD-TRS-01, 2005 (ISBN 984-32-2859-6).
L6.	Regulatory Guide on Radiation Protection in Health Facilities, NSRC-RP-G-01, 2007 (ISBN 984-300-000818-5).

M. Book Chapter

M1	Book name: Radionuclide Contamination and Remediation Through Plants Chapter 3: Radionuclide Uptake from Soil to Plants: Influence of Soil Classification, Springer International Publishing Switzerland, 2014