

Shaheed Rajguru College of Applied Sciences for Women

Research Papers in Journals and Conferences (July 2017- June 2018)

S. No.	Department	Name of the Faculty	Title of the paper/ Author	Journal's name and details/ Name of the conference and details of the organizers if full paper is published in the proceedings	Country of publication	Peer reviewed Yes/No	Indexing WoS, Scopus, PUBMED, ICI etc.	No. of citations of all Publications during July 2017- June 2018
1	Biochemistry	Dr. Sadhna Jain	Estimation of phenolic content, flavonoid content, antioxidant property and alpha amylase inhibition activity of pomegranate (punicagranatum) and kinnow (hybrid of citrusnobilis and citrus deliciosa) peels. Author – Saxena P.* and Jain S.	Journal – World Journal of Pharmaceutical Research Volume 7, Issue 2, 817-826. Research Article ISSN 2277–7105 SJIF Impact Factor 8.0	India	Yes	SJIFactor.com	-
2	Biomedical Science	Dr. Varsha Mehra Dr. Payal Mago Dr. Manisha Khatri	Antimycobacterial Potential of Indian Spices: A Review. Author – N Chaudhary, V Mehra, P Mago, M Khatri	Journal – International Journal of Pharmacognosy and Phytochemical Research, 2017; 9(8); 1127-1134 Impact factor: 1.279 H index: 10	India	Yes	ICI	

3	Dr. Varsha Mehra Dr. Manisha Khatri	Assessment of Anti-diabetic and Anti-oxidant activity of <i>Murraya Koenigii</i> extracts using in-vitro assays. Author – V Mehra, M Khatri, S Mishra, N Singh, N Sharma, R Goswami, N Mehta	Journal – Journal of Biomedical and Therapeutic Sciences 5 (1), 1-8 Impact factor: 2.6 H index: NA	India	Yes	Google Scholar, WHO HINARI	
4	Dr. Manisha Khatri	Investigating the free radical scavenging and acetylcholinesterase inhibition activities of <i>Elletariacardamomum</i> , <i>Piper nigrum</i> and <i>Syzygiumaromaticum</i> Author – M Gupta, C Sharma, P Meena, M Khatri	Journal – Int. J. Pharm. Sci. Res 8 (7), 3180-86 Impact factor: 0.59 H index: 3	India	Yes	Thomson Reuters	40
5	Dr. Neetu Sain	RiPPMiner: a bioinformatics resource for deciphering chemical structures of RiPPs based on prediction of cleavage and cross-links Author – Agrawal P,	Journal – Nucleic Acids Research. 2017 Jul 3;45(W1):W80-W88 Impact factor: 11.561 H index: 436		Yes	PMID: 28499008	19

			Khater S, Gupta M, Sain N, and Mohanty D					
6			SBSPKSv2: structure-based sequence analysis of polyketide synthases and non-ribosomal peptide synthetases Author – Khater S, Gupta M, Agrawal P, Sain N, Prava J, Gupta P, Grover M, Kumar N, and Mohanty D	Journal – Nucleic Acids Research. 2017 Jul 3;45(W1):W72-W79 Impact factor: 11.561 H index: 436		Yes	PMID: 28460065	
7	Chemistry	Dr. Jasjeet Kaur	Multimetal deposition method for detection of latent fingerprints: a review Author – Jasjeet Kaur G S Sodhi	Journal – Egyptian Journal of Forensic Sciences (2017) 7:17	Egypt	Yes	WoS, Scopus	45
8			The forgotten Indian pioneers of Fingerprint Science Author – Jasjeet Kaur G S Sodhi	Conference – Emergence of Modern Science in Colonial India organized by Indian National Science Academy on March 14-16,2018				
9		Dr. Anjeeta Rani	Sustained Stability and Activity of Lysozyme in Choline Chloride against	Journal – ACS Sustainable Chem. Eng., 2017, 5, 8344–8355.	US	Yes	WoS& Scopus	02

			pH Induced Denaturation Author – Indrani Jha, Anjeeta Rani and PannuruVenkatesu					
10			The effects of biological buffers TRIS, TAPS, TES on the stabilityof lysozyme. Author – Pavani Pannuru, AnjeetaRani, Pannuru Venkatesu and Ming-Jer Lee.	Journal – Int. J. Biol. Macromol., 2018, 112, 720-727.	Netherlands	Yes	WoS& Scopus	
11			Undesirable impact on Structure and Stability of Insulin on Addition of (+)-Catechin Hydrate with Sugar. Author – Anjeeta Rani, Indrani Jha and Pannuru Venkatesu	Journal – Arch Biochem. Biophys., 2018, 646,64-71.	US	Yes	WoS& Scopus	
12			Influence of additives on thermoresponsive polymers in aqueous media: A case study of poly(N-	Journal – Phys. Chem. Chem. Phys. , 2018, 20 , 9717-9744	England	Yes	WoS& Scopus	

			isopropylacrylamide) Author – Reddicherla Umapathi, P. Madhusudhana Reddy, Anjeeta Rani and Pannuru Venkatesu					
13		Dr. Deepak Kumar	Synthesis, antiameobic activity and docking studies of metronidazole-triazole-styryl hybrids Author – Beena Negi, PrijaPoonan, Mohammad Fawad Ansari, Deepak Kumar, Sakshi Aggarwal, Ramandeep Singh, Amir Azam, Diwan S. Rawat	Journal – European Journal of Medicinal Chemistry 150 (2018) 633-641	France	Yes	Elsevier	
14	Computer Science	Dr. Suruchi Chawla	Application of hybrid of Fuzzy Set, Trust and Genetic Algorithm in query log mining for effective Information Retrieval, Vol 6, Issue 1, pp 47-52, 2018 Author – Dr. Suruchi Chawla	Journal – International Journal of Intelligent Systems and Applications in Engineering ISSN:2147-6799	Turkey	Yes	Google scholar	90

15	Ms. Deepali Bajaj Ms. Asha Yadav Ms. Para Dholakia	Android based nutritional intake tracking application for hand-held systems Author – Deepali Bajaj, Asha Yadav, Para Dholakia	Conference – Conference Proceedings of 8th International Conference on computing, Communication And Networking Technology (ICCCNT) IEEE conference held in IIT Delhi, India on 3-5th July 2017, Page 589-591, IEEE Catalog Number:CFP1752J-ART , ISBN: 978-1-5090-3038-5	India	Yes	IEEE	
16	Ms. Tina Sachdeva Dr. AakankshaVats Ms. Neha Garg	Designing of an Application for group based coordination for information exchange in Ad-hoc Networks Author – Ms. Tina Sachdeva, Dr. Aakanksha, Ms. Neha Garg	Conference – 2017 International Conference on Computing and Communication Technologies for Smart Nation (IC3TSN) Organizer- G D Goenka University, Gurugram, India	India	Yes		
17	Ms. Tulika Kumari	A Comprehensive Study of Shilling Attacks in Recommender Systems Author – Tulika Kumari; PunamBedi	Journal – International Journal of Computer Science Issues (IJCSI) Volume 14, Issue 4, July 2017 ISSN (Print): 1694-0814 ISSN (Online): 1694-0784 impact factor=0.24	Mahebourg Republic of Mauritius	Yes	google scholar proQuest	
18	Ms. Neha Gandhi	Estimating Reliability for OSS : An approach with Change-point in Operational Phase	Conference – 6th International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions),	India	Yes	Google Scholar	1

			Author – Neha Gandhi, Neha Gondwal, Anu G. Aggarwal, Abhishek Tandon	20-22 September, 2017, Noida pg. 251-256, IEEE. (ISBN: 978-1-5090-3012-5).				
19		Ms. Neha Gandhi	Reliability Modeling of OSS Systems based on Innovation : Diffusion Theory and Imperfect Debugging Author – Neha Gandhi, Neha Gondwal, Abhishek Tandon	Conference – Proceedings of the First International Conference on Information Technology and Knowledge Management, pp. 53–58 DOI: 10.15439/2018KM48 ISSN 2300-5963 ACSIS, Vol. 14.	India	Yes	Google Scholar	
20	Electronics	Dr. Amita Kapoor	Investigation of Iterative and Direct Strategies with Recurrent Neural Networks for Short-Term Traffic Flow Forecasting Author – Armando Fandango, Amita Kapoor	Conference – International Conference on Advances in Computing and Data Sciences		Yes	Yes	41
21			Low-Resolution Image Recognition Using Cloud Hopfield Neural Network Author – Neha Soni,	Journal – Advances in Intelligent Systems and Computing, Springer.	Germany/Singapore	Yes	Scopus	

			Narotam Singh, Amita Kapoor, Enakshi Khular Sharma					
22			Lifecycle of butterfly and true nature of things Author – Narotam Singh, Amita Kapoor	Journal – Bodhi-Path	India	Yes	No	
23		Ms. Monika Tyagi	Resonant and non-Resonant solutions of the non-linear vibration of single wall carbon nanotube embedded in viscous elastic matrix using Krylov Bogoliubov and Mitropolsky method Author – Monika Tyagi, Ayub Khan, Mushahid Husain and Samina Husain	Journal – SPRINGER proceedings of physics. Conference – International Workshop on The Physics of Semiconductor Devices (IWPSD 2017) jointly organized by Solid State Physics Laboratory and IIT Delhi		Yes		
	Food Technology	Dr. Ranjana Singh	Assessment of Anti-diabetic and Anti-oxidant activity of Murraya Koenigii extracts using in-vitro assays.	Journal – Journal of Biomedical and Therapeutic Sciences 5 (1), 1-8 Impact factor: 2.6 H index: NA	India	Yes	Google Scholar, WHO HINARI	

			Author – V Mehra, M Khatri, S Mishra, N Singh, N Sharma, R Goswami, N Mehta				
24		Dr. Prabhjot Kaur Sabharwal	Preparation of edible coating and to study their effect on shelf life of green vegetables Author – Avneet Kaur, Prabhjot Kaur Sabharwal	Journal – International Journal of Basic and Applied Biology,2017 Vol4(4)ISSN 2349-5839	India	Yes	7
25		Dr. .Kulsum Jan	Characterization of agro-industrial byproducts and wastes for sustainable industrial application Author – Kulsum Jan, CS Riar, DC Saxena	Journal – Journal of Food measurement and characterization Springer ISSN No:21934126-2017 Impact Factor:1.18 H index:7		Yes	SCOPUS, Google Scholar, SCImago, Summon by ProQuest
26			Thermo-rheological and functional properties of gamma irradiated whole wheat flour. Author – Khalid Bashir, Kulsum Jan, Manjeet Aggarwal	Journal – International Journal of Food Science and TechnologyWiley-BlackwellII ISSN NO: 13652621-2017 Impact Factor: 1.64 H index: 78		Yes	SCI, Scopus

27			<p>Status supply chain and processing of cocoa- A review.</p> <p>Author – M.S. Beg, Sameer Ahmad, Kulsum Jan, Khalid Bashir</p>	<p>Journal – Trends in Food Science and TechnologyElsevierBv ISSN NO: 09242244-2017 Impact Factor: 5.191 H index: 151</p>		Yes	Scopus BIOSIS	
28			<p>Physicochemical and functional properties of gamma irradiated buckwheat and potato starch.</p> <p>Author – Ruchi Verma, Shumaila Jan, Savita Rani, Kulsum Jan, Tanya L. Swer, Kumar S. Prakash, M. Z. Dar, Khalid Bashir</p>	<p>Journal – Radiation Physics and Chemistry Pergamon-Elsevier Science Ltd ISSN NO: 0969806X-2018 Impact Factor: 1.435 H index: 68</p>		Yes	S Scopus	
29			<p>Modification of structure and physicochemical properties of buckwheat and oat starch by γ-irradiation.</p> <p>Author – M Zuhaib Dar, Km Deepika, Kulsum Jan, Tanya L Swer, Pradeep Kumar,</p>	<p>Journal – International Journal of Biological MacromoleculesElsevier Science Bv ISSN NO: 01418130-2017 Impact Factor: 3.909 H index: 92</p>		Yes	Scopus	

			Ruchi Verma, Kush Verma, Kumar S Prakash, Shumaila Jan, Khalid Bashir					
30			Effects of gamma irradiation on starch granule structure and physicochemical properties of brown rice starch. Author – Pradeep Kumar, Kumar S. Prakash, Kulsum Jan, Tanya L. Swer, Shumaila Jan, Ruchi Verma, Km Deepika, M. Zuhaib Dar, Kush Verma, Khalid Bashir	Journal – Journal of Cereal Science Academic Press Ltd- Elsevier Science Ltd ISSN NO: 07335210-2017 Impact Factor: 2.303 H index: 96		Yes	Scopus	
31	Instrumentation	Dr. Yogesh Pratap&Dr. Sneha Kabra	Analytical modeling of gate-all-around junctionless transistor based biosensors for detection of neutral biomolecule species Author – Yogesh Pratap, Sneha Kabra,	Journal – Journal of Computational Electronics, Vol 17, issue 1, pp. 288-296, March 2018. Impact factor:1.431 h-index:8	Netherland	Yes	(Scopus, INSPEC, CAS)	2

			SubhasisHaldar, Mridula Gupta, RS Gupta					
32		Dr. Yogesh Pratap, Reshma Sinha, Sarul Malik and Sneha Kabra	Performance analysis of metalloid source/ drain GaAs- FinFET for analog/RF Applications Author – Yogesh Pratap, Reshma Sinha, Praveen Pal, SarulMalik and Sneha Kabra	Conference – 4thInternational Conference on Circuits, Devices and Systems - ICDCS 2018, 16-17 March, 2018	Kerala, India	Yes		
33		Dr. Yogesh Pratap	Cylindrical gate all around Schottky barrier MOSFET with insulated shallow extensions at source/drain for removal of ambipolarity: a novel approach Author – Manoj Kumar, Yogesh Pratap, SubhasisHaldar, Mridula Gupta, RS Gupta	Journal – Journal of Semiconductors, Vol. 38, no.12, pp 12402-10, Dec. 2017. Impact factor:0.59 h-index: 4	United Kingdom	Yes	Scopus	2
34		Dr.Yogesh Pratap, Reshma Sinha, Dr.Sarul Malik and Dr.SnehaKabra	Performance analysis of metalloid source/ drain GaAs- FinFET for analog/RF Applications Author – Yogesh	Conference – 4thInternational Conference on Circuits, Devices and Systems - ICDCS 2018, 16-17 March, 2018	Kerala, India			3

			Pratap, Reshma Sinha, Praveen Pal, Sarul Malik and Sneha Kabra					
35		Dr. Sonal Singh	Concentration specific and tunable photoresponse of bismuthvanadate functionalized hexagonal ZnO nanocrystals based photoanodes for photoelectrochemical application Author – Sonal Singh, AakanshaRuhela, Sanju Rani ,ManikaKhanuja, Rishabh Sharma	Journal – Solid State Sciences, Elsevier Impact factor:1.86 h-index: 1	Netherlands	Yes	Scopus	17
36			Enhanced surface area, high Zn interstitial defects and band gapreduction in N-doped ZnO nanosheets coupled with BiVO4 leads to improved photocatalytic performance Author – SonalSingh, RishabhSharma, Bodh	Journal – Applied Surface Science, Volume 411, 31 July 2017, Pages 321-330 Impact factor:4.4	Netherlands	Yes	Scopus	

			Raj Mehtab					
37	Management	Yuthika Agarwal	Water sustainability in India Author – Yuthika Agarwal, Navneet Manchanda	Journal – The Horizon, A journal of Social Science, ISSN- 0975-5535	India	Yes		
38	Maths	Dr. Punita Saxena	Benchmarking State Road Transport Undertakings of India: A DEA-based stepwise approach Author – Punita Saxena	Conference – 9th International Conference on Applied Operational Research, Chung Yuan Christian University, Taiwan held from December 18-20, 2017	Taiwan			11
39		Dr. Ritika Chopra	Solving Fuzzy Linear Programming Problems with Bell-shaped membership functions Author – Chopra, R., Saxena, R.R.	Journal – The Journal of Fuzzy Mathematics, 2017, 25 (4), pp. 795-804.	USA	Yes	ZentralBlatt Math	5
40				An application of Matrix games with Trapezoidal Intuitionistic fuzzy pay-offs in transportation problem Author – Chopra,R.,	Conference – 9th International Conference on Applied Operational Research, Taiwan held from December 18-20, 2017	Taiwan	Yes	

		Saxena, R.R					
41	Dr. Raksha Verma	A Generalized Framework for Multi Up-gradation Software Reliability Growth Model Author – Verma R., Parihar R. S., Das S.	Journal – CDQM- An International Journal, 2017, 20 (1), pp. 5-15	Serbia	Yes	Scopus	
42		Multi-Up gradation Software Reliability Growth Model considering the joint effect of Testing and Operational phase Author – Verma R., Parihar R. S., Das S.	Journal – International Journal of Computer Applications, 2017, 172(5), pp. 25-30	USA	Yes	Scopus	
43	Dr. MinakshiDhamija	Approximation by Kantorovich form of modified Szasz-Mirakyan operators Author – Dhamija M. Pratap R. and Deo N.	Journal – Appl. Math. and Comput.(Elsevier), Vol. 317, (2018), 109–120	Netherlands	Yes	Scopus	15
44		Generalized Positive Linear Operators Based on PED and IPED Author – Deo, N. and	Journal – Iranian Journal of Science and Technology, Transactions A: Science (Springer) (2018).(online first) doi: https://doi.org/10.1007/s40995-	Iran	Yes	Scopus	

			Dhamija, M.	017-0477-5.				
45			Szász–Durrmeyer type positive linear operators Author – Deo, N. and Dhamija, M.	Journal – Afrika Matematika.(Springer), Vol. 29(1-2),(2018), 223-232	United States	Yes	Scopus	
46		Ms. Tanvi	Dynamics of HIV/AIDS and TB Co-infection with Holling Type-II Treatment Rate Author – Tanvi	Conference – International Conference on “Mathematical Modeling and Computations in Biosystems” in IIT Roorkee, 12-03- 2018 to 14-03- 2018	India			
47	Physics	Dr. Ashok Kumar	Effects of UV irradiation on fission-fragment track parameters in Makrofol-E Author – Ashok Kumar, R K Jain and R N Chakraborty	Conference – International Conference on High Energy Radiation and Applications (ICHERA-2017) held during 10 to13 October, 2017 in the Department of Physics, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, India.	India			
48		Dr. Manoj Kumar Jaiswal	Effect of low energy (keV) ion irradiation on structural, optical and morphological properties of SnO ₂ -TiO ₂ nanocomposite thin films Author – Vikas Kumar, M K Jaiswal,	Journal – Journal of Material Science- Materials in Electronics H index:5 Impact factor:2.324	Germany	Yes	Scopus	62

			RashiGupta, Jagjeevan Ram, Indra Sulania, Sunil Ojha, Xin Sun, N. Koratkar and Rajesh Kumar				
49	Library	Dr. Projes Roy	NFC and RFID Interoperability: Challenges and Opportunity in Libraries Author – Sole	Conference – NCCDLSE - 2018 National Conference on “Changing Digital Landscape in SMART Environment” on 08 February 2018 at Anasal University, Gurugram, Haryana	India		