

EDITOR'S NOTES

EDITORIAL

Dear Authors,

We wish to kindly invite you to publishing results of your research in the Chemical and Process Engineering journal, now in a full English version. Our main goal is to increase accessibility to the articles of that quarterly through making available its full texts in the Internet using the platform of Versita, the Internet page of our quarterly and also through the world systems of electronic access to full texts of papers. While striving to accomplish this objective, each of the published articles will be assigned its individual DOI (Digital Object Identifier) number. The Versita company will place the numbers in the CrossRef organisation to enable creation of “live links “from other papers, which will quote that article. Those modifications should result in a progress of citations of our papers, and consequently, in an increase in the impact factor, IF. We desire that Chemical and Process Engineering will become competitive against other journals of our discipline of chemical and process engineering in the region of Central/Eastern Europe.

Beginning from January 1st, 2011 a handful of significant alterations in the functioning of the Chemical and Process Engineering journal are introduced. Both the procedure of the manuscript submission by the authors for publishing and also the peer-review system turn into a fully electronic system. Starting from the beginning of 2011, submission of proposals is possible via our Internet page *www.chpe.pl*. Each author will be assigned their own account by introducing a unique account name (login) and associated password. Through that account the manuscript placement as well as communication with the editorial committee will occur.

From January 2011 onwards the format of the texts submitted for publishing and of the quarterly itself change. General guidelines for text preparation are collected in Instructions for Authors along with the manuscript template, which are available on the quarterly Website *www.chpe.pl*.

On behalf of the Editorial Committee,
Zdzisław Jaworski

BIOGRAPHICAL NOTES OF PROFESSOR ROMAN JÓZEF KOCH

Roman Józef Koch was born on February 26, 1920 in Kobylnica Ruska, L'viv district. After passing high-school diploma exams in 1938 r. he began his army service in Officer Cadet School and then took part in the September'39 Campaign of defending Warsaw. Roman Koch started his research work already in 1948 in the group of professor Zdzisław Ziolkowski of the Technical University of Wrocław. Then in 1950 he obtained his MSc diploma in mechanical engineering and in 1961 he was awarded PhD degree followed by DSc degree in 1964. Two professorial titles were bestowed on him; the associate professorship in 1971 and full professor title in 1975.



In 1971, Professor Roman Koch began leading the Process Apparatus Group in the Technical University of Wrocław. In the periods of 1974-1981 and 1987-1990 he was also the Director of the Institute of Chemical Engineering and Thermal Equipment. For 16 years, in 1974 - 1990, he was member of The Senate of the Technical University of Wrocław. He has also been member of the Committee of Chemical and Process Engineering of the Polish Academy of Sciences (PAN) from the very moment of its establishing in 1972 being its Vice-Chairman for four cadencies for the period of 1994 - 2003. For many years, 1987 - 2003, Professor Koch was heading the Scientific Council of Institute of Chemical Engineering of PAN in Gliwice and was also fulfilling similar function at the CeBeA Research and Development Centre for Process Equipment in Cracow in years 1987 - 2003.

For the whole 30 year-period, since 1980, Professor Roman Koch has been the Editor-in-Chief of the PAN quarterly "Inżynieria Chemiczna i Procesowa", at present Chemical and Process Engineering. He was awarded two high national orders; the Officer Cross and the Batchelor Cross of Poland's Revival, also the Medal of Commission for National Education and other distinguished awards such as two awards of the President of the Polish Academy of Sciences. He organized international cooperation with European centres of Chemical Engineering. Although Professor Koch formally retired in 1991, his active participation in scientific activities has not been diminished. He acted as reviewer of scientific achievements of several candidates to the scientific degrees and title.

Professor Roman Józef Koch, DSc, PhD has promoted 23 doctors and 4 of his former PhD students receive degrees of Doctor of Science and 3 of them were awarded titles of Professor

of Technical Sciences. He is author and co-author of 94 foreign and domestic papers and four books: *Stoffaustausch in Absorptionskolonnen*, (Leipzig 1969), *Aparatura Chemiczna* (PWN 1972), *Procesy mechaniczne w inżynierii chemicznej* (WNT 1992, 1995, 1997) and also *Dyfuzyjno-ciepłoty rozdział substancji* (WNT 1994) and a few university textbooks for students.

Professor Roman Koch was the founder of the Scientific School of Process Equipment and carried out research in two main areas: (i) hydraulics and mass transport at barbotage on trays of distillation and absorption columns, (ii) intensification of unit operations. The scientific interest of Prof. R Koch was directed towards mass transfer processes in columns with trays and stationary beds and also towards mechanical separation of multiphase systems.

Professor Roman Koch developed a new calculation method for tray mass exchanger based on kinetic approach. Investigations of valve trays should be distinguished in his work on tray columns, which led to very interesting theoretical progress and resulted in invention of detailed methodology of designing such equipment. Those achievements made possible implementation of manufacturing of valve trays in Zakłady Urządzeń Przemysłowych w Nysie and achievement of Polish patent for a tray with special overflows. The tray enables operation of the column at high loads of liquid and gas phases in the so called drop regime.

Scientific work of Professor Koch was also associated with crystallization. Studies on industrial crystallization were initially conducted under his guidance. Complex investigations resulted in establishing design methodology and construction of crystallization equipment. Research of crystallization processes, commenced by him is being successfully continued by his students and successors.

REFERENCES

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Zdzisław Jaworski
Editor-in-Chief

ACKNOWLEDGMENTS

The Committee of Chemical and Process Engineering of the Polish Academy of Sciences wishes to express the words of thanks and acknowledgement to Professor Roman Koch for his 30 years of successful activity as the Editor in Chief of the quarterly of the Polish Academy of Sciences – Chemical and Process Engineering. His activity was characterized by exceptional care concerning the reliability of the peer review of the studies submitted to the journal and, above all, of its editorial regularity. In order to enlarge the range of readers he has initiated the addition of a broad summary to the articles as well as the figures' captions in English. As a result of this decision and the efforts of Professor Koch to keep a high scientific standard of the journal, the quarterly was included in 1988 in the ISI Web of Knowledge, Journal Citation Reports (commonly called the “Philadelphia List”). Starting from 2007 the journal has been edited exclusively in English thus considerably increasing the number of articles by foreign authors.

Simultaneously, we would like to express very cordial congratulations on his magnificent jubilee of the 91th birthday and to wish Professor Roman Koch continuation of close relations with the community of chemical and process engineering along with a lot of happiness in his life.

Prof. Andrzej Burghardt
Honorary Chairman
of the Committee of Chemical and Process Engineering
Polish Academy of Sciences