

# R. P. Chhabra

## Complete list of Books

### Books

1. R. P. Chhabra and D. De Kee, (Eds.) *Transport Processes in Bubbles, Drops and Particles*, Hemisphere, New York (1991) (ISBN: 0 89116 999 7).
2. R. P. Chhabra, *Bubbles, Drops, and Particles in Non-Newtonian Fluids*, CRC Press, Boca Raton, FL (1993) (ISBN: 0 8493 6718 2). Reprinted, 1994. **Second edition, 2006**. CRC Press, Boca Raton, FL (ISBN: 0 8247 2329 5) pp 800.
3. P. J. Carreau, D. De Kee and R. P. Chhabra, *Rheology of Polymeric Systems: Principles and Applications*, Hanser, Munich (1997) (ISBN: 1 56990 218 6).
4. D. Siginer, D. De Kee and R. P. Chhabra (Eds.), *Advances in the Flow and Rheology of Non-Newtonian Fluids*, Parts A & B, Elsevier, Amsterdam (1999) ( ISBN : 0 44482 679 3).
5. R. P. Chhabra and J.F.Richardson, *Non-Newtonian Flow in the Process Industries: Fundamentals and Engineering Applications*, Butterworth-Heinemann, Oxford (1999) (ISBN: 0 7506 3770 6).
6. D. De Kee and R. P. Chhabra (Eds.) *Transport Processes in Bubbles, Drops and Particles*, Volume 2, Taylor & Francis, New York, (2002) (ISBN: 1 56032 9068).
7. R. P. Chhabra and J. F. Richardson, *Non-Newtonian Flow and Applied Rheology*, IInd edition, Butterworth-Heinemann, Oxford, U. K. (2008) (ISBN: 978-0-7508-8532-0) pp.536.

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1. R. P. Chhabra, Steady non-Newtonian flow about a rigid sphere, *Encyclopedia of Fluid Mechanics*, Vol.1: Edited by N.P. Cheremisinoff, Gulf, Houston (USA) pp.983-1023 (1986).

2. R.P. Chhabra and J.F. Richardson, Co-current horizontal and vertical upwards flow of gas and non-Newtonian Liquid, *Encyclopedia of Fluid Mechanics*, Vol.III Edited by N.P. Cheremisinoff, Gulf, Houston (USA) pp.563-609 (1986).
3. R.P. Chhabra, Hydrodynamics of bubbles and drops in rheologically complex liquids, *Encyclopedia of Fluid Mechanics*, Vol.VII Edited by N.P. Cheremisinoff, Gulf, Houston (USA) pp.253-286 (1988).
4. R.P. Chhabra and P.H.T. Uhlherr, Static equilibrium and motion of spheres in viscoplastic liquids, *Encyclopedia of Fluid Mechanics*, Vol.VII: Edited by N.P. Cheremisinoff, Gulf, Houston (USA) pp.611-633 (1988).
5. R.P. Chhabra, Hydraulic transport of solids in horizontal pipes, *Civil Engineering Practice*, Vol.II Edited by P.N. Cheremisinoff, N.P. Cheremisinoff and S.L. Cheng., Technomic, Lancaster, PA (USA), pp. 251-295 (1988).
6. R.P. Chhabra, Diffusion in liquid metal systems: A predictive approach, *Handbook of Ceramics and Composites*, Vol.I: Edited by N.P. Cheremisinoff, Marcel Dekker, New York (USA) 601-627 (1990).
7. R.P. Chhabra, Transport properties of liquid metals, *CRC Handbook of Chemistry and Physics*, E-12; F51-53, 70th Edition CRC, Boca Raton, Fl (1989/90) and subsequent editions.
8. R.P. Chhabra, *Liquid Mixing Chemical Engineering*, Vol.1: J.M. Coulson and J.F. Richardson, 225-260, IVth edition, Pergamon, Oxford (1990) and subsequent editions.
9. R.P. Chhabra, *Viscosity of Liquid Metals*, *CRC Handbook of Chemistry and Physics*, E-12, F51-55, 71st edition CRC, Boca Raton, FL (1990/91) and subsequent editions.
10. R.P. Chhabra and D. DeKee, Fluid particles in rheologically complex media, *Transport Processes in Bubbles, Drops and Particles*, Hemisphere, New York, (1991) Chapter 2.
11. R.P. Chhabra, Fluid flow, heat and mass transfer in non-Newtonian fluids: Multiphase systems, *Advances in Heat Transfer*, 23, 187-278 (1993).
12. R.P. Chhabra, Transport processes in particulate systems with non-Newtonian fluids, *Advances in Transport Processes*, 9, 501-577, Elsevier, Amsterdam (1993).
13. U.K. Ghosh, S.N. Upadhyay and R.P. Chhabra, Heat and mass transfer from immersed bodies to non-Newtonian Fluids, *Advances in Heat Transfer*, 25, 251-319 (1994).
14. R.P. Chhabra, Hydrodynamics of non-spherical particles in non-Newtonian fluids, *Handbook of Applied Polymer Processing Technology*, edited by N.P. Cheremisinoff and P.N. Cheremisinoff, Chapter 1, Marcel Dekker, New York (1996).
15. R.P. Chhabra, U.K. Ghosh, Y. Kawase and S.N. Upadhyay, Non-Newtonian effects in bubble column reactors, *Multiphase reactor and Polymerisation System Hydrodynamics*, edited by N.P. Cheremisinoff, pp.539-570, Gulf, Houston, (1996).
16. D. DeKee, R.P. Chhabra and D. Rodrigue, Hydrodynamics of free rise of bubbles in non-Newtonian polymer solutions, *Handbook of Applied Polymer Processing Technology*,

edited by N.P. Cheremisinoff and P.N. Cheremisinoff, Chapter 3, Marcel Dekker, New York (1996).

17. R.P. Chhabra, Terminal velocity of particles, *Encyclopedia of Chemical Processing & Design*, edited by J.J. McKetta, Vol.57, pp.135-143, Marcel-Dekker, New York (1996).
18. R.P. Chhabra, Heat and mass transfer in rheologically complex systems, *Advances in the Flow and Rheology of Non-Newtonian Fluids*, edited by D.A. Siginer, D. DeKee and R.P. Chhabra, Chapter 39, Elsevier, Amsterdam (1999).
19. R.P. Chhabra, Wall effects on spheres falling axially in cylindrical tubes, *Transport Processes in Bubbles, Drops and Particles*, 2<sup>nd</sup> edition, Eds. D. DeKee and R.P. Chhabra, Taylor & Francis, New York, Chapter 13 (2002).
20. R. P. Chhabra, Fluid mechanics and heat transfer with non-Newtonian liquids in mechanically agitated vessels, *Advances in Heat Transfer*, 37, 77-178 (2003).
21. R. P. Chhabra , Non-Newtonian Fluids: An Introduction, *Rheology of Complex Fluids*, Eds. A. P. Deshpande, J. Murali Krishnan and P. B. Sunil Kumar & Springer, Munich, Chapter 1 (2010).
22. R. P. Chhabra, Fluid flow and heat transfer from circular and non-circular cylinders submerged in non-Newtonian liquids, *Advances in Heat Transfer*, 43, 289-417 (2011).