

CURRICULUM VITAE

SACHIN KUMAR

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OBJECTIVE:

AIM TO BE ASSOCIATED WITH A PROGRESSIVE ORGANIZATION THAT GIVES ME SCOPE TO APPLY MY KNOWLEDGE AND SKILLS ESPECIALLY IN THE AREA OF R & D AND TO INVOLVE AS PART OF THE TEAM THAT DYNAMICALLY WORKS TOWARDS THE GROWTH OF THE ORGANIZATION.

EDUCATIONAL QUALIFICATION:

- ☐ HIGH SCHOOL IN 2006 PASSED FROM U.P BOARD ALLAHABAD.
- ☐ INTERMEDIATE IN 2009 PASSED FROM U.P BOARD ALLAHABAD.
- ☐ PASSED B.SC. IN 2012 FROM MJP UNIVERSITY BAREILLY.
- ☐ PASSED M.SC IN ORGANIC CHEMISTRY 2014 FROM CCS UNIVERSITY, MEERUT.

WORK EXPERIENCE:

- ☐ WORK HISTORY(TOTAL EXPERIENCE-4 YEARS)
- ☐ 2.5 YEARS' EXPERIENCE IN JUBILANT LIFE SCIENCES LIMITED GAJRAULA, AMROHA AS A TRAINEE CHEMIST (RESEARCH AND DEVELOPMENT LAB) FROM 28-JULY-2014 TO 09-DECEMBER-2016.
- ☐ CURRENTLY WORKING WITH M/S SRF LIMITED BHIWADI, RAJASTHAN FROM 12-DECEMBER-2016 TO PRESENT AS A JUNIOR OFFICER IN PROCESS ENGINEERING LAB.

(TECHNOLOGY TRANSFER GROUP)

JOB RESPONSIBILITY:

- ☐ CHEMICAL PROCESS SAFETY EXPERIMENTS AND DATA GENERATION FOR SCALE UP
- ☐ TO DETERMINE THE ENTHALPY OF REACTION USING MODERN EQUIPMENT LIKE REACTION CALORIMETER.

- ☐ TO DETERMINE THE THERMAL STABILITY OF GIVEN COMPOUNDS THROUGH DIFFERENTIAL SCANNING CALORIMETER.
- ☐ CHEMICAL HAZARD STUDY OF INTERMEDIATES, RAW MATERIALS FINAL PRODUCTS, RUNWAY REACTIONS BY ADIABATIC RATE CALORIMETER FOR SCALE-UP AND SAFETY PARAMETERS.
- ☐ MIXING STUDIES FOR SCALE-UP USING AUTOMATIC LAB REACTORS (ALR SYSTAG).
- ☐ VAPOR-LIQUID EQUILIBRIUM STUDIES FOR DISTILLATION COLUMN DESIGNING AND DISTILLATION STUDIES.
- ☐ HIGH PRESSURE GASEOUS REACTIONS OPTIMIZATION LIKE HYDROGENATION.
- ☐ REACTION COMPARISONS STUDIES ACCORDING TO VARIATION OF DIFFERENT PARAMETERS USING DOE BY USING INSTRUMENT PARALLEL SYNTHESIZER.
- ☐ ACTIVELY PARTICIPATION IN PROBLEM SOLVING SESSION/TRAINING PROGRAMS COORDINATION AND COMMUNICATION WITH TEAM.

SKILLS:

- ☐ BENCH SCALE EXPERIMENTS AS PER PLANNING.
- ☐ IDENTIFICATION OF CRITICAL PARAMETERS.
- ☐ CO-ORDINATION WITH QC FOR ANALYTICAL SUPPORT/DEVELOPMENT.
- ☐ PREPARE SAMPLE AS PER REQUIRED QUALITY.
- ☐ OPTIMIZATION OF PROCESS W.R.T IDENTIFIED CRITICAL PARAMETERS.
- ☐ IMPURITIES CHARACTERIZATION AND SYNTHESIS.
- ☐ UNDERSTANDING THE PARAMETERS RESPONSIBLE FOR IMPURITIES
- ☐ TO GUIDE SUBORDINATE FOR EXECUTION OF EXPERIMENTS.
- ☐ PROCESS VALIDATION BY REPRODUCING MIN. THREE CONSECUTIVE BATCHES.
- ☐ PREPARE PROCESS WRITE-UP SOP.
- ☐ EXPERIMENTAL OBSERVATION AND DATA COMPILATION.
- ☐ PREPARATION OF DAILY REPORTS.
- ☐ DEMO BATCHES TO PD.
- ☐ SUPPORT TO KILO LAB/PILOT PLANT/MANUFACTURING SITE DURING TECHNOLOGY TRANSFER.
- ☐ TROUBLE SHOOTING DURING SCALE UP.
- ☐ DATA COMPILATION AND TIME TO TIME UPDATE OF KL/PP TRIALS.
- ☐ TO DETERMINE THE ENTHALPY OF REACTION USING MODERN EQUIPMENT LIKE REACTION CALORIMETER.

- ☐ TO DETERMINE THE THERMAL STABILITY OF GIVEN COMPOUNDS THROUGH DIFFERENTIAL SCANNING CALORIMETER.

REACTION OPERATION SKILLS:

- ☐ HYDROGENATION REACTIONS.
- ☐ HIGH PRESSURE REACTIONS IN AUTOCLAVES, FLUORINATION, BROMINATION, CHLORINATION, BALZ-SCHIMEN REACTION, NITRATION, DIAZOTIZATION, HYDROLYSIS, ESTERIFICATION,
- ☐ DOWNSTREAM OPERATIONS LIKE-DISTILLATION, FILTRATION, SEPARATION, CRYSTALLIZATION.

EQUIPMENT HANDLING:

- ☐ RC1E (REACTION CALORIMETER)
- ☐ DSC(DIFFERENTIAL SCANNING CALORIMETER)
- ☐ FBRM(FOCUSED BEAM REFLECTANCE MEASUREMENT)
- ☐ ARC(ACCELERATING RATE CALORIMETER)
- ☐ AUTOMATED DISTILLATION UNIT
- ☐ PARALLEL SYNTHESIZER
- ☐ AUTOMATED LAB REACTORS(GLASS)
- ☐ ROTAVAPOUR
- ☐ MELTING POINT APPARATUS
- ☐ FIXED AND FLUIDIZED BED REACTORS
- ☐ pH METER
- ☐ CENTRIFUGE
- ☐ AUTOCLAVES(HASTELLOY & STAINLESS STEEL)

PERSONAL DETAILS:

- ☐ NAME : SACHIN KUMAR
- ☐ FATHER'S NAME : BRAJPAL SINGH
- ☐ DATE OF BIRTH : 04-07-1990
- ☐ MARITAL STATUS : MARRIED

☐ LANGUAGES KNOWN : HINDI(FLUENT) & ENGLISH(CONVERSATIONAL)

☐ HOBBIES : PLAYING CRICKET, LISTENING MUSIC, READING BOOKS

SELF-ASSESSMENT:

I HAVE A FLAIR FOR LEARNING NEW THINGS AND ACCEPTING CHALLENGES, I ALSO HAVE A REALIZATION AND STRONGLY BELIEVE THAT SKILL, DETERMINATION, LOGICAL THINKING AND DEDICATION, CAN PROVE TO BE AN ASSET TO ANY ORGANIZATION.

DATE:
KUMAR)

(SACHIN