

## Assoc. Prof. Səadət Cəfərova

### Personal Information

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### International Researcher IDs

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### Education Information

Postgraduate, Bakü Devlet Üniversitesi, математический анализ, Azerbaijan 1996 - 1998

### Foreign Languages

English, B1 Intermediate

### Certificates, Courses and Trainings

Vocational Course, Удостоверение о повышении квалификации, UNEC, 2020

### Dissertations

Doctorate, Приближение линейными средними рядов Фурье-Якоби, Bakü Devlet Üniversitesi, Механико-математический факультет, кафедра Математический анализ, 2000

### Academic Titles / Tasks

Associate Professor, Azerbaijan State University of Economics (UNEC), İqtisadiyyat Və İdarəetmə Fakültəsi, Riyaziyyat Və Statistika Kafedrası, 2013 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Boundedness criteria for the commutators of fractional integral and fractional maximal operators on Morrey spaces generated by the Gegenbauer differential operator**  
Ibrahimov E. J., Jafarova S.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.47, no.9, pp.7243-7254, 2024 (SCI-Expanded)
- II. **Boundedness criteria for the fractional integral and fractional maximal operator on Morrey spaces generated by the Gegenbauer differential operator**  
Ibrahimov E. J., Jafarova S., Bandaliyev R. A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.46, no.18, pp.18605-18632, 2023 (SCI-Expanded)

## Articles Published in Other Journals

- I. ( $L_{p,\lambda,\mu}, L_{q,\lambda,\mu}$ ) boundedness of the  $G$ -fractional integral operator on  $G$ -Morrey spaces  
Ibrahimov E. J., Jafarova S.  
ANALYSIS-INTERNATIONAL MATHEMATICAL JOURNAL OF ANALYSIS AND ITS APPLICATIONS, 2024 (ESCI)
- II. Boundedness of Gegenbauer fractional maximal commutator on generalized Gegenbauer-Morrey spaces  
J. Ibrahimov E., Dadashova G. A., Jafarova S.  
Transactions Issue Mathematics, Azerbaijan National Academy of Sciences, vol.44, no.1, pp.83-116, 2024 (Scopus)
- III. GEGENBAUER FRACTIONAL MAXIMAL FUNCTION AND ITS COMMUTATORS ON GEGENBAUER-ORLICZ SPACES  
Jafarova S.  
Transactions of A. Razmadze Mathematical Institute, vol.177, pp.217-236, 2023 (ESCI)
- IV. Some weighted inequalities for gegenbauer fractional integrals  
Jafarova S.  
Transactions of National Academy of Sciences of Azerbaijan. Series of Physical-Technical and Mathematical Sciences, vol.41, pp.83-99, 2021 (Peer-Reviewed Journal)
- V. Boundedness of higher order commutators of  $g$ -fractional integral and  $g$ -fractional maximal operators with  $G - BMO$  functions  
Jafarova S.  
Transactions of A. Razmadze Mathematical Institute, vol.174, pp.325-341, 2020 (Peer-Reviewed Journal)
- VI. O'Neil Inequality for Convolutions Associated with Gegenbauer Differential Operator and some Applications  
Guliyev V. S., Ibrahimov E. J., Ekincioglu S. E., Jafarova S.  
JOURNAL OF MATHEMATICAL STUDY, vol.53, no.1, pp.90-124, 2020 (ESCI)
- VII. MAXIMAL AND POTENTIAL OPERATORS ASSOCIATED WITH GEGENBAUER DIFFERENTIAL OPERATOR ON GENERALIZED MORREY SPACES  
Ibrahimov E. J., Jafarova S., Ekincioglu S. E.  
PROCEEDINGS OF THE INSTITUTE OF MATHEMATICS AND MECHANICS, vol.46, no.1, pp.129-143, 2020 (ESCI)
- VIII. Weighted boundedness of the fractional maximal operator and Riesz potential generated by gegenbauer differential operator  
Jafarova S.  
Transactions of A. Razmadze Mathematical Institute, vol.173, pp.45-78, 2019 (Peer-Reviewed Journal)
- IX. On boundedness of the Riesz potential generated by gegenbauer differential operator on morrey spaces  
Jafarova S.  
Transactions of NAS of Azerbaijan, Issue Mathematics, vol.37, pp.49-70, 2017 (Peer-Reviewed Journal)

## Metrics

Publication: 11

Citation (Scopus): 7

H-Index (Scopus): 2

## Congress and Symposium Activities

COIA, Invited Speaker, Baku, Azerbaijan, 2022