

Supplementary Materials

The Advancement in Membrane Bioreactor (MBR) Technology toward Sustainable Industrial Wastewater Management

Tanzim Ur Rahman ¹, Hridoy Roy ¹, Md. Reazul Islam ^{1,2}, Mohammed Tahmid ¹, Athkia Fariha ¹, Antara Mazumder ^{1,3}, Nishat Tasnim ¹, Md. Nahid Pervez ⁴, Yingjie Cai ⁵, Vincenzo Naddeo ^{4,*} and Md. Shahinoor Islam ^{1,6,*}

¹ Department of Chemical Engineering, Bangladesh University of Engineering and Technology, Dhaka 1000, Bangladesh

² Department of Civil Engineering, Louisiana Tech University, Ruston, LA 71270, USA

³ Department of Chemical Engineering, Auburn University, Alabama, USA⁴ Sanitary Environmental Engineering Division (SEED), Department of Civil Engineering, University of Salerno, via Giovanni Paolo II 132, 84084 Fisciano, SA, Italy

⁵ Hubei Provincial Engineering Laboratory for Clean Production and High Value Utilization of Bio-Based Textile Materials, Wuhan Textile University, Wuhan 430200, China

⁶ Department of Textile Engineering, Daffodil International University, Dhaka 1341, Bangladesh

* Correspondence: vnaddeo@unisa.it (V.N.); shahinoorislam@che.buet.ac.bd (M.S.I.)

Table S1. Different MBR technology supplier, their based country and types of MBR products.

MBR Technology Supplier	Based in	MBR Products and Systems
SUEZ—Water Technologies & Solutions	Trevose, PA USA	<ul style="list-style-type: none"> • ZeeWeed 500 • LEAPmbr • LEAPprimary
KUBOTA Corporation	Osaka, Japan	<ul style="list-style-type: none"> • SP Series • RM/RW Series • FS/FK Series
Memstar	Conroe, TX, USA	<ul style="list-style-type: none"> • Submerged MBR modules (SMM-1015T, SMM-1522T, and SMM-2030T) • Submerged MBR skids capable of treating up to 300 gpm (1,625 m³/day)
ECONITY Co., Ltd.	California, USA	<ul style="list-style-type: none"> • CF Series, C-Type • CF Series, E-Type
Beijing Origin Water Technology Co., Ltd. (BOW)	Beijing, China	<ul style="list-style-type: none"> • Membrane Bio-Reactor Unit (MBRU)
Mitsubishi Chemical Aqua Solutions Co., Ltd.	Tokyo, Japan	<ul style="list-style-type: none"> • Sterapore
Europe Membrane	Paterna, Spain	<ul style="list-style-type: none"> • MBRable • MBRable Train • MBRable Pack
BioMicrobics, Inc.	Kansas, USA	<ul style="list-style-type: none"> • BioBarrier® HSMBR® • BioBarrier® MBR • BioBarrier® GWMBR™ • BioBarrier® MarineMBR™
MEMCON (Pty) Ltd.	Gauteng, South Africa	<ul style="list-style-type: none"> • Bio-Cel® Flat Sheet Membrane
Shanghai Sperta Environmental Technology Co., Ltd.	Shanghai, China	<ul style="list-style-type: none"> • SPERTA MBR Membrane Element • SPERTA MBR Membrane Module • SPERTA MBR Membrane System