



Sachin Gondhalekar

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I have over five years of experience in Research and Development. Worked on cement, chemicals and fibers projects. Strong process chemistry background and experience of working closely with the plant. Expertise in project planning, execution, review, recommendations, coordination with team members and senior leadership team. Experience of working at bench scale and scaling up to plant level implementation.

Experience

Senior Scientist, July 2017 - Present

Aditya Birla Science and Technology Co. Pvt. Ltd.

Project Leader for various business and exploratory research projects • Project planning, execution, review, recommendations/deliveries and co-ordination of team members/activities • Support and develop pipeline projects for the team • Process feasibility study at bench (Lab) scale experiments • DOE, Process parameter optimization • Analytical method development • SOP preparation for pilot scale purpose based on lab scale study • Process Development – Technology translation to plant by scaling up the lab process to pilot • Plant visits • Health & Safety audits of pilot & lab scale operations • Discussion with leadership team/customer in business review meetings.

Scientist, August 2014 - June 2017

Aditya Birla Science and Technology Co. Pvt. Ltd.

Project execution, recommendations/deliveries in components of business project • Supporting team members towards baselining and replication of process improvement solutions to other lines/plants • Planning and conducting experiments and analysing or interpreting the results • Using specialist computer software to analyse data and to produce diagrammatic representation of results • Writing and submitting reports to businesses • Carrying out presentations or discussions at team meetings with colleagues • To stay in touch with developments and advances in the field of research by reading relevant scientific literature and journals • Attending scientific meetings and conferences in order to hear presentations from other researchers and participate in informal discussions with scientists from other parts of the world.

Research Associate, June 2008 - October 2010

Aditya Birla Science and Technology Co. Ltd.

• Execute experimental plan scientifically • Maintain experimental work • Conduct/provide support in testing and data interpretation using XRD, SEM, Optical microscopy and various other characterization methods. Significant accomplishments • Helped in setting up new cement lab for R&D to cater business needs. • Value addition of Sodium sulphate by converting it into Glauber's salt & to prepare a commercially viable formulation of phase change material. • Developed the mortar by alkaline activation of fly ash having compressive strength comparable to 53 grade OPC at room temperature & having low CO₂ emission. • Developed high strength & rapid setting mortar having compressive strength 60MPa in 3 days.

Education

Ph.D. (Chemistry)

Institute of Chemical Technology

Thesis: To study biosorption process feasibility and process optimization at the scale-up level along with batch studies using a cheap agro-waste material to eradicate heavy metals.

M.Sc. (Inorganic)

Institute of Science, Mumbai

Subjects studied: • Thermodynamics • Chemical Kinetics • Electrochemistry • Organic Chemistry • Analytical Chemistry • Solid state chemistry • Co-ordination Chemistry

B.Sc. (Chemistry)

Mumbai University, Mumbai

Subject studied: • Organic Chemistry • Inorganic Chemistry • Physical Chemistry • Analytical Chemistry • Heavy and Fine chemicals