CONTENTS

1. Mohammed Benharrat, Bekkai Messirdi - Relationship between the essential quasi-Fredholm spectrum and the closed-range spectrum 5

2. Muhammad Amer Latif, Muhamet Emin Özdemir, Ahmet Ocak Akdemir - New inequalities of Hermite-Hadamard type for functions whose derivatives in absolute value are quasi-convex with applications 13

3. Ahmad Abu-Saleem, Ali Shihab, Mihail B. Banaru - On six-dimensional Kählerian and nearly-Kählerian submanifolds of Cayley algebra 29

4. R. M. El-Ashwaht, M. K. Aouf, A. Shamandy, S. M. El-Deeb - On a Class of Multivalent Functions Defined by Dziok-Srivastava-Operator 41

5. Sumit Chandok, Yeol Je Cho - Coupled common fixed point theorems for the mixed *g*-monotone mappings in partially ordered metric spaces 51

6. Deepak B. Pachpatte - On Certain Integrodifferential equations in two variables on time scales 67

7. Abdul Rahman S. Juma, Hazha Zirar - Properties of a subclass of P-valent functions defined by new operator V_p^{λ} 73

8. A. E. El-Ahmady, M. Abu-Saleem – Retractions of chaotic black hole and their fundamental group 83

9. K. O. Babalola - Combinations of geometric expressions implying schlichtness 91

10. Erdoğan Şen, Kamil Oruçoğlu - On spectral properties of a discontinuous fourth-order boundary value problem with transmission conditions 95

11. Daqing Lu - Sharp Estimates and Weighted Boundedness for Some Multilinear Integral Operators 109

12. R. A. Borzooei, R. Ameri, M. Hamidi - Fundamental Relation On Hyper *BCK*-algebras 123

13. Muhammad Akram, Jacob Kavikumar, Azme Khamis - On $\mathcal{N}$- Γ - ideals in Γ-AG**-groupoids 137

14. Waggas Galib Atshan, Assra Abdul Jaleel Husien - Some Results of Second Order Differential Subordination for Fractional Integral of Dziok-Srivastava Operator 145

15. Madad Khan, Tariq Aziz, Naveed Yaqoob – Generalized interval-valued fuzzy right ideals of Abel Grassmann's groupoids 153

16. Takashi Noiri, Valeriu Popa – On Two Forms of Continuity in Biminimal Structure Spaces 161

17. Dilek Söylemez Özden, Gülen Başcanbaz-Tunca, Ali Aral - Approximation by complex q - Baskakov operators in compact disks 167

18. Abbas Kareem Wanas, Ahmed Sallal Joudah - Sandwich Theorems for Certain Subclasses of Analytic Functions Definend by Convolution Structure with Generalizad Operator 183

19. Andrei Loriana – Strong differential subordinations and superordinations using a new integral operator 191