

**Annual Botanical Conference- 2021**  
**30-31 March, 2022**  
**Department of Botany, University of Rajshahi**

**PROGRAMME**

**INAUGURAL SESSION**

**Venue:** Shaheed Tajuddin Ahmad Senate Building, RU

**Date:** 30 March, 2022

**10:00 am - 2:00 pm:** Spot registration, collection of conference kits, Room no. 150, Dept. of Botany, RU

- 3:30 pm** : Guests and participants take their seats  
**3:40 pm** : Recitation from the Holy Books  
**3:50 pm** : Welcome address and introduction of foreign delegates by the organizing Secretary of Annual Botanical Conference 2021  
**4:00 pm** : Introduction of the host institution  
**4:10 pm** : Address by the General Secretary, BBS  
**4:20 pm** : Address by the Special Guest  
**4:30 pm** : Address by the Patrons  
**4:50 pm** : Address by the Chief Patron  
**5:05 pm** : Address by the Chief Guest  
**5:20 pm** : Vote of thanks by the Chairman, Department of Botany, RU  
**5:30 pm** : Address by the Chairman of the Inaugural Session

**5:40 pm - 6:45 pm: Refreshment**

**6: 45 - 8:00 pm** : **Plenary Session**

**Venue** : Shaheed Tajuddin Ahmad Senate Building, RU

**Chairman** : Prof. A.T.M. Naderuzzaman, Dept. of Botany, University of Rajshahi

**Co-Chairman** : Prof. Dr. M. Shahadat Morshed, Dept. of Botany, University of Dhaka

**Rapporteur** : Prof. Dr. S.A. Haider, Dept. of Botany, University of Rajshahi

**Keynote Speaker** : Dr. Rakha Hari Sarkar, Professor, Dept. of Botany, University of Dhaka

**Theme:** Innovative Research in Plant Science for Sustainable Development in Bangladesh

**Discussant** : Prof. Dr. M. Mahfuzur Rahman, Dept. of Botany, Jahangirnagar University

**Discussant** : Prof. Dr. Md. Mahbubur Rahman, Dept. of Botany, University of Chittagong

**8:15 pm** : **Dinner**

**Date: 31 March, 2022**

- 9:00 - 11:00 am** : **SPECIAL SESSION**  
**Venue** : Lecture Theatre (Room no. 150), Dept. of Botany, Sir Jagadish Chandra Bose Building
- Chairman** : Prof. Dr. Golam Kabir, Dept. of Botany, University of Rajshahi  
**Co-Chairman** : Prof. Dr. M. Firoz Alam, Dept. of Botany, University of Rajshahi  
**Rapporteur** : Prof. Dr. Mohammad Nurul Islam, Dept. of Botany, University of Dhaka
- Presentation 1** : Ecosystem restoration in Bangladesh.  
**Speaker:** Prof. Dr. A.K.M. Nazrul Islam, Dept. of Botany, University of Dhaka
- Presentation 2** : Reviving Dhakai Muslin “The Golden Heritage of Bangladesh”  
**Speaker:** Prof. Dr. M. Monzur Hossain, Chairman. Dept. of Botany, Rajshahi University.
- Presentation 3** : “Chemical-botany or Botanical Chemistry: How do Botany and Chemistry help each other for Sustainable Development?”  
**Speaker:** Prof. Dr. Chittaranjan Sinha, Dept. of Chemistry, Jadavpur University, India.
- 11:00 - 11.30 am** : **Tea Break**
- 11:30 am - 1:00 pm** : **TECHNICAL SESSION A1**  
**Venue** : Lecture Theatre (Room no. 150), Dept. of Botany, Sir Jagadish Chandra Bose Building  
**(Biotechnology, Molecular Genetics, Microbiology, Biochemistry, Genetics and Breeding)**
- Chairman** : Prof. Dr. Mohammad Nurul Amin, Dept. of Botany, University of Rajshahi  
**Co-Chairman** : Prof. Dr. M. Abu Reza, Dept. of Genetic Engineering & Biotechnology, University of Rajshahi  
**Rapporteur** : Prof. Dr. Apurba Kumar Roy, Dept. of Genetic Engineering and Biotechnology, University of Rajshahi
- Speakers:**  
**Rahnuma Tabassum**, Mohammed Sala Uddin, Fatimah Tabassum, Tansura Morshed and KM Mesbaul Alam - Effect of auxins on the vegetative propagation of *Vitex negundo* L. (12)  
Partha Sarker and **Md. Jahangir Alam** - Inhibition of key digestive enzymes linked to type 2 diabetes by the extracts of *Arachis hypogaea* and *Cinnamomum tamala* to manage diabetes mellitus (14)  
**Md. Abdullah Al Mamun** and Md. Abdul Alim Al-Bari - Therapeutic application of *Tridax procumbens* natural compounds for the treatment of skeletal diseases (16)  
**Abdullah Mohammad Shohael** - Application of plant bioreactor systems for the large scale production of valuable medicinal plant cell in Bangladesh (27)  
Naushin Sharmin Aurchey, Ashikur Rahman Khan, Sanjit Chandra Halder and **Gokul Chandra Biswas** - A laser-etched acrylic device-based microfluidic scheme for low-cost, fast, colorimetric and multiple antimicrobial sensitivity testing (32)  
**Mohammad Tarikul Hasan** and Anil Chandra Deb - Biometric analysis of thirteen quantitative traits

of BIP's family in chickpea (35)

Mamunur Rashid, MM Rashid, MS Alam and **MR Talukder** - Promotion of growth, enzymatic activities and food value of spinach (*Spinacia oleracea*) by combined LPGAD plasma seed treatment and plasma activated water (50)

**Tapash Kumar Bhowmik** and Md. Mahbubur Rahman - *In vitro* propagation of *Eulophia graminea* Lindl. - A terrestrial orchid of CHT, Bangladesh (57)

Mst. Ayesha Siddika, Plabon Kumar Das, Saharia Yeasmin Asha, Suraiya Aktar, Md. Abdur Rakib, Jahan Ara Khanam and **Farhadul Islam** - Anticancer activity of *Syzygium cumini* against EAC cells by inducing of apoptosis (63)

**Md. Eram Hosen**, Md. Sojiur Rahman, Md. Asadul Islam, Md. Khalequzzaman, Uzzal Kumar Acharjee and Rashed Zaman - Evaluation of pharmacological potentiality of *Camellia sinensis* and searching for inhibitors against SARS CoV-2 (66)

**11:30 am - 1:00 pm** : **TECHNICAL SESSION B1**

**Venue** : Room no. 141, Sir Jagadish Chandra Bose Building  
(**Taxonomy, Anatomy, Physiology, Horticulture, Pathology, Limnology, Ecology and Environment**)

**Chairman** : Prof. Dr. Md. Abul Bashar, Dept. of Botany, University of Dhaka

**Co-Chairman** : Prof. Dr. Ashfaque Ahmed, Dept. of Botany, University of Dhaka

**Rapporteur** : Prof. Dr. Mohammed Sala Uddin, Dept. of Botany, University of Chittagong

### Speakers:

**Mohammad Nazrul Islam** - Insulin Resistance Diabetes Mellitus (IRDM) can be treated by some evidence based herbal drugs: A scientific analysis (02)

**A.F.M. Mohabubul Haque**, Md. Atikur Rahman, Md. Mostafizur Rahman, Md. Sarwar Parvez and Ahmad Humayan Kabir - Changes in physiological responses and *MTP* (metal tolerance protein) transcripts in soybean (*Glycine max*) exposed to differential iron availability (03)

**Mohammed Mukhlesur Rahman** - Present status of plant biodiversity in the Saint Martin's island of Bangladesh (05)

**Md. Ahsanur Rahman** and Shameema Nasreen - First report of gummosis disease of Raintree [*Samanea saman* (Jacq.) Merr.] caused by *Botryodiplodia theobromae* in Bangladesh (06)

**A.S.M. Helal Siddiqui** - Salinity effect on heart rot disease of passur (*Xylocarpus mekongensis*) trees in the Sundarbans of Bangladesh (07)

**Md. Moniruzzaman**, Mst. Munni Akter, Nazim Uddin Ahmed, Arfatun Nahar Chowdhury, MS Sarmina Yeasmin, Murshed Hasan Sarker, Iftekhar Md. Noor and Sabrina Naz - Phytochemical screening, determination of trace elements & heavy metals and DPPH free radicle scavenging activity of *Pithophora kewensis* (08)

**Jahangir Alam** and Sima Kundu - Effect of mulching and planting methods on growth and seed cotton yield of cotton (09)

**M. Sarwor Jahan**, Mohammed Sala Uddin and KM Mesbaul Alam - Seed germination behavior of *Abrus precatorius* L. (10)

**Md. Rashedul Munim Khan**, Iftekhar Ahmad, Rayhan Uddin and Adnan Arif - A comparative study of some made tea based on qualitative parameters and organoleptic taste (22)

**Abu Kowser**, Mohammad Azmal Hossain Bhuiyan, Mahin Mohid, Sam Shariar Islam, Md. Rasikul Islam, Shahina Akter Kakoly, Saiful Islam and Moniruzzaman Khondker - Plankton composition of Hakaluki Haor of Moulvibazar, Bangladesh (28)

**Najmun Naher Sonia**, Minhajur Rahman and Animesh Biswas - Qualitative phytochemical screening

and evaluation of antioxidant and anti-inflammatory potentials of *Vitex pinnata* L. leaf extract (33)

**Ummay Kulsum** and MH Rahman - Landscapes and urban greening management in Rajshahi city (37)

**Mohammed Mozammel Hoque** and Bhaskar Dey - Exploration of phytochemicals and bioactive properties of *Aerides odoratum* Lour. (Orchidaceae) (39)

Sanjida Sultana, Md. Maniruzzaman Sikder, Farzana Ashrafi Neela and Nuhu Alam - First report of strawberry leaf blight caused by *Fusarium fuzikuroi species complex* in Bangladesh (40)

**Md. Babul Hossen** and M. Mahfuzur Rahman - Physico-chemical attributes of soils of Birganj and Nawabganj National Parks, Dinajpur, Bangladesh (42)

**Md. Sah Alam**, M. Mahfuzur Rahman, Rafiqul Haider and Tusher Kumer Ray - Ecological study on the ethno-medicinal plants and their traditional uses in Bandarban District, Bangladesh (43)

**Md. Mirajul Islam**, Md. Abu Sayem Azad, Toyfiqz Zaman, Md. Serajur Rahman, Samama Begum Chhabi and SM Shahinul Islam - Antibacterial, cytotoxicity, antioxidant and phytochemical assays of five genotypes of *Morus alba* L. (46)

**1:00 - 2:30 pm** : **Lunch & Poster visit**

**2:30 - 4:00 pm** : **TECHNICAL SESSION A2**

**Venue** : Lecture Theatre (Room no. 150), Dept. of Botany, Sir Jagadish Chandra Bose Building  
**(Biotechnology, Molecular Genetics, Microbiology, Biochemistry, Genetics and Breeding)**

**Chairman** : Prof. Dr. M. Monzur Hossain, Dept. of Botany, University of Rajshahi

**Co-Chairman** : Prof. Dr. Md. Aminul Hoque, Dept. of Agronomy and Agricultural Extension, University of Rajshahi

**Rapporteur** : Prof. Dr. Md. Abdullah Al Mamun, Dept. of Genetic Engineering and Biotechnology, Shahjalal University of Science and Technology

#### **Speakers:**

**Jannatul Ferdous**, Muntaha Binte Mukhles, Fahida Rahman, Md. Rasel Rana, Nazmul Huda and Md. Mizanur Rahman - Green synthesis of silver nanoparticles using seed extracts of *Nigella sativa* L with antibacterial and antifungal activity (75)

**Monira Mustary Sinthy** and Ashfaque Ahmed - Genetic diversity within the individuals and among the population of *Grewia nervosa* (Lour.) Panigrahi from different sal forests of north-western parts of Bangladesh (81)

**Md. Abu Reza**, Sohanur Rahman Sohan, Forhad Hossain, Ahmad Humayun Kabir, Mamunur Rashid Talukder and Zennat Ferdousi - Improvement of seed germination rate and agronomic traits in maize using plasma technology (83)

Mutasim Billah, Alam Khan, Amit Kumar Dutta, Biswanath Sikdar and **Md. Faruk Hasan** - Determination of heavy metals from selective dry fish and study of cytotoxic effects on embryonic development of zebrafish (*Danio rario*) (92)

**Ali Ahsan Muzahid** - GC-MS analysis of bioactive compounds present in different crude extracts from *Cucurbita moschata* (Misty Kumra) seed and *Benincasa hispida* (Chal Kumra) seed (93)

- Parth Sarker and **Md. Jahangir Alam** - Inhibition of key digestive enzymes linked to type 2 diabetes by the extracts of *Arachis hypogaea* and *Cinnamomum tamala* to manage diabetes mellitus **(95)**
- Md. Abdul Karim and **Fahmida Anika Khan** - Investigation of multidrug resistant *Enterococcus* spp. from fresh water habitat in Dhaka, Bangladesh **(99)**
- Md. Abdul Karim and **Sadia Faizunnesa** - Investigation of multidrug resistant *Enterococcus* spp. in hospital wastes in Dhaka, Bangladesh **(100)**
- Md. Nasiruddin**, Mst. Nurzahan Pervin, Rezaul Karium and M. Monzur Hossain - Integration of fruit and shoot borer resistant genes into eggplant from wild *Solanum* sp. through distant hybridization **(101)**
- Khaled Mahmud Sujon**, Salek Ahmed Sajib, Shafi Mahmud, Md. Masum Miah, Kazi Md. Faisal Hoque and Md. Abu Reza - Plasma activated water: the prospective eco-friendly stimulant for improving plant seed germination, vigor and enzyme activity, a study on black gram (*Vigna mungo* L.) **(106)**
- Md. Asraful Jahan**, Brianna Harris, Matthew Lowery, Aniello M Infante, Ryan J Percifield, Amanda G Ammer, and Nik Kovich - Genetic regulation of antifungal and anticancer glyceollin phytoalexins in soybean (*Glycine max* L. Merr) **(114)**
- Mst. Nurzahan Pervin**, Md. Nasiruddin, Rezaul Karim and M. Monzur Hossain - Assessment of morphological characters and varietal resistance to fruit and shoot borer among cultivated brinjals and wild *Solanum* sp. **(104)**

**2:30 - 4:00 pm** : **TECHNICAL SESSION B2**  
**Venue** : Room no. 141, Sir Jagadish Chandra Bose Building  
(**Taxonomy, Anatomy, Physiology, Horticulture, Pathology, Limnology, Ecology and Environment**)

**Chairman** : Prof. Dr. Sabrina Naz, Director, IES, University of Rajshahi  
**Co-Chairman** : Prof. Dr. Abdullah Harun Chowdhury, Environmental Science Discipline, Khulna University  
**Rapporteur** : Prof. Dr. Animesh Biswas, Dept. of Botany, University of Chittagong

**Speakers:**

- Mst. Nadira Begum**, Farhana Afroz, Md. Hossain Sohrab\*, Shamim Shamsi, Md. Abul Bashar, Mohammad Nurul Islam\*- Bioactive potential of endophytic fungi isolated from *Gynura procumbens* (Lour.) Merr. **(64)**
- Abu Kowser**, Mohammad Azmal Hossain Bhuiyan, ArfatunNahar Chowdhury, Sabbir Ahmed, Amit Kumar Dey and M Moniruzzaman - Water quality, biodiversity and conservation of wetland Tanguar Haor at Watch Tower Station, Sunamganj, Bangladesh **(67)**
- Mst. Ferdowsi Mahal** and Md. Abdus Salam - Effects of three plants extract on seed germination and controlling seed mycoflora (*in vitro*) of spinach (*Spinacia oleracea* L.) **(70)**
- Mst. Selina Momtaz, Shamim Shamsi and Tapan Kumar Dey - Prevalence of fungi associated with six wheat varieties and seed quality analysis **(72)**
- Afrin Sultana Ijee** and Ashfaque Ahmed - Phenology of some selected phanerogams of Curzon Hall campus, Dhaka University in relation to some climatic variables **(77)**
- Mohammad Ataur Rahman** and Mohammad Zabed Hossain- Diversity and composition of plant

- species of the Madhupur Sal forest and the Sitakunda Ecopark (79)
- Roksana Parvin**, Shanjida Afrin, Shakhawat Hossain, Musfika Tasnim Shirin, Alimul Islam, Meherun Nesa and Nurul Islam - Bio-active potential of *Syngonium macrophyllum* (Engl.) extracts against the stored product pests *Tribolium castaneum* (Hbst.), *Sitophilus oryzae* (L.) and *Callosobruchus chinensis* (L.) adults (87)
- Shakhawat Hossain**, Roksana Parvin, Al-Amin, Suvechchha Das, Alimul Islam and Nurul Islam - Insecticidal and repellent activity of *Wedelia chinensis* (Osbeck) Merr. extracts against adult beetles of *Callosobruchus chinensis* L., *Sitophilus oryzae* L. and *Tribolium castaneum* Hbst. (88)
- Mohammad Azmal Hossain Bhuiyan** - Variation, diversity, and phylogenetic relationships among strains of *Pyramimonas* Schmarda from Ryukyu Islands, Japan (89)
- Mohammad Azmal Hossain Bhuiyan**, Daphne Georgina Faria, Takeo Horiguchi, Stuart D Sym and Shoichiro Suda - Taxonomy and phylogeny of *Pyramimonas vacuolata* sp. nov. (Pyramimonadales, Chlorophyta) (90)
- Mohammad Azmal Hossain Bhuiyan**, Khandoker Asaduzzaman, Abu Kowser, SAM Shariar Islam Md. Rasikul Islam, Shahina Akter Kakoly, M Begum and Moniruzzaman Khondker - Natural radioactivity levels and radiological risk assessment of surface water of wetland Tanguar Haor, Sunamganj District, Bangladesh (91)
- Mohammad Azmal Hossain Bhuiyan, **Md. Rasikul Islam**, SAM Shariar Islam, Abu Kowser, and Moniruzzaman Khondker - Comparative study on water quality and algal diversity of two urban peripheral rivers of Dhaka Metropolis, Bangladesh (94)
- Syedul Alam**, Md. Jahangir Alam, Asim Kumar Paul and AHM Jahangir Alam - Plant diversity and ethnobotany of village common forest (VCF) of Kapru Para Bandarban hill District, Bangladesh (96)
- Ilias Hossain**, Golam Faruq, Abu Zaman Sarker and Md. Shahidul Alam - Food security with saving natural resources through climate smart conservation technologies under changing climate in Bangladesh (97)
- Esrat Jahan Ela**, Md. Sarwar Parvez\*, Md. Mostafizur Rahman, Md. Firoz Alam and Ahmad Humayan Kabir\* - Physiological and molecular mechanisms of nitric oxide mediated Fe improvement in Fe-deficient broccoli (*Brassica oleracea* var. oleracea) (107)
- Ivee Sultana** and Md. Mahmudol Hasan - Effect of *Trichoderma* fortified vermicompost on *Fusarium* wilt of tomato (113)
- Sabrina Naz, **Md. Sawkat Ali**, Kamrunnaher Rikta, Tabibur Rahman and Md. Moniruzzman - A New Angiosperm Record *Trapa incisa* Sieb. & Zucc. From Kathgora Baor, Jashore, Bangladesh (115)

- 4:00 - 4:30 pm** : **Tea**
- 4:30 - 5:30 pm** : **Annual General Meeting (Only for members)**
- Venue** : Gallery Room (Room No. 150), Dept. of Botany, Sir Jagadish Chandra Bose Building
- 6:45 - 7:30 pm** : **Cultural Programme**
- Venue** : Hotel Grand River View, Rajshahi
- 7:00 - 8:30 pm** : **Dinner**
- Venue** : Hotel Grand River View, Rajshahi

## List of poster presentation:

**Venue** : Ground Floor Corridor, Department of Botany, RU

**Mohammed Mukhlesur Rahman** - Impacts of Rohingya on natural forests resources of south eastern part in Bangladesh (04)

**Wahiduzzaman** and Soaib Nur - Biosynthesis of zinc oxide nanoparticles using *Aloe vera* and their utilization for postharvest application (13)

Tanjania Khanum, Aminul Hoque, Serajam Monira, Rezaul Karim, Prabesh Rai and Shoriful Islam - Growth and yield of rice as affected by varieties brr1 dhan-28, brr1 dhan-29 and surma-2 at Rajshahi region (17)

Tanjania Khanum, Aminul Hoque, Serajam Monira, Prabesh Rai and Shoriful Islam - Evaluation of comparative growth and yield performance of inbred and hybrid rice varieties under three agro ecological zone like Rajshahi, Rangpur, Bogura of Bangladesh (18)

Mazharul Islam, Ilias Hossain, Serajam Monira, Wahiduzzaman and Aminul Hoque - Different method of cultivation and different herbicides for weed control treatment on yield and yield contributing characters of wheat (*Triticum aestivum* L) (19)

**Sussmita Karmaker**, Rezaul Karim, Ayesa Siddika, Monzur Hossain and Aminul Hoque - *In vitro* callus induction and plant regeneration of three strawberry cultivars (20)

**Ayesa Siddika**, Rezaul Karim, Sussmita Karmaker, Nasir Uddin, Monzur Hossain and Aminul Hoque - Callus induction of two strawberry (*Fragaria x ananassa* Duch.) varieties through somaclonal variation (21)

Abdus Satter, Nur-E- Alam Siddique, Rezaul Karim and Aminul Hoque - Estimation of combining ability and heterosis in wheat (23)

Abdur Rashid, Aminul Hoque, Nur-E-Alam Siddique and Elias Hossain - Impact of sowing date and variety on wheat in yield and yield performing characters (24)

**Md. Shahin Ali** and Md. Mahabubur Rahman - Microscopical features in leaf blade of *Brachiaria mutica* (Forssk.) and *Cenchrus purpureus* (Schumach.): Fodder grasses of Bangladesh (29)

Aminul Hoque, Marzanur Rahman and Rezaul Karim - Field performance and molecular identity of disease tolerant gene in RaBi Dhan 1 (36)

Most. Shahida Khatun, Durga Das Bhowmik, Md. Abu Rayhan, Farzana Ashrafi Neela, Nuhu Alam - Leaf spot disease of garlic by *Alternaria alternata* and its molecular characterization and eco-friendly control measures (41)

**Saila Sharmin Suhi**, Nahida Yesmin and Farzana Ashrafi Neela - Occurrence of antibiotic resistant bacteria in salad vegetables collected from agricultural field (44)

**Md. Serajur Rahman** and SM Shahinul Islam - An efficient protocol for *in vitro* development of Mulberry (*Morus* spp.) in Bangladesh (45)

**Sonmoy Kundu**, SN Sima, M Mizanur Rahman, AK Roy and N Joarder - Anatomical variation and molecular characterization of some brinjal (*Solanum melongena* L.) varieties through DNA sequencing analysis (47)

Md. Darun Naim, Ahmed Intiaj and Md. Nurul Haque Mollah - Major RNAi gene families in *Phoenix dactylifera* were discovered and characterized by *in silico* approach (48)

Julhas Hossain, Fuad Taufiqul Hakim, Uzzal Kumar Acharjee, Rashed Zaman, Md. Asadul Islam and Md. Khalekuzzaman - Isolation and characterization of rhizosphere bacteria from lentils (*Lens culinaris*) cultivated field (49)

- Mamunur Rashid**, Mashura Afrin, MS Alamand MR Talukder Enhancement of growth, enzymes, nutrition and yield of brinjal: combined effects of plasma treatments (51)
- Md. Faisal Kabir and Ahmed Imtiaj - Application of Deep Neural Network for Identification and Diagnosis of Plant Disease (58)
- Sumaiya Aktar**, Md. Mizanur Rahman, Md. Nasiruddin, Md. Hasanur Rahman, Monzur Hossain and Rezaul Karim - Expression analysis of *somatic embryogenesis receptor like kinase (SERK)* gene in regenerable and non-regenerable callus of strawberry (*Fragaria × ananassa* Duch.) (59)
- Md. Shoyeb**, Md. Abdur Rauf Sarkar, Md. Mobenul Islam Rabbe, Shaikh Mizanur Rahman - *In vitro* micro propagation Dragon fruit (*Hylocereus costaricensis*) in response to different plant growth regulators (65)
- Muntaha Binte Mukhles**, Jannatul Ferdous, Md. Rasel Rana, Fahida Rahman, Meherab Hossain Rafi and Md. Mizanur Rahman - Antibiotic resistant profiling of isolated bacteria from industrially and locally produced ice-cream and *Lactobacillus* used in probiotic ice-cream (76)
- Toukir Mahmud Asif, Kazi Mahnaz Mehrin**, Nelufa Yasmin, Alimul Islam, Nurul Islam and Meherun Nesa - Screening for insecticidal potential of *Cicer arietinum* (L.) against three stored grain pests *Callosobruchus chinensis* (L.), *Sitophilus oryzae* (L.), and *Tribolium castaneum* (HBST.) (82)
- Anguri Akter Heera**, Md. Sobuj Rana and Most. Ferdousi Begum - Incidence of airborne fungi in outdoor environment of Rajshahi city and their allergenic response (84)
- Amit Kumar Dutta, Salmin Sadique, **Md. Rayhan Chowdhury**, Md. Ekhtiar Rahman, Shafi Mahmud, Gobindo Kumar Paul, Md. Abu Saleh and Anil Chandra Deb - *In Silico* Analysis and Homology Modelling of RecQ Helicases in Rice (*Oryza sativa*) (110)
- Mumtahn Ahammed**, Abdullah Al Mamun and Md. Jahangir Alam - *In silico* docking of flavonoids found in *Kalanchoe pinnata* and *Kalanchoe crenata* to identify potent inhibitors of signaling pathways involved in prostate cancer (116)