

PROCESSES DEVELOPED (Oct – Dec. 2020):

Sr. No.	Title of Process	Inventors/ Developers	Year/ Month	Field/ Industry
1.	Coating of Aluminum Alloy with Copper through Electroplating.	Engr. Abdullah Saqib et. al.	October 2020	Electroplating
2.	Design & Development of Rocket Stove.	Engr. Ali Imran et. al.	October 2020	Energy
3.	Shelf life stability/extension study of Mango Juice Premix	Dr. Khurram et. al.	October 2020	Food Industry
4.	Red Chilli Sauce	Dr. Shahid Masood et. al.	October 2020	Food Industry
5.	Production of Low Fat and High Protein Egg Powder as per instruction of DG LLC and Chairman PCSIR Labs.	---	October 2020	Fish Feed Industry
6.	Hemp Seed Oil	Dr. Zafar Iqbal	October 2020	Cosmetics Industry
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8.	Bituminous Solution	Dr. Zafar Iqbal	October 2020	Auto Industry
9.	Hemp Seed Oil	Dr. Zafar Iqbal	October 2020	Cosmetics Industry
10.	Measurement of Temperature Rise by Change in Resistance Methods	Muhammad Azhar, et.al.	November. 2020	M/s Hammad Engineering Company (Pvt.) Ltd, Lahore
11.	Measurement of Primary & Secondary Winding Voltage & Temperature of Transformers.	Muhammad Azhar, et.al.	November. 2020	M/s Skypower (Pvt.) Ltd, Lahore
12.	Soya sauce	Dr. Shahid Masood, et.al.	November. 2020	Food Industry
13.	Pilot Plant scale Production of low fat and high protein egg powder as per instruction of DG LLC and Chairman PCSIR. (Development of research	FBRC, ACRC, UMW	November. 2020	Fish Feed Industry

	consortium for project titled “Pilot Project for data Driven rendering Hatchery waste into high value protein source for poultry and fish feeds.”)			
14.	Suitability of pozzolanic material used in mega construction projects	Mr. Akhtar Shahnaz, <i>et.al.</i>	November. 2020	Ceramics Industry
15.	Bench scale Solvent Extraction of Molybenium from Chalcopyrite, Molybedite, concentrate.	Dr. Irfan Hafeez	November. 2020	Minerals Industry
16.	Optimization of natural gas burner (20-100 mbar) to operate at low gas pressure during winter.	Engr. Ali Imran <i>et.al.</i>	November. 2020	Food Dehydration
17.	Maintenance & fault detection of extrusion unit.	Engr. Ali Imran <i>et.al.</i>	November. 2020	Food Dehydration
18.	Fabrication of welding plant moving mechanism.	Engr. Ali Imran <i>et.al.</i>	November. 2020	Mechanical
19.	Design and development of Bank Currency Note Disinfectant Unit	Engr. Ali Imran <i>et.al.</i>	November. 2020	COVID 19/Banks
20.	Designing and development of 500ml egg beater	Engr. Ali Imran, <i>et.al.</i>	Food Industry	December, 2020
21.	Pilot Scale setup for fat Extraction.	Dr. Zia ur Rehman, <i>et.al.</i>	Veterinary Feed	December, 2020
22.	Semi Scale grinding of Pine Needles	Engr. Ali Imran <i>et.al.</i>	Bio-Fuel	December, 2020
23.	Pellet making Machine	Engr. Ali Imran, <i>et.al.</i>	Bio-Fuel	December, 2020
24.	Soliding Paste for Electric Wires Joints.	Dr. Zafar Iqbal	Construction Industry	December, 2020
25.	Electroencephalogram (EEG) Paste.	Dr. Zafar Iqbal	Construction Industry	December, 2020
26.	Enhancement in Nutritional Profiling of Confectionary Products	Dr. Ijaz Ahmad, <i>et.al.</i>	Food Industry	December, 2020
27.	Modification of Grain Size by heat treatment process of TiN coatings for surgical Industry	Engr. Muhammad Irfan <i>et.al.</i>	Surgical Sector, Sialkot	December, 2020

28.	Development of rare earth metal nano-ferrites by Solgel method	Ms. Sumaira Nosheen <i>et.al.</i>	Batteries for electric vehicles	December, 2020
29.	Fabrication of Smart Energy Storage Devices by Super Capacitive Effect	Syed Zaheer Abbas <i>et.al.</i>	Energy materials	December, 2020
30.	Thermal behavior of waste egg shells for HA synthesis	Farzana Habib <i>et.al.</i>	Orthopedic Industry	December, 2020