



### Book review

***Modernisation and technology upgradation in cement plants*; S.N. Ghosh and Kamal Kumar, (Eds.); 1999; ABI — Akademia Books International, New Delhi, India; 436 pp., Price: US\$250.00**

This is the most recent, Vol. 5, of the series “Progress in Cement and Concrete” (chief editor of the series is S.N. Ghosh). Former volumes include the following: Vol. 1 (in two parts) — Cement and Concrete: Science and Technology; Vol. 2 (in two parts) — Energy Conservation and Environmental Control in Cement Industry; Vol. 3 — Testing and Quality Control in Cement Industry; and Vol. 4 — Mineral Admixtures in Cement and Concrete. Book reviews of the former volumes have already been published in this journal.

This volume follows the high technical and printing standards of the former volumes. It contains a high number of tables, black-and-white and colored figures, and is equipped with a short subject index.

The book focuses on five aspects within the general title. These are Raw Materials Management, Technology Upgradation, Advancements in Plant Maintenance, Advances in Pyro-Processing Systems, and Particulate Control. Experts from around the world authored the 21 chapters of the book. Only chapter titles can be mentioned here.

These are: (1) Technological trends; (2) Modern surface mining technology, applicable to opencast mines; (3) Preparation and quality assurance of raw meals; (4) Re-engineering and upgradation; (5) Re-think, re-engineering,

close the gaps: New cement information management solutions; (6) Thermoanalytical techniques; (7) Role of X-ray instruments; (8) Particle size distribution: Science and applications; (9) Technologies of new concrete; (10) Refractories for cement kilns; (11) Modern techniques for bricking of cement kilns; (12) Roller mills for the new millenium; (13) Energy-efficient conservation options; (14) Cement science and technology: Emerging trends; (15) Advanced maintenance system; (16) Combustion and heat transfer in rotary kilns; (17) Changing market of fuels for cement manufacture; (18) Emerging and competing technologies for particulate control; (19) Retrofitting: A solution for air pollution control in old plants; (20) Air quality modelling; and (21) Key developments in cement manufacturing: A synopsis.

This list shows that the volume deserves its title: It really covers almost all aspects of up-to-date technology, maintenance and also management solutions, which can be used in cement manufacture. It will definitely serve as a useful guide for all who try to keep pace with the technology upgradation in this important, rapidly expanding and very competitive industry.

Ferenc D. Tamás

*Department of Silicate and Materials Engineering,*

*The University of Veszprém,*

*P.O. Box 158, H-8201*

*Veszprém, Hungary*

*E-mail address: tam043@almos.vein.hu*