



Sr. No.	Name of Item	Figure
1	Continuously stirred tank reactor (C.S.T.R)	
2	Isothermal Continuously stirred tank reactor (Isothermal C.S.T.R)	

3

Cascade Continuously stirred tank reactor (Cascade C.S.T.R)



4

RTD studies in continuously stirred tank reactor



5

Combined flow reactor



6

Plug flow reactor (straight tube type)



7

Isothermal plug flow reactor
(coiled tube type)



8

Packed bed reactor



9

RTD of packed bed reactor



10

Isothermal batch reactor



11


Isothermal semi-batch reactor






12

Adiabatic batch reactor



13	Kinetics of dissolution of Benzoic acid	
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16	Lab autoclave stirred-interchangeable-glass	
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17	Malvern Particle Size analyzer	 A photograph showing a Malvern Particle Size analyzer (PSA) setup on a wooden desk. The main unit is a tall, silver, cylindrical device. To its right is a smaller, black, cylindrical component. A printer is visible on the desk to the right. A sign on the wall above the desk reads "PARTICLE SIZE ANALYZER (PSA)".
18	GCMS-XL EI/CI MSD/DS Turbo CI system (G3245A)	 A photograph of a GCMS-XL EI/CI MSD/DS Turbo CI system (G3245A) on a desk. The system consists of a large, white, rectangular unit with a vertical column on top. A computer monitor, keyboard, and mouse are connected to the system. A sign on the wall above the desk reads "GCMS-XL EI/CI MSD/DS Turbo CI system (G3245A)".
21	On-line NDIR Flue gas CO2 Analyzer	 A photograph of an on-line NDIR Flue gas CO2 analyzer. The device is a large, grey, rectangular unit with a control panel on the front. It is placed on a wooden desk. The control panel features a small screen, several buttons, and a large circular dial.