

## Contents

Energy of a fuzzy graph ANJALI NARAYANAN, SUNIL MATHEW	455–465
Lattice structures of intuitionistic fuzzy soft sets ZHAOWEN LI, SHIJIE LI	467–477
On the gravity of center of sequence of fuzzy numbers ZARIFE ZARARSIZ, MEHMET SENGÖNÜL	479–485
Anti fuzzy ideals in BE-algebra S. ABDULLAH, T. ANWAR, N. AMIN, M. TAIMUR	487–494
New types of intuitionistic fuzzy interior ideals of ordered semigroups HIDAYAT ULLAH KHAN, NOR HANIZA SARMIN, ASGHAR KHAN, FAIZ MUHAMMAD KHAN	495–519
The analytic fuzzy $I$ -convergent of $\chi_{f(\Delta,p)}^{2I(F)}$ space defined by modulus N. SUBRAMANIAN, R. BABU, P. THIRUNAVUKKARASU	521–528
Soft filters and their convergence properties RIDVAN SAHIN, AHMET KUÇUK	529–543
Somewhat soft fuzzy almost $G_\delta$ pre $T_U$ continuous function in soft fuzzy quasi uniform topological space V. VISALAKSHI, M. K. UMA, E. ROJA	545–558
Compactifying the soft fuzzy product generalized topological space V. VISALAKSHI, M. K. UMA, E. ROJA	559–573
Isomorphism on vague graphs ALI ASGHAR TALEBI, HOSSEIN RASHMANLOU, NARGES MEHDIPOR	575–588
FS-closure operators and FS-interior operators N. TAMANG, M. SINGHA, S. DE SARKAR	589–603
Rough sets and its applications in a computer network A. M. KOZAE, S. A. EL-SHEIKH, E. H. ALY, M. HOSNY	605–624
Fuzzy $\alpha\psi$ -closed sets PARIMALA MANI, DEVI RAMASAMY	625–632

S-fuzzy prime ideal theorem S. H. DHANANI, Y. S. PAWAR	633–641
On multisets and multigroups SK. NAZMUL, P. MAJUMDAR, S. K. SAMANTA	643–656
Fuzzy cone metric spaces and fixed point theorems of contractive mappings T. BAG	657–668
Compactification via intuitionistic fuzzy centred net and open filter R. DHAVASEELAN, E. ROJA, M. K. UMA	669–676
Complete interval-valued fuzzy graphs HOSSEIN RASHMANLOU, YOUNG BAE JUN	677–687
Interval valued intuitionistic fuzzy soft topological spaces ANJAN MUKHERJEE, AJOY KANTI DAS, ABHIJIT SAHA	689–703
Fuzzy proper functions and net-convergence in smooth fuzzy topological spaces KALAIVANI CHANDRAN, ROOPKUMAR RAJAKUMAR	705–726
An application on soft $\tilde{L}$ -fuzzy convergence structure T. YOGALAKSHMI, E. ROJA, M. K. UMA	727–742
Intuitionistic fuzzy $\lim$ extremally disconnected spaces S. PADMAPRIYA, M. K. UMA, E. ROJA	743–753
Fuzzy implicative filters of $BE$ -algebras M. SAMBASIVA RAO	755–765
Fuzzy hypergroups based on fuzzy spaces BIJAN DAVVAZ, MOHAMMAD FATHI, ABDUL RAZAK SALLEH	767–779
Interval valued intuitionistic fuzzy soft multisets and their relations ANJAN MUKHERJEE, ABHIJIT SAHA, AJOY KANTI DAS	781–798