



Advances in Gold Ore Processing (Developments in Mineral Processing)

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The gold processing industry is experiencing change. As free-milling and oxide ores become depleted, more complex polymetallic and refractory ores are being processed, coupled with increasing pressure for stricter environmental compliance. Recent years have also seen a steady reduction in mineral processing and metallurgy graduates and a gradual loss of older operating experience. A contribution to documenting current and future best practice in gold ore processing seems timely.

The focus of this volume is on advances in current gold plant operation, from conception to closure; chapters also cover innovations at the bench and pilot-scale level that would be expected to find commercial application at some stage. Sufficient coverage is also given to the chemistry and engineering aspects. The general principle behind the structure of the volume is that of flowsheeting based on unit operations and applied to a mineralogical classification of gold ore types. From concept to closure, this book covers all unit operations, mineralogies and processes that are relevant to dealing with today's complex orebodies.

Practical experience is vital to the successful development, operation and closure of any operation. The 42 chapters have been contributed by a total of 66 authors and co-authors who are experts from countries spanning the globe, and representing exhaustive practical knowledge covering many disciplines relevant to gold processing.

- * Current best practice as elucidated by a select panel of experts in the field
- * Innovations at the bench and pilot-scale level that would be expected to find commercial application at some stage
- * Mineralogical-based approach to flowsheeting

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Editorial Review

Review

"The book should be of great use to mineral processing engineers, metallurgists, process mineralogists, mining engineers, environmental engineers, consultants, plant managers, and students. It is certain that it will be the source book for those working in the field for decades to come. I consider this is the Book of the Year!"

About the Author

Mike Adams is an experienced metallurgist and applied chemist with over 30 years in the minerals industry, covering management of a variety of bankable-level pilot test work projects, resource process development projects and metallurgical laboratories. He is the author of over 60 peer-reviewed papers, editor of two books (including *Advances in Gold Ore Processing*, Elsevier, Amsterdam, 2005) and serves on the Editorial Board of the international journals *Minerals Engineering* (2002-present) and *Mineral Processing and Extractive Metallurgy Review* (1994-2001). He is currently Associate Editor with *Hydrometallurgy Journal* (2013-present).

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