

Processes and Patents

Processes

A. Process Leased out

1. Title of the process: "Preparation of Slightly Acid Hypochlorous Solution (SAHS) based disinfectant for different purposes". Anshin Bangladesh, Tejgaon, Dhaka.
2. A process for the production of "Sugarcane Lemon Drink" M/S Ripco Limited, 136, Jalalabad, Ward No-2, Byjid Bostami Road, Chattogram.

B. Processes Accepted:

1. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Hoque , Md. Abdus Satter Miah, Ashish Kumar Sarkar "Formulation of banana flavour". Ref: 39.02.0000.043.37.825.20/866, Date: 29.06.2021
2. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Hoque , Md. Abdus Satter Miah, Ashish Kumar Sarkar Farhana Nur Ahmed, Nahid Jahan "Production of stevioside from *Stevia* dry leaf" Ref: 39.02.0000.043.37.832.20/592, Date: 30.09.2021
3. Production of Cereal based fortifier for Young Children (Six months to five years). Ref: 39.02.0000.043.37.872.21/771, Date: 23.12.2021
4. Production of Cereal based fortifier for Young Children (Five to nine years) Ref: 39.02.0000.043.37.883.21/1294, Date: 23.01.2022
5. A process for the production of "Straw berry Juice Drink": Sharmin Jahan, Md. Motalab, Bushra Mumtaz, B. K. Saha, Sadia Afrin: Accepted on 18/04/2022, Ref. No. 39.02.000.043.37.890.22/1154

C. Process Submitted:

1. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Hoque , Md. Abdus Satter Miah, Ashish Kumar Sarkar. "Formulation of orange flavour".
2. Mohammad Nazrul Islam Bhuiyan, Sadia Afrin, Mohammad Amirul Hoque , Md. Abdus Satter Miah, Ashish Kumar Sarkar. "Formulation of lemon flavour".
3. Kanika Mondal and Salma Ahmed. "Production of Protein and Vitamin A enriched Bread Spread".

Publications

Paper published

01. Tasnu Ara, M. N. Uddin, Ummey Hafsa Bithi, Kanika Mitra*. A Study on Nutritional Assessment and Adulteration of Raw and Pasteurized Milk Collected from Local Markets in Dhaka City. *North American Academic Research*. Vol 4, issue 8 (100-111), 2021 (DOI:10.13140/RG.2.2.18297.90721,)
02. Md. Nazim Uddin and Xiaosheng Wang. Identification of breast cancer subtypes based on gene expression profiles in breast cancer stroma. *Clinical Breast Cancer*, April 2022, (IF is 3.23). <https://doi.org/10.1016/j.clbc.2022.04.001>
03. Jie Wang, Md. Nazim Uddin, Qian Li, Alidan Aierken, Ming-Yuan Li, Rui Wang, Qian-zhi Yan, Dilare Adi, Ming-Tao Gai, and Yun Wu. Identifying Potential Mitochondrial Proteome Signatures Associated with the Pathogenesis of Pulmonary Arterial Hypertension in the Rat Model. *Oxidative Medicine and Cellular Longevity*, 21 February, 2022, Co-first author, (IF is 6.54). <https://doi.org/10.1155/2022/8401924>
04. Md. Nazim Uddin, Xiaosheng Wang, Identification of key tumor stroma-associated transcriptional signatures correlated with survival prognosis and tumor progression in breast cancer. *Breast Cancer*, 12 January, 2022, (IF is 4.24).
05. Jie Wang, Md. Nazim Uddin, Jian-Ping Hao, Rong ;. Chen, Yun-Xia Xiang, Dai-Qin, Xiong, Yun Wu. Identification of potential novel prognosis-related genes through transcriptome sequencing, bioinformatics analysis, and clinical validation in acute myeloid leukemia. *Frontiers in Genetics*, 29 October 2021, Co-first author, (IF is 4.60). <https://doi.org/10.3389/f-gene.2021.723001>
06. Md. Atiar Rahman , Md. Nazim Uddin , Nouf Abubakr Babteen , Afnan M. Alnajeebi , Zainul Amiruddin Zakaria, and Salama Mostafa Aboelenin. Natural Compounds from Hatikana Extract Potentiate Antidiabetic Actions as Displayed by In Vivo Assays and Verified by Network Pharmacological Tools. Volume 2021, Article ID 6978450, *BioMed Research International*, (IF is 3.41). <https://doi.org/10.1155/2021/6978450>
07. Sharmin Afroz, Shadreen Fairuz, Jahanara Alam Joty, Md. Nazim Uddin, Md Atiar Rahman. Virtual screening of functional foods and dissecting their roles in modulating gene functions to support post COVID-19 complications. *Journal of food biochemistry*, October 2021, (IF is 2.72). <https://doi.org/10.1111/jfbc.13961>
08. A M Abu Ahmed¹, Md. Atiar Rahman, Md. Amjad Hossen, A. S. M. Ali Reza, Md. Shahdul Islam, Md. Mamunur Rashid, Md. Khalid Juhani Rafi, Md. Tanvir Ahmed Siddiqui, Abdullah Al-Noman, Md. Nazim Uddin. Epiphytic *Acampe ochracea* orchid relieves paracetamol-induced hepatotoxicity by inhibiting oxidative stress and upregulating antioxidant genes in in vivo and virtual screening. *Biomedicine & Pharmacotherapy*. Volume 143, November 2021, 112215, (IF is 6.53). <https://doi.org/10.1016/j.biopha.2021.112215>

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10. Forid, M.S.; Rahman, M.A.; Aluwi, M.F.F.M.; Md. Nazim Uddin.; Roy, T.G.; Mohanta, M.C.; Huq, A.M.; Amiruddin Zakaria, Z. Pharmacoinformatics and UPLC-QTOF/ESI-MS-Based Phytochemical Screening of *Combretum Indicum* against Oxidative Stress and Alloxan-Induced Diabetes in Long-Evans Rats. *Molecules* 2021, 26, 4634, (IF is 4.41). DOI: 10.3390/molecules26154634
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12. Aziz, A., Hassan, A., Roy, S., Haque, M., Saha, B., Ahmed, S., Rahman, M., Mohanta, L., & Mashuk, O; "Potential of *Gracilaria tenuistipitata* var. *liui* grown in Nuniachara, Cox's Bazar, Bangladesh", *Bangladesh Journal of Scientific and Industrial Research*; Vol.: 56(1); Page: 39-46, 2021
13. Asif, A. H. M., Sarker, M.A. H., Deb, G. K., Habib, M. R., Arefin, S., Bari, M. S., Islam, M. Z., Md Harun-Ur-Rashid, Siddiki, M. S. R., Shahjadee, U. F., Lisa, S. A., Ahmed, S., Islam, M. A. "Fatty Acid and Amino Acid Profiles of Cheese, Butter, and Ghee made from Buffalo Milk", *Journal of Advanced Veterinary and Animal Research* DOI: 10.5455/javar.2022.i579. Vol.: 9(1); Page: 144-154, 2022
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19. AM Swaraz, Fariha Sultana, Md Wasim Bari, Khondoker Shahin Ahmed, Mehedi Hasan, Monirul Islam, Mohammad Amirul Islam, Mohammed A. Satter, Md Hemayet Hossain, Md Shafiqul Islam, Md Iqbal Khan, Md Obayed Raihan. Phytochemical Profiling of *Blumea laciniata*(Roxb.) DC. and its phyto-pharmaceutical potential against diabetic, obesity, and Alzheimer's. Biomedicine & Pharmacotherapy; 2021: 111859
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24. Motalab M., Mumtaz B , Mohajan S, Saha B K, Jahan S. Heavy metals, trace elements, minerals and ascorbic acid content of occasionally consumed eight indigenous fruits in Bangladesh, : Food Research, Accepted on 19.01.2022
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