

Bibliografia essenziale

Il Lettore troverà qui alcuni riferimenti a testi di livello sugli argomenti trattati in questo manuale. Vi si trovano alcuni testi "fondamentali", che ogni laboratorio di materiali dovrebbe possedere, ed altri che sono solamente consigliati.

Cap.1 - Macinazione e granulazione

**Crushing and Grinding Process Handbook*, Prasher C.L., Linora Tech. Associates, John Wiley & Sons, 1987

Basics in Mineral Processing – Metso Minerals Co

<https://www.metso.com/contentassets/0efc5d1a7c5a4357baecc5e990dc1fe7/basics-in-mineral-processing-handbook-18-lr.pdf>

Materials Handbook, A Concise Desktop Reference, Cardarelli Francois, Springer, ISBN 978-1-84628- 668-1, 2018

Cap.3 - Trattamenti termici

**Heat Treatment - Master Control Manual*, William E. Bryson, 2015, ISBN 978-1-56990-485-5

Cap.2 - Analisi Granulometriche

Particle Size Characterization Ajit Jillavenkatesa Stanley J. Dapkunas Lin-Sien H. Lum, NIST Publication, Jan. 2001 <https://www.govinfo.gov/content/pkg/GOVPUB-C13-b439fe523409ad8e8d75fd5274f0fc5b/pdf/GOVPUB-C13-b439fe523409ad8e8d75fd5274f0fc5b.pdf>

Cap.4 - Preparazione di sezioni lucide e sottili

**Guide to Thin Section Microscopy II Edition*, Raith M.M., Raase P., Reinhardt J. Mineralogical Society of America, ISBN 978-3-00-037671-9, 2012

Mineralogy and Optical Mineralogy Laboratory Manual, B. D. McNamee, M. E. Gunter,

http://www.minsocam.org/msa/openaccess_publications/McNamee_Gunter_Lab_Manual.pdf

**Handbook of Soil Analysis*, Mineralogical, Organic and Inorganic Methods
Authors: Pansu, Marc, Gautheyrou, Jacques; Springer , 2006

Cap.5 - Preparazione di campioni per analisi chimiche in ICP e AAS

Inductively Coupled Plasma-Mass Spectrometry - 1st Edition - Practices and Techniques, Howard Taylor, Academic Press, 2000, ISBN: 9780126838657

**Discrete Sample Introduction Techniques for Inductively Coupled Plasma Mass Spectrometry*, D. Beauchemin D.C. Grégoire D. Günther V. Karanassios Jean-Michel Mermet T.J. Wood, Volume 34, 1st Edition, 2000, ISBN: 9780444899514

Cap.6 - Preparazione dei campioni ed Analisi in Fluorescenza RX

Handbook of Practical X-Ray Fluorescence Analysis, Beckhoff, B., Kanngießner, B., Langhoff, N., Wedell, R., Wolff, H. (Eds.), Springer-Verlag, 2006, ISBN 978-3-540-28603-5

* *X-ray Fluorescence Spectrometry*, Jenkins, R., Wiley, ISBN 0-4712-9942-1

Practical X-ray Spectrometry, Jenkins, R., De Vries, J. L., Macmillan, ISBN 0-3333-4456-1

* *Quantitative X-ray Spectrometry*, Jenkins, R., R.W. Gould, R. W., Gedcke, D., Marcel Dekker, ISBN 0-8247-9554-7

Handbook of X-Ray Spectrometry 2nd ed.; Van Grieken, R. E., Markowicz, A. A., Marcel Dekker Inc: New York, 2002; Vol. 29; ISBN 0-8247-0600-5

Cap.7 - Preparazione dei campioni ed Analisi in Diffrazione RX

* *X-ray Diffraction Procedure For polycrystalline and Amorphous Materials*, H.P. Klug, L. E. Alexander John Wiley & Sons, 1974

A Laboratory Manual for X-Ray Powder Diffraction, L.J. Poppe, V.F.Paskevich, J.C.Hathaway, D.S. Blackwood, U.S. Geological Survey Open-File Report 01-041, <http://pubs.usgs.gov/openfile/of01-041/index.htm>

* *Modern Powder Diffraction* - Mineralogical Society of America, D. L. Bish (Eds.) Mineralogical Society of America, 1989, ISBN 0-939950-24-3

* *X-Ray Diffraction: A Practical Approach*, C. Suryanarayana, M. Grant Norton, Springer Science + Business Media, New York 1998, ISBN 978-1-4899-0150-7

Cap. 8, 9 - Preparazione dei campioni ed Analisi in FTIR – ATR – DRIFT e RAMAN

Handbook of Fourier Transform Raman and Infrared Spectra of Polymers, Volume 45, 1st Edition, A.H. Kuptsov G.N. Zhizhin, Elsevier Science, 1998, ISBN: 9780444826206

* *Handbook of Spectroscopy*. Edited by Günter Gauglitz and Tuan Vo-Dinh Copyright © 2003 WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim ISBN 3-527-29782-0

* *The Infrared Spectra of Minerals*, V. C. Farmer, ISBN electronic: 9780903056533, DOI: <https://doi.org/10.1180/mono-4> European Mineralogical Union

Vibrational (Infrared and Raman) Spectra of Minerals and Related Compounds, Nikita V. Chukanov, Marina F. Vigasina, Springer Mineralogy Book Series, 2020, ISBN978-3-030-26803-9

Cap.10 - Preparazione dei campioni nanostrutturati

* *Handbook of Nanostructured Materials and Nanotechnology*, Five volume set, 1st Edition, Editors: Hari Nalwa, Academic Press, 1999, ISBN: 9780125137607