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His research interests include the development of efficient optimization and machine learning algorithms. He has published numerous scientific articles in various top journals and conferences in the field (e.g., Mathematical Programming & Computation, Journal of Global Optimization, Optimization Methods & Software, Optimization, Applied Mathematics & Computation, Journal of Systems & Software, Journal of Computational Science, Fuzzy Sets & Systems, CPAIOR, ISMP, EURO, INFORMS, EUROPT, ICCOPT). Specifically, he has published 3 books, 12 chapters in edited books, 26 articles in scientific journals, and over 80 publications in Greek and international scientific conferences. He is a member of the editorial board of 3 scientific journals. He has participated as a member of the organizing/program committee of 15 international scientific conferences. He has participated in more than 25 projects as a research team member, and in 5 as a coordinator. He has been awarded the best doctoral dissertation award in Operational Research (Hellenic Operational Research Society). He is a member of the scientific societies INFORMS Computing Society, SIAG/CSE, SIAG/OPT, ACM SIGACT, ASM SIGHPC, EUROPT, and EWG-DSS.