reviews covered in this volume: Hearing and balance in zebrafish (T. Nicolson), Immunoglobulin gene diversification (N. Maizels), *Trp* regulation in *B. subtilis* (P. Gollnick *et al*.), Cell-cycle transcriptions in yeasts (J. Bähler), Arthropod body plan evolution (D.R. Angelini *et al*.), Concerted and birth-and death evolution (M. Nei *et al*.), *Drosophila* models of neurodegeneration (J. Bilen and N.M. Bonini), Germline stem cell regulation (M.D. Wong *et al*.), T-box genes in development (L.A. Naiche *et al.*), ENU-induced variants of the mouse genome (P. Papathanasion and C.C. Goodnow), *Drosophila* evolutionary genetics (T.A. Markow and P.M. O´Grady), Sex determination in medaka (M. Matsuda), Mitochondrial and age related diseases (D.C. Wallace), Switches in bacteriophage lambda development (A.B. Oppenheim *et al*.), Nonhomologous end joining in yeast (J.M. Daley *et al*.), Plasmid segregation mechanisms (G. Ebersbach and K. Gerdes), Blood development in zebrafish (J.L.O. de Jong and L.J. Zon), Dynamic mitochondria (K. Okamoto and J.M. Shaw), DNA deletion in *Tetrahymena* (M.-C. Yao and J.-L. Chao), Axis formation in zebrafish (A.F. Schier and W.S. Talbot), and Chromatin remodeling in dosage compensation (J.C. Lucchesi *et al*.).

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T. GICHNER (*Praha*)

Royo, C., Nachit, M.M., Di Fonzo, N., Araus, J.L., Pfeiffer, W.H., Slafer, G.A. (ed.): **Durum Wheat Breeding. Current Approaches and Future Strategies.** - Food Products Press, An Imprint of The Haworth Press, Inc. New York - London - Oxford 2005. 1084 pp. Hardcover USD 149.95. ISBN-V1 1-56022-966-7, ISBN-V2 1-56022-967-5

Food Products Press issued a unique two-volume book Durum Wheat Breeding – Current Approaches and Future Strategies, providing a complex view of durum wheat from many aspects including its genetics, factors influencing the yield and quality of products and breeding strategies. The book has six editors from Spain, Syria, Italy and Mexico and ninety nine international contributors and is subdivided into five parts and thirty five chapters.

The first volume consists of three parts: Part I. World distribution and role of durum wheat breeding consists of three chapters: 1. Wheat: Its concept, evolution, and taxonomy, 2. End products: Present and future uses, 3. Importance of breeding for further improving durum wheat yield. Part II. Genetics and molecular aspects is composed of following chapters: 4. A retrospective analysis of genetic diversity in durum wheat elite germplasm based on microsatellite analysis: A case study, 5. Managing and collecting genetic resources, 6. The cytogenetic contribution to the analysis and manipulation of the durum wheat genome, 7. Comparative genetics of durum wheat and other *Triticeae*, 8. Genetic manipulation of durum wheat: application to grain composition and quality, 9. Genetic bases of resistance to abiotic stresses in durum wheat (*Triticum turgidum* ssp. *durum*), 10. Resistance to diseases, 11. Genetic basis for insect pest resistance in durum wheat and 12. Genetic bases of grain quality. Part III. Physiological bases of durum wheat improvement consists of chapter 13. Genetic improvement effects durum wheat yield physiology, 14. Durum wheat ideotypes for sustainable farming in diversified environments, 15. Physiological basis of yield potential in durum wheat, 16. Adaptation to water stress: Methodologies for the study of the photosynthetic response and 17. Functional determinants of grain quality.

Volume II, part IV is subdivided into following chapters 18. Increasing yield potential and stability in durum wheat, 19. Selection tools for improving yield-associated physiological traits, 20. Selection strategies for traits relevant for winter and facultative durum wheat, 21. Selection strategies and methodologies for biotic stresses in durum wheat, 22. Breeding methodologies and strategies for durum wheat quality improvement, 23. Wide crosses for durum wheat improvement, 24. Doubled-haploid technique in durum wheat breeding, 25. Management of genotype-environment interaction and their implications for durum wheat breeding, 26. Design and analysis of field experiments. Last part V. contains nine chapters describing durum wheat improvement in individual states or organizations: Italy, Spain, Romania, Canada, Morocco, Turkey, India, North Dakota State University and CIMMYT.

This book will be appreciated by wheat breeders, cereal scientists, agronomists and students of plant sciences. This is hitherto the most comprehensive book about durum wheat.

M. KUBALÁKOVÁ (*Olomouc*)