MIST newsletter

Technology for Advancement

Military Institute of Science and Technology

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COMMANDANT'S GLOSS



MIST, a renowned Engineering Institution focuses on developing quality technical education and research. To enrich students and faculty members with updated technical knowledge and skills, MIST regularly arranges different seminars, conferences, workshops, industrial tours and other co-curricular activities. The first half of the academic session 2019--20 was not an exception. This newsletter reflects the activities of last six months. I express my heartfelt thanks and gratitude to the editorial board for publishing MIST Newsletter regularly.

18th GRADUATION CEREMONY OF MIST





Dr. Dipu Moni, MP, Honourable Minister, Ministry of Education handed over certificates and medals to the new graduates of Military Institute of Science and Technology (MIST) as the chief guest on the occasion of **18th Graduation Ceremony** on 27th January 2020. While speaking at the graduation ceremony, Honourable Education Minister congratulated all the graduating students of the twelve departments of MIST for their successful completion of academic tenure. Ministers, MPs, Chief of Army Staff, E-in-C, Secretaries, Ambassadors, Vice-Chancellors, professors of different universities, high ranking civil and military officials were present in the ceremony. A total of 481 students completed their graduation in this year. Amongst them 418 were civil and 63 military students. BA-7889 Maj Md Ziaul Islam, Engrs of Civil Engineering Department was awarded Osmany Memorial Gold Medal for outstanding academic performance.

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ACADEMIC COUNCIL OF MIST

The 63rd and 64th meetings of the **Academic Council of MIST** were held on 9th January and 14th June 2020 respectively at MIST. Commandant MIST Major General Md. Wahid-Uz-Zaman, ndc, aowc, psc, te chaired the meeting. Representatives from DU, BUET, Ministry of Education, Ministry of Defence, Armed Forces Division, Army, Navy and Air Force were present in the meeting.



LAUNCHING CEREMONY OF ACADEMIC SESSION 2019-20



Launching Ceremony of Academic Session 2019-20 of MIST was held on 19th January 2020. MIST welcomed all the young engineering students including their guardians in the ceremony. There were interactive sessions for the guardians with MIST authority and orientation with MIST campus. Academic session 2019-20 started on 2nd February 2020. More than 570 students (both military and civil) joined MIST in level-1 in different disciplines. The disciplines are CE-22, CSE-20, EECE-18, ME-18, AE-12, NAME-8, BME-6, Arch-6, NSE-6, EWCE-6, IPE-5 and PME-5.

MIST PROJECT FAIR 2020

Research and Development (R&D) Wing of MIST organized **MIST Project Fair 2020** from 14th to 15th January 2020. Major General Md. Wahid-Uz-Zaman, ndc, aowc, psc, te Commandant MIST graced the occasion as chief guest. A team of external members from BUET, UIU and internal members of MIST worked in the project evaluation committee. 19 teams of different departments with their innovative research work participated in this fair. **Experimental Study of Water collection on the inside of slender copper tubes from electrostatically driven plume of an induced-draft counter-flow cooling tower prototype using space charge injection** of ME department was awarded as the best project.



Col Md Kabirul Islam CE faculty, Lt Col Muhammad Nazrul Islam, PhD, Sigs, ECE faculty, Cdre M Muzibur Rahman, (E), psc, BN, ME faculty and Capt M Ziaul Ahsan, BN (Retd) were awarded the best faculty in research work.

SEMINAR ON IMPORTANCE AND IMPACT OF ITEE (INFORMATION TECHNOLOGY ENGINEERS EXAMINATION)

On 24th February 2020 a seminar on **Importance and Impact of ITEE (Information Technology Engineers Examination)** was organized by the Department of Computer Science and Engineering under the supervision of Bangladesh Computer Council (BCC) in association with Japan International Cooperation Agency (JICA). In the seminar, a plethora of Bangladeshi speakers participated. In addition, Japanese specialist Mr. Akihiro Shoji (JICA Expert, ITEE Project) was present to encourage students with his enlightening speech.



WORKSHOP ON HYDRAULIC SYSTEM DESIGN AND CONTROL



Department of Mechanical Engineering organized a workshop on **Hydraulic System Design and Control** on 14th March 2020. Engineer Md. Abdul Motin, a renowned specialist in the field of hydraulics was the guest speaker of the workshop. Faculty members and students of ME Department attended the workshop.

WORKSHOP ON INDUSTRIAL SAFETY

A two-day long workshop on **Industrial Safety** for IPE students was held from 11th March to 12th March 2020, M.A. Rashid Tipu, CEO, Mechanical Engineering Solution BD Ltd was present as the Speaker at the Workshop.



IELTS PREPARATION COURSE



IELTS Preparation Course commenced from 15th February to 23rd May 2020. The course is being conducted by Science and Humanities Department. Students of MIST, Faculty members and students from other universities/colleges participated in the course.

WORKSHOP ON HIGHER STUDIES 101

A three-day-long workshop on higher studies abroad **Higher Studies 101** was organized by MIST career club under the supervision of DSW on 8th, 9th and 11th March 2020 at MIST. The first day was conducted by *Shabash Fakibaj* regarding higher study scope and opportunity for Bangladeshi students. The second day was conducted by Edward M. Kennedy Center (EMK) regarding university searching procedure, Visa-processing, and TOEFL.



GUEST LECTURE ON NUCLEAR SECURITY CULTURE



Department of Nuclear Science and Engineering has successfully organized a Guest Lecture on **Nuclear Security Culture** on 12th March 2020. Brigadier General Akhter Shahid, SUP, psc, G+, Chief Coordinator, Nuclear Security and Physical Protection Cell, Army Headquarters was the resource person in the lecture session. He delivered his speech on security aspects in Nuclear Domain and also portrayed a glimpse on World Nuclear Security status to the audience. In this session, all students and faculty members of the Department of Nuclear Science and Engineering of MIST were present.

TRAINING ON ENGINEERING MATERIALS TESTING AND LABORATORY EQUIPMENT HANDLING

Civil Engineering Department of MIST successfully organized Training on **Engineering Materials Testing and Laboratory Equipment Handling** for the Engineers and Employees of Chattogram City Corporation which was held from 28th to 30th January 2020. Certificates were distributed amongst the participators. Mentionable that there were 16 participators from Chattogram City Corporation.



TRAINING COURSE ON ITEE: INFORMATION TECHNOLOGY ENGINEERS EXAMINATION

On 10th February 2020, a training course on **ITEE: Information Technology Engineers Examination** was inaugurated by the head of Computer Science and Engineering Department, Brig Gen Mohammad Sajjad Hossain. ITEE qualification is widely accepted in the Asian region that assists the graduates to achieve international recognition. This course is completely governed by IPA, Japan which is associated with Bangladesh IT-engineers Examination Center (BD-ITEC) of Bangladesh Computer Council under the supervision of ICT Division, Ministry of Posts, Telecommunications & IT.



SHORT COURSE ON MOBILE APPLICATION DEVELOPMENT (ANDROID OS)



From 10th to 25th February 2020, Department of Computer Science and Engineering organized a short course on **Mobile Application Development (Android OS).** Lt Col Muhammad Nazrul Islam and Lecturer Zinia Sultana conducted the course. Students of Level-3 of CSE department attended the course.

SHORT COURSE ON SHIP DESIGN USING MAXSURF AND RHINOCEROS

The Department of Naval Architecture and Marine Engineering (NAME) organized a short course on **Ship Design Using Maxsurf and Rhinoceros** from 9th to 20th February 2020. A total of 32 participants including three Navy officers and two professional engineers have attended and successfully completed the course. Head of NAME department Cdre M Muzibur Rahman, (E), psc, BN has given farewell speech to the participants and distributed certificate.



OBSERVANCE

OBSERVANCE OF BIRTH CENTENARY OF FATHER OF THE NATION AND NATIONAL CHILDREN DAY

MIST organized a special program in observance of the 100th **Birth Anniversary** of Father of the Nation and **National Children Day** on 17th March 2019. In the morning a rally with festoons and placards was conducted around MIST premises. Discussion on the life and work of Bangabandhu followed by documentary films show were also remarkable events.



BANGABANDHU JONMOSHOTOBORHSO PHOTO EXHIBITION AND ORIENTATION OF MIST PHOTOGRAPHIC SOCIETY



Bangabandhu Jonmoshotoborhso Photo Exhibition and Orientation of MIST Photographic Society took place on 16th March 2020. MIST photographic society officially welcomed the new members of the club and arranged a photo exhibition on the occasion of the hundredth birthday years of Bangabandhu Sheikh Mujibur Rahman. Zinia Wahid, Commandant Madam, MIST attended the program as the chief guest.

BOSONTO UTHSHOB 2020

The students of MIST welcomed the spring season by a grand event titled as **Bosonto Uthshob 1426.** This event took place at MIST plaza. The event was facilitated by MIST Literature & Cultural Club under the supervision of the DSW. Maj Gen Md Wahid-Uz-Zaman, ndc, awoc, psc, te, Commandant, MIST attended the program as chief guest.



CAMPUS HOUR





Campus Hour was arranged by Directorate of Student Welfare which took place on 26th February 2020. At this event 12 clubs from different departments took the initiative to conduct various competitions. Students from every department participated in the competitions and also enjoyed the program. 'MOTO MIST' an Automotive Club, under Department of Mechanical Engineering arranged their own programs which included **Trash to Toy Car Competition.** Participants of the club made toy vehicles with simplest materials to demonstrate efficient vehicle design. The race competition was followed by the vehicle design analysis.

Maj Gen Md Wahid-Uz-Zaman, ndc, awoc, psc, te, Commandant, MIST attended each event and encouraged the students regarding their participation in extracurricular activities.

PICNIC OF EECE DEPARTMENT 2020

Every year, before the academic activities bounce towards striking pressure, the department arranges a picnic to give the students a fresh mind to commence the semester. This year being no different, a lively picnic was arranged by the senior year students at Savar Golf Club. With huge arena and open fields, the location was a perfect spot for picnic. It was the perfect time for ice breaking between students and faculties, hence a lot of games like Tug of War, Pillow Passing, Musical Chair and Hari Bhanga were arranged. Besides, to keep the entertainment flowing, a lot of cultural activities like singing, dancing and drama performance were presented by the students from all levels. This was followed by prize giving ceremony and a raffle draw.



The end of the high spirited event was put out by the encouraging speech from the respected department head, Brigadier General A. K. M. Nazrul Islam, PhD.

COMPETITION

INTER DEPARTMENT CULTURAL COMPETITION AND NOBIN BORON 2020



Inter Department Cultural Competition and Nobin Boron 2020 is highlight of every year. Just at the beginning of this year, this competition is arranged among the departments where students with highly enthusiastic cultural abilities get a chance to actively present their talents. This year, the event was organized from 16th-20th February 2020. Students from different departments of MIST participated in the event. Col Chowdhury Saif Uddin Kawser, PBGM, Director, Directorate of Students' Welfare (DSW) attended the program as the chief judge. CSE department became the champion in the cultural competition. Nobin Boron and prize giving ceremony of the inter department cultural competition took place on 27th February, 2020. Maj Gen Md Wahid-Uz-Zaman, ndc, awoc, psc, te, Commandant, MIST attended the program as chief guest.

BANGABANDHU JONMOSHOTOBORHSO INTER DEPARTMENT CRICKET TOURNAMENT 2020



Bangabandhu Jonmoshotoborhso Inter Department Cricket Tournament took place from 1st March to 17th March 2020. Students from different departments of MIST participated in the event. Maj Gen Md Wahid-Uz-Zaman, ndc, awoc, psc, te, Commandant, MIST attended in the final match between Aeronautical Engineering and Civil Engineering Department at MIST playing ground on 17th March. AE Department became the champion of Bangabandhu Jonmoshoto borhso Inter Department Cricket Tournament 2020. H. M Monjur Morshed Bhuiyan was awarded as player of the tournament.

NEWS CASTING COMPETITION AEO-2020



News Casting Competition Titled AEO-2020 was held in Indonesia from 10th to 14th February 2020. Md. Al-Araf-Uzzaman (Level-3, BME-4) of BME Department got the honour of being the finalists out of 60 contestants.

NATIONAL COLLEGIATE PROGRAMMING CONTEST (NCPC)-2020

National Collegiate Programming Contest (NCPC)-2020 the biggest and most prestigious programming contest in Bangladesh, was hosted by the CSE Department of MIST from 20th to 22nd February 2020. This is the first time MIST got the opportunity to arrange this national-level programming contest. This year 150 teams (pre-selected from over 300 registered teams) from 80 different universities nationwide participated. Minister of State for Information and Communication Technology Division Zunaid Ahmed Palak, MP graced this very occasion as chief guest. MIST hosted this glorious event in collaboration with ICT Ministry, and Bangladesh Computer Council (BCC).



SCRABBLES COMPETITION



Scrabbles Competition was held in Indonesia from 10th to 14th February 2020. In that program, Tamim Mahmud Tamim (Level-3, BME-4) of BME Department obtained 22nd position out of 55 contestants.

MIST CAPTAIN'S ELECTION-2020

To accelerate leadership and democracy practices among the existing student in MIST, every year **MIST Captain's Election** is held to find out the leader of the students. MIST captain's election was held on 12th February 2020 at General Mustafiz Multipurpose Hall. A total of 96 students, 8 students from each department, participated as a voter for electing MIST captains for this year. Maj Gen Md Wahid-Uz-Zaman, ndc, awoc, psc, te, Commandant, MIST attended in the program as the chief guest. Mohammad Wasique Harun from ME Department, Md. Rajin Muttashik from NAME Department, Md. Sayem Khandakar from BME Department and Ridita Binte Borhan from NSE Department have been elected as MIST Captain, MIST Cultural Captain, MIST Sports Captain and MIST Debate Captain respectively.



ACHIEVEMENT

FACULTY ACHIEVEMENT

Head of Mechanical Engineering Department, Colonel Md. Humayun Kabir Bhuiyan, psc received BDT Three Hundred Thousand from the Government of People's Republic of Bangladesh as research fund for his proposed project **Design and Fabrication of Air Cushion Vehicle for Bangladesh** Army on 5th March, 2020. Honourable Prime Minister of People's Republic of Bangladesh, Sheikh Hasina handed over the fund from the Innovation Fund of Ministry of Science and Technology.



ACADEMIC ACHIVEMENT



BSS-8923 Capt Muntahith Mehadil Orvin of CE department, MIST started his MSc. program in Civil Engineering in January 2019 at University of British Columbia (UBC), Canada. His master's thesis is related to understanding the travel behavior of shared services users (e.g. bikeshare). He has achieved 91% marks (UBC GPA of 4.33 out of 4.33) and for outstanding performance, he has been awarded Graduate Deans Entrance Scholarship (GDES), the University Graduate Fellowship (UGF), the UBCSUO legacy fund, and the TUUM student Initiative Fund. During his graduate program, he has published 5 (five) fully peer-reviewed conference papers and submitted 3 (three) journal papers which are under final review.

As a result of consistent academic excellence, Capt Muntahith has been featured in the UBC spotlight as a 2020 rising star of the Faculty of Applied Science. His research and academic experience will highly benefit CE Department, MIST in sustainable transportation engineering and land use research.

BANGLADESH GOVERNMENT AWARDS RESEARCH FUND

A project titled **Biodiesel Synthesis from Algae by an Automated Plant** of Professor Dr. A K M Nurul Amin and Maj Adib Bin Rashid has achieved a research grant of four lac taka from Ministry of Science.



Prof. Dr. A K M Nurul Amin



Maj Adib Bin Rashid

WINNERS OF BEST PROJECT AND RESEARCH PAPER IN MIST





A thesis project carried out by Md. Fahim Faisal Patwary, Isheka Agarwala and Rashik Ahmed from the department of Mechanical Engineering was awarded as the **Best Project in MIST** and a research work carried out by Asif Ahmed and Lt Nasim Iqbal (E), BN from department of Mechanical Engineering attained the **Best Research of MIST 2019** award. The paper was published in 13th International Conference on Mechanical Engineering (ICME19), BUET.

Honourable Education Minister Dr. Dipu Moni, M.P handed over the crest by herself on 18th graduation ceremony of MIST held on 27th January 2020.

BEST PROJECT (ME FACULTY) 2019–IPE DEPARTMENT



A Multifunctional Robotic Crutch made by Abdullah All Mamun Anik(IPE) and Mohammad Abdul Khaled (ME) was awarded for the **Best Project (ME Faculty) - 2019** from Industrial and Production Engineering (IPE) Department.

AWARD AT BASIS SOFTEXPO 2020

MIST project named **IOT Based Learning Tool for Special Children** receive an award for being among the top 5 teams from 65 teams around Bangladesh at the 16th BASIS SoftExpo 2020. The team members consist of Lec Uzma Hasan, Md. Fourkanul Islam, Sifat Bin Zaman, Shaila Tajmim Anuva, Farhana Islam Emu received award from Honorable State Minister Junaid Ahmed Palak, MP and Honorable Minister Tipu Munshi, MP on 9th February at the closing ceremony of the grand event. This project had also received the Best Project Award from ECE faculty of MIST and has been accepted for publication in the proceedings of the 12th Asian Conference on Intelligent Information and Database Systems to be held in Phuket, Thailand.

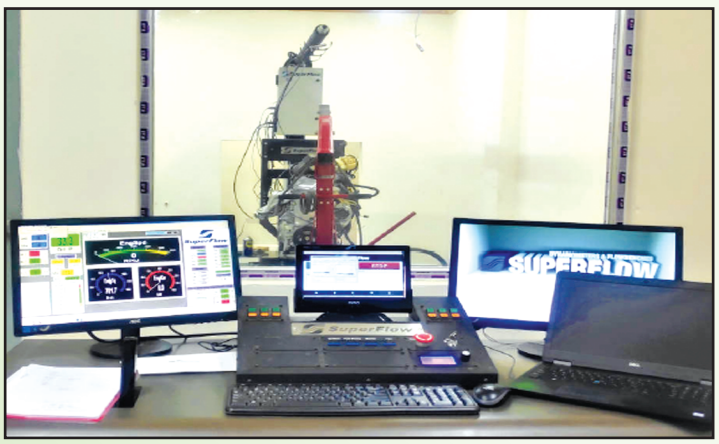


RECOGNITION OF THE ACHIEVEMENT OF MIST ROBO WARRIORS

On 27th February 2020 at Nobin Boron program, respected commandant MIST awarded the prestigious MIST Achievers (Silver) medal to **MIST Robo Warriors,** a robotics team formed in MIST consists of four members. The members of the team are Ahasan Siddique and Farabi Hossain from ME Department as well as Shafayetul Islam and Shoeb Ahmed Tanjim from CSE Department.



ACQUISITION, ASSEMBLING AND RUNNING DYNAMOMETER FOR CATS



Department of Mechanical Engineering **Acquired and Assembled Super Flow-F902F Dynamometer (15,000 rpm, 1500HP)** on 24th January 2020. Three faculty members as well as two Sub Assistant Engineers took part in the training program for this equipment. Currently, the dynamometer is ready to test engine and motor performance whenever required.

PRODUCTION AND DISTRIBUTION OF DISINFECTANT CHAMBER DURING THE OUTBREAK OF CORONA VIRUS

Department of Mechanical Engineering supervised the making of six disinfectants sprayer at the initial period of **Outbreak of Corona Virus.** These sprayers have been placed in different important entry points of MIST to reduce the risk of COVID 19 and ensure personal safety.



HAND SANITIZER PROJECT

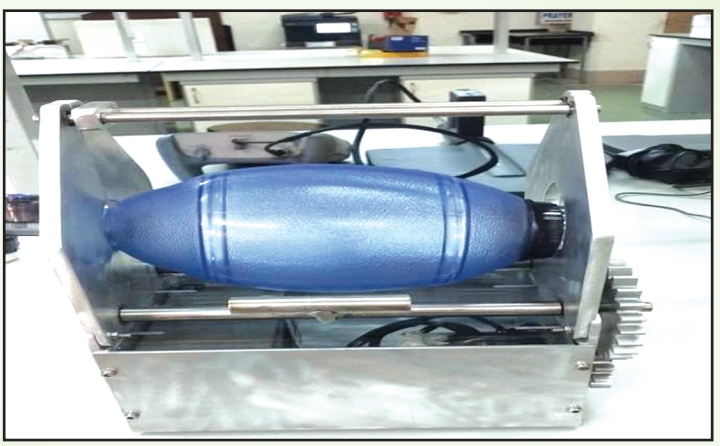




In order to prevent and mitigate the spread of COVID-19 in Bangladesh, Department of Biomedical Engineering, MIST initialized and still supervising the **Hand Sanitizer Production Project** from March 2020. Till now a total of 100000 (one lac) bottles hand sanitizer were produced and distributed free of cost among poor civil people with the help of Bangladesh Army. Besides a good quantity of hand sanitizer also sent to the members of the Bangladesh Army operating in Kuwait.

MAKING CONVENTIONAL VENTILATORS USING LOCAL TECHNOLOGY





The prototype of a **Conventional Ventilator** has been successfully completed under the joint research and management of the Biomedical Engineering Department, MIST and Gigatech Limited. Registration and mass production of the prototype ventilator is currently underway.

Department of BME, MIST also developed a prototype emergency ventilator (Ambubag System) which is also in the process of registration.

QUALITY CONTROL AND VALIDATION PROJECT OF LOCALLY MANUFACTURED VENTILATOR

Quality Control and Validation of locally made prototype ventilators by various companies in Bangladesh is ongoing at MIST under the guidance and cooperation of the Ministry of Information Technology, Government of the People's Republic of Bangladesh. A competent technical team has been formed comprised of expert from various departments of MIST. The team rendered technical support and advice including the inspection free of cost. So far numbers of companies have been completed the inspection/validation.



ARTICLE PUBLISHED

An article titled "A Systematic Review of the Digital Interventions for Fighting COVID-19: The Bangladesh Perspective" written by Lt Col Nazrul Islam of CSE Department and one co-author is published in IEEE Access, Vol. 8(1) having IF=4.098, Rank=QI.

An article titled "What drives unverified information sharing and cyberchondria during the COVID-19 pandemic?" written by Lt Col Nazrul Islam of CSE Department and three co-authors is published in European Journal of Information Systems having IF=2.60, Rank=QI.

An article titled "Evaluating Web and Mobile User Interfaces with Semiotics: An Empirical Study" written by Lt Col Nazrul Islam of CSE Department and two co-authors is published in IEEE Access, Vol. 8(1) having IF=4.098, Rank=QI.

An article titled "Blockchain and novel coronavirus: Towards preventing COVID-19 and future pandemics?" written by Lt Col Nazrul Islam, Lt Col Amirul Azim of CSE Department and one co-author is published in Iberoamerican Journal of Medicine.

An article titled "Critical Review of Concepts, Benefits, and Pitfalls of Blockchain Technology using Concept Map" written. by Lt Col Nazrul Islam, Lec Iyolita Islam, Lec Muhaimim, Lec Oishwee of CSE Department and two co-authors is published in IEEE Access, Vol. 8(1) having IF=4.098, Rank=QI.

An article titled "Investigating usability of mobile health applications in Bangladesh" written by Lt Col Nazrul Islam Islam of CSE Department and four co-authors in published in BMC Medical Informatics and Decision Making, Vol 20 having IF=2.317, Rank=Q2.

An article titled "Ponno Aalap: An Interactive Web Portal for Improving Consumer Experience" written by Lt Col Nazrul Islam of CSE Department and five co-authors is published in the proceedings of the IEEE Region 10 Symposium (TENSYMP) 2020, 05-07 June 2020, Dhaka, Bangladesh.

An article titled "A Vulnerability Detection Framework for CMS Using Port Scanning Technique" written by Lt Col Nazrul Islam of CSE Department and four co-authors is published in the proceedings of the 2nd International Conference on Cyber Security and Computer Science (ICONCS 2020), Springer-LNICST, 15th-16th February 2020, Dhaka, Bangladesh.

ARTICLE PUBLISHED

An article titled "Behavior of Work Hardened SnPb-Solder Affected Copper on Corrosion Raistance in pH Varied Environments", written by Commodore M Muzibur Rahman, (E), psc, BN, NAME Department of MIST is accepted to be published in European Journal of Materials Science and Engineering.

An article titled "Experimental Investigation of Thermo-Mechanical Properties of Copper Based Marine Propeller Materials", written by Commodore M Muzibur Rahman, (E), psc, BN and Lecturer A S M Salin of NAME Department, MIST was presented in ICME 2019 held in BUET on 22nd December 2019 and presently accepted to be published in American Institute of Physics.

Mohsen Golieskardi, Meenaloshini Satgunam, Dinesh Ragurajan, Md Enamul Hoque, Angela Min Hwei Ng. Microstructural, Tribological and Degradation Properties of Al2O3 and CeO2-Doped 3 Mol% Yttria-Stabilized Zirconia (3Y-TZP) Bioceramic for Biomedical Applications. Journal of Materials Engineering and Performance, Published online on 18 May 2020; https://doi.org/10.1007/s11665-020-04829-3

Md. Eaqub Ali, Md Enamul Hoque, SKS Afdar Hossai n, Manik Chandra Biswas. Nanoadsorbents for Wastewater Treatment–Next Generation Biotechnological Solution. International Journal of Environmental Science and Technology, Published online on 26 May 2020; DOI: https://doi.org/10.1007/s13762-020-02755-4

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Mamun Rabbani, M. Enamul Hoque, Zaid Bin Mahbub Nanosensors in Biomedical Applications: Prospects and Perspectives. Book Chapter: In: Kaushik Pal and Fernando Gomes de Souza (Eds). Nanofabrication And Smart Nanosensor Applications, Elsevier, UK, 2020; https://doi.org/10.1016/B978-0-12-820702-4.00007-6

Tariq Mahbub, Md Enamul Hoque. Introduction to Nanomaterials and Nanomanufacturing for Nanosensors. Book Chapter: In: Kaushik Pal and Fernando Gomes de Souza (Eds). Nanofabrication And Smart Nanosensor Applications,Elsevier, UK, 2020; https://doi.org/10.1016/B978-0-12-820702-4.00001-5

ARTICLE PUBLISHED

Shiplu Roy Chowdhury, Yogeswaran Lokanathan, Law Jia Xian, Fauzi Mh Busra, Muhammad Dain Yazid, Nadiah Sulaiman, Gargy Lahiry, Md Enamul Hoque. 3D Printed Bioscaffolds for Developing Tissue-Engineered Constructs. Book Chapter: In: Evren Yasa (Ed). Design Engineering and Manufacturing, IntechOpen, UK. Published on 28 May 2020. DOI: 10.5772/intechopen.92418

Zayed Bin Zakir Shawon, M. Enamul Hoque, Shiplu Roy Chowdhury. Nanosensors and Nanobiosensors: Agricultural and Food Technology Aspects. Book Chapter: In: Kaushik Pal and Fernando Gomes de Souza (Eds). Nanofabrication and Smart Nanosensor Applications, Elsevier, UK, 2020; s. https://doi.org/10.1016/B978-0-12-820702-4.00006-4

Md Enamul Hoque (Invited Speaker), Habibul Islam, Tarin Rahman. Tongue drive system (TDS) in accessing smartphone and self-operated wheelchair for the upper limb paralyzed individuals Conference Presentation: Sepang International Conference on Multidisciplinary Sciences and Advanced Technologies (SICMSAT' 2020), Webinar, 29-30 June, 2020.

Maj Md Ashrafuzzaman, PhD, EME, Puja Saha, Saima Chowdhury, Afsana Mehrab Faster Way of Brain Tumor Detection from Scratch MRI Images (April-2020). International Journal of Scientific & Engineering Research is published April 2020

Maj Md Ashrafuzzaman, PhD, EME, Farahdiba Zarin, Parsa Sanjana Binte Haque and Afsana Mimi A Case Study of the Potential Measures Taken Regarding Effective Minimization of Congenital Birth Defects in Bangladesh Renowned international journal Journal of Slovenská zdravotnícka univerzita v Bratislave is published 2020

Maj Md Ashrafuzzaman, PhD, EME, Md. Shakib Abrar Hossain, Monjurul Ahsan, and Nabila Islam Proposed Module for Establishment of National Cardiovascular Database in Low Middle Income Countries International Conference Asian Pacific Conference on Medical and Biological Engineering is presented 25-27 May 2020 in Okayama Convention Center.

Maj Md Ashrafuzzaman, PhD, EME, Faiza Ahmed, Afsana Mimi, Farahdiba Zarin and Sabrina Shetu Ceramide: An Extravagant Prospective for Treatment of Burn Patients Internation Conference Asian Pacific Conference on Medical and Biological ngineering May 25-27, 2020 Okayama Convention Center, Japan - Is Presented.

Dr. Md. Asadur Rahman, Farzana Khanam, Mohiuddin Ahmed and Muhammad Sharif Uddin Multiclass EEG signal classification utilizing Rényi min-entropy-based feature selection 16 June 2020from wavelet packet transformation Renowned international journal Brain Informatics (Q2, ESCI Indexed) - Is Published.

M. F. Rabbi, F. S. Laboni, and M. T. Arafat, "Computational analysis of the coronary artery hemodynamics with different anatomical variations," Informatics Med. Unlocked, vol. 19, p. 100314, Jan. 2020, https://doi.org/10.1016/j.imu.2020.100314.