

Welcome to the Conference organized by the Department of Mathematics of the İhsan Doğramacı Bilkent University to honor Professor Mefharet Kocatepe on the occasion of her retirement and to mark thirty years since the undergraduate program started.

Professor Kocatepe retired in 2020, after serving many years as a faculty member and as the Chairperson of the department and we wanted to organize this conference on that occasion. Unfortunately, because of the pandemic situation this was not possible and hence it was postponed for a better time. With the decay of the pandemic, we thought that now it is a good time to organize this event in a face-to-face format.

Also, the Department of Mathematics started its activity in 1986, originally as a service department offering courses to the Faculty of Engineering and the Faculty of Business Administration. In 1989 the graduate program started and then in 1991 the undergraduate program started. We planned to mark the latter event by a conference but, again, due to the pandemic situation, that was not possible. Consequently, this conference is supposed to mark both these two events, the retirement of Professor Kocatepe and thirty years since the beginning of the undergraduate program of our department.

This conference was organized under the pressure of time and hence it has a rather small format. Under normal conditions, we should include more presentations on the accomplishments of the faculty members of Department of Mathematics since it is one of the best in Turkey and among the bests in the region. Under present conditions, we only have one after-noon in which research groups, other than analysis, as algebraic geometry, topology, algebra, number theory, and probability theory, present some of their main accomplishments since the beginning of the department. As for the research group of analysis, this is more extensively present by the talks during the morning of Friday June 3rd and focusing only on the accomplishments of Professor Kocatepe in Functional Analysis. In addition, four talks of students, presenting original research in the domain of analysis, two of them directly related to Professor Kocatepe research domain, will be hold on Saturday after-noon.

We hope all the participants will enjoy this small conference. We want to thank the Chairman of the Department of Mathematics, Professor Fatihcan Atay, and the staff of the department and the faculty, for helping us in organizing this conference. Special thanks to Maria Goncharova for designing the poster and the cover page of this program. Lastly but not least, we thank all the speakers and the participants for their valuable contribution to the success of this event.

We wish Professor Kocatepe a healthy and enjoyable life.

Organizing Committee,

Aurelian Gheondea

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H. Turgay Kaptanoğlu