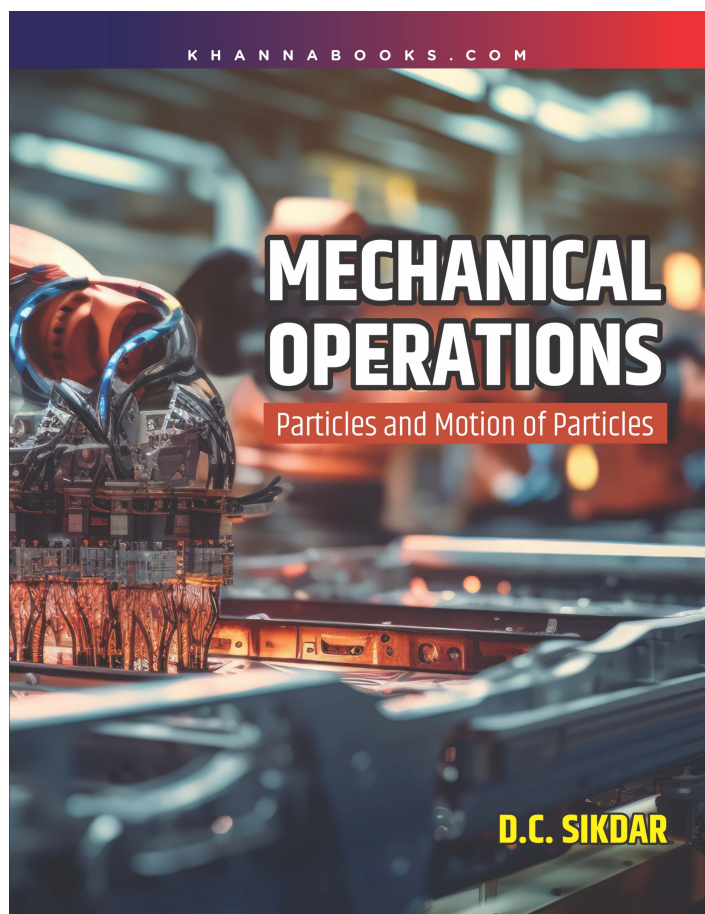




## Mechanical Operations (Particles and Motion of Particles)

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Author :</b>         | D.C. Sikdar                          |
| <b>ISBN 13 :</b>        | 978-93-55380-50-0                    |
| <b>ISBN 10 :</b>        | 93-55380-50-X                        |
| <b>E-ISBN 13 :</b>      | 978-93-55380-50-0                    |
| <b>Edition :</b>        | 1                                    |
| <b>Pages :</b>          | 236                                  |
| <b>Type of book :</b>   | Paperback                            |
| <b>Weight (g) :</b>     | 370.00                               |
| <b>Year :</b>           | 2025                                 |
| <b>Language :</b>       | English                              |
| <b>Publisher :</b>      | Khanna Publishing House              |
| <b>M.R.P :</b>          | Rs 345.00                            |
| <b>Categories :</b>     | <a href="#">Chemical Engineering</a> |
| <b>Condition Type :</b> | New                                  |
| <b>Country Origin :</b> | India                                |

### Product Description

MECHANICAL OPERATIONS Particles and Motion of Particles Chapters Covered: 1. Introduction. 2. Particle Technology. 3. Size Reduction. 4. Flow of Fluid Past Immersed Bodies. 4. Motion of Particles Through Fluids. 6. Sedimentation. 7. Filtration. 8. Agitation and Mixing. 9. Sampling Storage and Conveying of Solids. 10. Magnetic Separations. 11. Jigging.

---

## Table of Contents

---

**Chapter 1:** Introduction. **Chapter 2:** Particle Technology. **Chapter 3:** Size Reduction. **Chapter 4:** Flow of Fluid Past Immersed Bodies. **Chapter 5:** Motion of Particles Through Fluids. **Chapter 6:** Sedimentation. **Chapter 7:** Filtration. **Chapter 8:** Agitation and Mixing. **Chapter 9:** Sampling, Storage and Conveying of Solids. **Chapter 10:** Magnetic Separations. **Chapter 11:** Jigging.

---

## Author

---

**D. C. Sikdar** (Ph.D.) is an associate professor, Department of Chemical Engineering, Dayananda Sagar College of Engineering, Bangalore, with more than two and half decades of teaching experience. Prof. Sikdar has published many papers in national and international journals of repute. he has received Best Research Thesis Award from Karnataka State Bio-fuel Development Board for guiding M. Tech Thesis on “Development of Bio-Hydrogen Dependent Fuel Cell using Micro Algae” in 2012. Prof. Sikdar is also a member of Indian Society of Technical Education (ISTE) and Indian Institute of Chemical Engineers (IICE).

---

