



# GFSNP 2024

The 14th Symposium on Generating Functions of Special Numbers and Polynomials and their Applications (GFSNP 2024), dedicated to the respected mathematician Professor Taekyun KIM on the occasion of his 60th anniversary, held at Sherwood Exclusive Lara Hotel in Antalya, TURKEY on January 18–21, 2024.



## PROFESSOR TAEKYUN KIM

Professor Taekyun KIM was born in Hapcheon, South Korea.

He is married with Kyoung Young Lee and has two sons: Daehee and Changhee.





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## PROFESSOR TAEKYUN KIM's CV

### EDUCATION:

- B.S.: Kyungpook National University, Republic of Korea, 1983 –1987.
- M.S.: Kyungpook National University, Republic of Korea, 1987–1989
- Ph.D.: Kyushu University, Japan, 1992 –1994  
(Specialization: Number Theory Thesis Title: On the  $q$ -analogue of  $p$ -adic log-gamma and L-functions; Advisor: Prof. Dr. Katsumi Shiratani)

### AWARDS:

- 2018/02 Excellent Teaching Award, Kwangwoon University
- 2017/11 Highly Cited Researcher in 2017, Web of Science
- 2016/12 Highly Effective Researchers in 2016, Clarivate Analytics
- 2014/12 Grad Prize of Knowledge Creation, Future Creation Science Department
- 2013/05 Prize of Hwado-Academy, Kwangwoon University
- 2008/01 Excellent Researcher in 2007, Kyungpook National University



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## MEMBERSHIP

- Jangjeon Mathematics Society
- Member of Korean Mathematics Society
- Korea Fuzzy Logic and Intelligent Systems Society
- Chungcheong Mathematics Society

## WORKING EXPERIENCES

- 2022 – 2028: Visiting Professor of Research center for Number Theory and Its Applications in North-West University, China
- 2015 – 2022: Distinguished Professor in Xian Technological University, China
- 2015 – 2019: Chair Professor in Tianjin Polytechnic University, China
- 2008 – Present: Professor in Department of Mathematics, Kwangwoon University
- 2006 – 2008: Professor in Department of Electrical and Computer Engineering, Kyungpook National University
- 2001 – 2006: Research Professor in Institute of Science Education, Kongju National University
- 1999 – 2000: Teacher in Korean Minjok Leadership Academy
- 1997 – 2000: Lecturer in Kyngnam University
- 1997 – 1999: Lecturer in Republic of Korea Naval Academy
- 1994 – 1998: Lecturer in Kyungpook National University
- 1994 – 1996: Researcher. in Topology and Geometry Research Center in Kyungpook National University





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## AIM AND SCOPE OF THE SYMPOSIUM:

The aim of the GFSNP 2024 symposium is to bring together leading scientists of the pure and applied mathematics and related areas to present their research, to exchange new ideas, to discuss challenging issues, to foster future collaborations and to interact with each other.

GFSNP 2024 symposium will take place in a **hybrid form** with **Physical and Virtual (Online)** participation.

GFSNP 2024 symposium welcomes speakers whose talk or poster contents are mainly related to the following areas:

- ❖ Various fields of Mathematics
  - ❖ Mathematical Physics
  - ❖ Mathematical Chemistry
- ❖ Mathematical biology and related areas such as Analysis
  - ❖ Non-linear Analysis
  - ❖ Number Theory
  - ❖ Applied Algebra
  - ❖  $p$ -adic Analysis
  - ❖ Special Functions
  - ❖  $q$ -Analysis
  - ❖ Quantum physics
  - ❖ Probability and Statistics
- ❖ Engineering and their applications
- ❖ Moment generating functions
- ❖ Generating functions of the special numbers and polynomials and their applications
  - ❖ The family of zeta functions
  - ❖ The family of Dirichlet type L-functions
- ❖ Generating function for generalized Fisher information measure
- ❖ Matrix models and generating functions associated with mathematical models and stochastic differential equations
  - ❖ Generating function in graph theory
- ❖ Generating Functions in Engineering and in Applied Sciences
- ❖ Generating functions involving deviation generating function
  - ❖ Survival function generating function
- ❖ Generating functions discusses a large number of applications in various disciplines including algebra, analysis of algorithms, chemistry, combinatorics, graph theory, number theory, reliability, epidemiology, bio-informatics, genetics, management, economics, and statistics.



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## Scientific Committee

- ❖ Chandrashekar Adiga, India
- ❖ Elvan Akin, USA
- ❖ Mustafa Alkan, Turkey
- ❖ Hacer Ozden Ayna, Turkey
- ❖ Abdelmejid Bayad, France
- ❖ Naim L. Braha, Republic of Kosova
- ❖ Nenad P. Cakić, Serbia
- ❖ Ismail Naci Cangul, Turkey
- ❖ Clemente Cesarano, Italy
- ❖ Ahmet Sinan Cevik, Turkey
- ❖ Junesang Choi, South Korea
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- ❖ Daeyeoul Kim, South Korea
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- ❖ Mehmet Ali Özarslan, Northern Cyprus
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- ❖ Tibor Poganj, Croatia
- ❖ Abdalah Rababah, Jordan
- ❖ Themistocles Rassias, Greece
- ❖ Lothar Reichel, USA
- ❖ Ekrem Savas, Turkey
- ❖ Jeffrey O. Shallit, Canada
- ❖ Yilmaz Simsek, Turkey
- ❖ Burcin Simsek, USA
- ❖ Miodrag Spalević, Serbia
- ❖ Wolfgang Spröbig, Germany
- ❖ Hari M. Srivastava, Canada
- ❖ Marija Stanić, Serbia
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- ❖ Mustafa Gürhan Yalçın, Turkey
- ❖ Dora Pokaz, Croatia

## Organizing Committee

- ❖ Mustafa Alkan, Turkey
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- ❖ Fusun Yalcin, Turkey
- ❖ Yilmaz Simsek, Turkey

## Heads of Organizing Committee

- ❖ Mustafa Alkan, Turkey
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- ❖ Ortaç Öneş, Turkey
- ❖ Yilmaz Simsek, Turkey
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## Invited Speakers of GFSNP 2024

- ❖ Abdelmejid BAYAD, (Université d'Evry Val d'Essonne Paris, FRANCE)
- ❖ Ismail Naci CANGUL, (Bursa Uludag University, Turkey)
- ❖ Taekyun KIM, (Kwangwoon University, South Korea)
- ❖ Veerabhadraiah LOKESHA, (Vijayanagara Sri Krishnadevaraya University, INDIA)
- ❖ Yilmaz SIMSEK, (Akdeniz University, TURKEY)
- ❖ Daeyeoul KIM, (Jeonbuk National University, South Korea)

## PAPER SUBMISSION:

Symposium participants are encouraged to submit their work by sending an email to the symposium mail address: [gfsnp.symposia@gmail.com](mailto:gfsnp.symposia@gmail.com).

After evaluation process by the scientific committee of the symposium, accepted Full-text Proceedings (at least 2 pages long) will be published in "Proceedings Book of the 14th Symposium on Generating Functions of Special Numbers and Polynomials and their Applications (GFSNP 2024)" (with ISBN number) and this book will be published after the symposium is over. Hence, we would like to point out that at least one author of the accepted Full-text Proceedings must register and must attend to GFSNP 2024 for presenting their studies.

## SUPPORTING JOURNALS:

The participants of the symposium GFSNP 2024 will have the right to submit their full manuscripts (compatible with the scope and publication policy of the corresponding journal) for peer review and possible publication in the following supporting journals:

- ❖ **Montes Taurus Journal of Pure and Applied Mathematics** (ISSN: 2687-4814) – [Indexed in Elsevier – Scopus Database, Index Copernicus International (ICI Journals Master List), Google Scholar, Semantic Scholar, CiteFactor, Journal Factor (JF), and General Impact Factor (GIF)]
- ❖ **Proceedings of the Jangjeon Mathematical Society** (ISSN: 1598-7264) – [Indexed in Scopus]





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The symposium GFSNP 2024 is listing on the following Mathematics Calendars:

- ❖ American Mathematical Society (AMS) : Mathematics Calendar,  
See: <https://www.ams.org/cgi-bin/mathcal/mathcalendar.pl>
- ❖ European Mathematical Society (EMS) Events,  
See: <https://euromathsoc.org/events>

