



Faculty Profile on University Website

www.mjpru.ac.in

Title	Prof.	First Name	SHARAD KUMAR	Last Name	PANDAY	Photograph
Designation		Professor				
Department		Applied Chemistry				
Address (Campus) (Residence)		Department of Applied Chemistry, M. J. P. Rohilkhand University, Bareilly				
		House No.8, Type-4, University Campus, M. J. P. Rohilkhand University, Bareilly-243006, U. P.				
Phone No (Campus) (Residence)		9412485450				
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Email		skpandey@mjpru.ac.in				
Web-Page						
Educational Qualifications (Graduation Onwards)						
Course/Degree		Institution		Year	Details/Thesis Topic/Subjects	
B.Sc.		University of Lucknow, Lucknow		1985	Chemistry, Botany, Zoology	
B.Sc. (Hons.)		University of Lucknow, Lucknow		1986	Chemistry	
M. Sc. (Special)		University of Lucknow, Lucknow		1986	Chemistry	
Ph.D.		Central Drug research Institute, Lucknow (Registered through Avadh University, Faizabad)		1987	Synthesis of Some Potential Cardio-vascular system Active Compounds (Chemistry)	
Career Profile						
Organization / Institution		Designation		Duration	Role	
Central Drug research Institute, Lucknow		J.R.F.		April 1988-March 1990	Research	
Central Drug research Institute, Lucknow		S.R.F.		April 1990-March 1993	Research	
Ranbaxy Research Labs, Okhla, N. Delhi		Research Scientist		March 1993- July 1993	Research	
Central Drug research Institute, Lucknow		Research Associate		August 1993- December 1993	Research	
Institute de Chimie des Substances Naturelles, Centre Nationale de la Recherche Scientifique, Avenue de la Terrasse, F-91198, Gif-sur-Yvette, Cedex, France		CNRS Post Doctoral Fellow		January 1994- Decemeber 1995	Research	
Department of Chemistry, FET, M. J. P. Rohilkhand University, Bareilly		Lecturer		February1996- February 2000	Teaching, Research and administrative	
Department of Chemistry, FET, M. J. P. Rohilkhand University, Bareilly		Sr. Lecturer		February 2000- September 2002	Teaching, research and administrative	
Department of Chemistry, FET, M. J. P. Rohilkhand University, Bareilly		Reader		September 2002- December 2005	Teaching, research and administrative	
Department of Chemistry, FET, M. J. P. Rohilkhand University, Bareilly		Associate Professor		January 2006- June 2010	Teaching, research and administrative	
Department of Chemistry, FET, M. J.		Professor		July 2010-till date	Teaching, research and	

P. Rohilkhand University, Bareilly				administrative					
Research Interests / Specialization									
Organic Chemistry, Medicinal Chemistry, Heterocyclic Chemistry, Asymmetric Synthesis, Synthesis of unnatural amino acids, Synthesis of Bio- active molecules									
No of Research Scholars Successfully Guided									
Name of Programme		Awarded		Under Supervision					
Ph.D.		04 (03 as Supervisor and 01 as Co-Supervisor)		02					
Researcher/ Expert ID									
Web of Science Researcher ID:	Scopus	Orcid	Google Scholar	Publons	Vidwan				
AAP-3187-2020	7004450627	0000-0001-6588-3690	hod.ch@mjp ru.ac.in	skpandey@mjp ru.ac.in	165286				
Teaching Experience (Subjects/Courses Taught)									
30 Yrs & 6 Months									
Honors & Awards									
1. Qualified CSIR/UGC Joint JRF examination in 1988 and awarded UGC Fellowship 2. Awarded CNRS Post- Doctoral fellowship of France (1994- 1995) 3. Awarded Scientist "Pool" in absentia (May 1996) [not availed] 4. Awarded Spanish Government fellowship (1997) [not availed] 5. Awarded PDF from France (2001) [not availed] 6. Nominated by UGC to visit Hungary under Indo-Hungarian Exchange programme (May 15, 2012- June 14, 2012) 7. Conferred with "Best achievement Award on Organic/Medicinal Chemistry" from Global Society for Health and Educational Growth, N. Delhi on January 30, 2016 at Goa. 8. Conferred with "Distinguished Faculty award in Organic/ Medicinal Chemistry" from Venus International Foundation, Chennai based on the recommendation of Expert Committee and Apex Committee of VIFA-2016 at "Centre for Advance Research and Design" at Venus International Contemporary Academic meet 2016 (VICAM-2016) on July 09, 2016 at Green Park, Chennai. 9. Conferred with Shikshak Samman award by M.J.P. Rohilkhand university on 05-09-2022 on the occasion of Teachers' Day.									
Publications /Academic Activities (Numbers Only)									
Books & Monographs (Single Author)		Research Papers Published in International Journals	22	Papers Presented in Seminars/ Conferences	08	Seminars/ Conferences Organized	07	Research Projects (Completed)	04
Books (Co-authored)	0	Research Papers Published in Other Journals	05	Seminar/ Conferences Attended		Workshops Organized	03	Research Projects (Ongoing)	01
Books (Edited)	09	Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.	--	Sessions Chaired in Seminars/ Conferences	02	Membership of Academic/ Professional Bodies	06	Foreign Countries Visited for Academic Assignments	-
Chapters in Edited Books	03			Resource Lectures Delivered	05				

Details of Publications /Academic Activities (2010 Onwards)				
(a) Books / Monographs				
Year of Publication	Title	Publisher	ISBN	Co-Author (s) (if any)
2022	Mahatma Jyotiba Phule Rohilkhand University: A Perpetual Journey	Agri Horti Press, N. Delhi	ISBN: 978-93-52220-34-2	Prof. K. P. Singh and Prof. S. K. Panday
2024	उत्कृष्ट शैक्षणिक प्रयास की प्रेरणा: सफलता की चाभी, अथक परिश्रम एवं संकल्प में है I	Agri Horti Press, N. Delhi	ISBN: 978-93-5919-429-5	Prof. K. P. Singh and Prof. S. K. Panday
2024	M. J. P. Rohilkhand University; Annual Report: 2023-24	Agri Horti Press, N. Delhi	ISBN: 978-93-6984-192-8	Prof. P. B. Singh; Prof. S. K. Panday , Prof. Vinay Rishiwal, Dr. Vishal Saxena and Dr Mukul Kumar Gupta
2022	National Education Policy and Its Implementation	Agri Horti Press, N. Delhi	ISBN: 978-93-87695-71-9	Prof. K. P. Singh; Prof. S. K. Panday and Dr. Saurabh Mishra.
2022	University Incentive and Financial Assistance Policy for Faculty Members	Agri Horti Press, N. Delhi	ISBN: 978-93-87695-69-6	Prof. K. P. Singh; Prof. S. K. Panday ; Prof. Sanjay Mishra and Dr. Saurabh Mishra.
2025	M. J. P. Rohilkhand University; Annual Report: 2024-25	Agri Horti Press, N. Delhi	ISBN: 978-93-5919-360-1	Prof. P. B. Singh; Prof. S. K. Panday
2025	M. J. P. Rohilkhand University: A Golden Journey of Progression towards Excellence	Agri Horti Press, N. Delhi	ISBN: 978-93-5124-846-0	Prof. K. P. Singh; Prof. S. K. Panday and Dr. Manoj Kumar Singh
2026	M. J. P. Rohilkhand University; Annual Report: 2025-26	Agri Horti Press, N. Delhi		Prof. Vinay Rishiwal and Prof. S. K. Panday
2026	M. J. P. Rohilkhand University: A progressive and Globally Recognized University with Excellent outcomes	Agri Horti Press, N. Delhi	ISBN: 978-93-7767-013-9	Prof. K. P. Singh; Prof. S. K. Panday , Dr. Manoj Kumar Singh and Prof. Bhola khan
2026	M. J. P. Rohilkhand University: The Inspiration For Outstanding work and Determination is the Key to Success	-----	-----	Prof. S. K. Panday
(b) Papers Published in Indexed/ Peer Reviewed Journals (Since 2010)				
Year of Publication	Title	Journal	ISSN/ Indexing	Co-Author (s) (if any)
2010	An Efficient Synthesis of (5S)-1-benzyl5-(1Himidazol-1ylmethyl)-2-pyrrolidinone (MM1): A novel antihypertensive agent	Medicinal Chemistry Research, 19, PP S73-S74	ISSN :1054-2523 (print); 1554-8120 (web)	Sharad Kumar Panday , Jagdish Prasad and Manohar

				Bhushan Pathak
2011	A Straight Forward and Facile Approach towards the N- derivatization of Pyroglutamates through Mitsunobu Reaction: Synthesis of N-alkyl/ N-acyl Pyroglutamates	Synthetic Communications, online: 30 Jun 2011, PP 41, 3654-3661 (2011, Print)	ISSN 0039-7911(Print) 1532-2432(web)	Sharad Kumar Panday , Jagdish Prasad and Manohar Bhushan Pathak
2011	Advances in the chemistry of proline and its derivatives: An excellent amino acid with versatile applications in asymmetric synthesis	Tetrahedron: Asymmetry, 22, 1817-1847 (2011)	ISSN: 0957-4166	Sharad Kumar Panday
2011	An efficient and straight forward synthesis of (5S)-1-benzyl-5(1H-imidazol-1-ylmethyl)-2-pyrrolidinone (MM1): a novel antihypertensive agent	Medicinal Chemistry Research, 21 (3),04-01-2011 (online): PP 321-324 (2012)	ISSN : 1054-2523 (print); 1554-8120 (web)	Sharad Kumar Panday , Jagdish Prasad and Manohar Bhushan Pathak
2012	Acid catalyzed condensation of pyroglutamic acid with arylaldehydes: Synthesis of (3R, 7aS)-3-aryldihydropyrrolo [1, 2-c] oxazol-1, 5(3H, 6H) dione;	Indian Journal of Chemistry Section B 51(12) PP 1781-1784 (2012)	ISSN: 0975-0983 (Online); 0376-4699 (Print)	Jagdish Prasad and Sharad Kumar Panday
2015	An efficient and straight forward strategy for the synthesis of enantiomerically pure (S)-1benzyl-5(alkyl/aryl amino) methyl pyrrolidin-2-ones	Indian Journal of Chemistry Section B 54(07), PP 936-939(2015)	ISSN: 0975-0983 (Online); 0376-4699 (Print)	Sharad Kumar Panday , Manohar Bhushan Pathak and Jagdish Prasad
2018	Sodium Enolate Derived Reactions of N-Boc and N-benzyl-2-(S) Pyroglutamates with Electrophiles: Synthesis of 4-Substituted and 2-Substituted Pyroglutamates	Current Bioactive Compounds Vol. 14 (3),248-253 (2018)	ISSN: 1875-6646 (Online) ISSN: 1573-4072 (Print)	Jagdish Prasad, Pradeep K. Golay and Sharad Kumar Panday
2019	Advances in the Mitsunobu Reaction: An Excellent Organic Protocol with Versatile Applications	Mini-Reviews in Organic Chemistry, 16 (2), PP 127-140 (2019)	ISSN: 1875-6298 (Online) ISSN: 1570-193X (Print)	Sharad Kumar Panday
2019	Structural, vibrational and spectroscopic investigation and HOMO-LUMO analysis of substituted toluene	International Journal of Computational Engineering Research, <u>9</u> , 76-85(2019)	ISSN: 2250-3005	Munish Kumar and Sharad Kumar Panday
2020	Pyroglutamic Acid and its Derivatives: The Privileged Precursors for the Asymmetric Synthesis of Bioactive Natural Products	Mini-Reviews in Organic Chemistry, Vol.17(6), PP 626-646 (2020)	ISSN: 1875-6298 (Online) ISSN: 1570-193X (Print)	Sharad Kumar Panday
2020	Asymmetric synthesis of 2, 4, 5-substituted prolines through 1, 3-dipolar addition reaction of N-arylidene menthyl esters of α -amino acid with methyl	Indian Journal of Chemistry Section B Published on	ISSN: 0975-0983 (Online); 0376-4699 (Print)	Jagdish Prasad, Munish Kumar and Sharad Kumar Panday

	acrylate	line(July 2020)		
2022	Pyrazole and its derivatives: An excellent N-hetrocycle with vide range of biological applications (A Review)	Oriental Journal of Chemistry Vol. 38, No. (3): Pg. 568-592(2022)	ISSN: 0970-020x(Print); 2231-5039 (Online)	Munish Kumar and Sharad Kumar Panday
2023	An easy and straight forward approach towards the synthesis of N-benzyl-5(S) - Substituted pyrrolidin-2-ones from N-benzyl-5(S) - pyroglutaminol through Mitsunobu reaction	Current Bioactive Compounds (Bentham publications), 19, 49-53(2023)	ISSN: 1875-6646 (Online) ISSN: 1573-4072 (Print)	Sharad Kumar Panday and Munish Kumar
2023	Synthesis of pH-sensitive nanocarrier-based acrylic acid-grafted-flaxseed gum for quercetin delivery for anti-cancer application	Bioactive Carbohydrates and Dietary Fibre (Elsevier), Published online May 22, 2023	ISSN 2212-6198	Brijesh Kumar, Sharad Kumar Panday , Pramendra Kumar;
2024	Environment friendly simple and straight forward approach towards the C-4 functionalization of (2S)-5 oxoproline methyl ester;	Current Bioactive Compounds (Bentham publications, Vol.20(10) (2024)	ISSN: 1875-6646 (Online) ISSN: 1573-4072 (Print)	Sharad Kumar Panday and Munish Kumar
2025	Mapping the evolution and impact of carbon nanomaterials for epidermal care: A bibliometric analysis	Carbon Trends, 21, 100585 (2025)	ISSN: 2667-0569	Vishesh Kumar Gangwar, Sanjesh Singh, Anuj Rana, Sarita Dhaka, Rahul Kumar Dhaka, S. K. Panday , K. P. Singh

(c) Patents:

Granted: 06 (Design Patents)
Published: 17 (Utility Patents)

(d) Seminar/Conference Presentations

1. A new approach to 4- α -arymethyl pyroglutamate; L. N. Goswami, D. Mishra, **S. K. Panday** and D. K. Dikshit, International symposium on "Current Trends in Drug Discovery and Research" (CTDDR-2001 held at Central Drug Research Institute, Lucknow, PI-25, page 113.
2. An Efficient Synthesis of (5S)-1-benzyl-5-(1H-imidazol-1-ylmethyl)-2-pyrrolidinone (MM1): A Novel antihypertensive agent; J. Prasad, M. B. Pathak and **S. K. Panday**, International symposium on "Current Trends in Drug Discovery and Research" (CTDDR-2010 held at Central Drug Research Institute, Lucknow, w.e.f. Feb. 17-21, 2010
3. An Efficient and straight forward strategy for the synthesis of 5(S)- Aminoalkyl Pyrrolidin-2- ones; M. B. Pathak J. Prasad, and **S. K. Panday**, International symposium on "Current Trends in Drug Discovery and Research" (CTDDR-2010) held at central Drug Research Institute, Lucknow, w.e.f. Feb. 17-21, 2010

4. A simple approach towards the synthesis of N-Benzyl-5(S) - Substituted pyrrolidin-2-one from N-benzyl-5(S) - pyroglutaminol through Mitsunobu reaction; **Sharad Kumar Panday**, Harish Kumar and Jagdish Prasad, International symposium on "Current Trends in Drug Discovery and Research" (CTDDR-2016) held at central Drug Research Institute, Lucknow, w.e.f. Feb. 25-28, 2016
5. Proline catalyzed aldol/alkylation reactions of N-benzyl-2(S)-pyroglutamates: Synthesis of 2-substituted pyroglutamates; **Sharad Kumar Panday**, Munish Kumar and Sameer Kumar Jaggi; National Conference on recent trends and advancements in chemical sciences held at Delhi University w.e.f. March 29-31, 2019
6. Proline catalyzed synthesis of 4-substituted pyroglutamates; **Sharad Kumar Panday** and Munish Kumar; International Conference on Emerging Materials and Applications (ICEMA-2017) held at University of Allahabad w.e.f. February 20-22, 2017
7. An Easy Synthetic Route to N-Benzyl-Substituted Pyrrolidine-2-ones as an ACE inhibitors derived from N-Benzyl Esters; Vinay Kumar, Munish Kumar, Vishesh Kumar Gangwar, Munish Gangwar, Shiv Dev Singh and Sharad Kumar Panday
8. An Easy and straight approach towards the synthesis of N-benzyl-Substituted pyrrolidine-2-thiones as probable bioactive compound from N-Benzyl Thio ester Munish Gangwar, Vinay Kumar, Munish Kumar, Vishesh Kumar Gangwar, Prof. S.K. Panday, Dr. S.D. Singh

(e) Resource Lectures Delivered

1. IQAC work Shop (MJPRU): Resource Person on Choice Based credit System (2015)
2. Research Orientation workshop: Resource Person on Research bibliography & Referencing (2018)\
3. National Seminar on NEP: Resource Person on Effective Implementation of NEP-2020 (2021)
4. One week workshop on NEP Resource Person on Effective Implementation of NEP-2020 (March 2021)

(f) Seminars/Conferences/Workshops Organized

1. Participated in organizing a National Seminar on "Materials & Devices" (MD-2002) in March 2002 in the capacity of member, Organizing Committee and Chairman, Finance Committee
2. Organized an International Seminar on Pharmacovigilance (PVDDRM-05) as Member, Organizing Committee
3. Organized "Research Orientation Workshop" on November 28-29, 2007 in the subject Chemistry at M. J. P. Rohilkhand University, Bareilly in the capacity of Coordinator of the Workshop.
4. Organized a National Seminar on "Management of Environmental Pollution for Sustainable Energy Production" held in April 2010 as Joint Secretary of Local Organizing Committee
5. Organized a National Seminar on "Advancements & Futuristic Trends in Material Science (AFTMS-2011)" as member Technical Committee held in April 2011 at M. J. P. Rohilkhand University, Bareilly
6. Organized one week National Workshop on "Recent Advances in Organic& Polymer Chemistry (RAOPC-14)" w.e.f. February 17-22, 2014 as Coordinator of Workshop.
7. Organized one week National Workshop on "Innovative Research on Materials in Science& Engineering (IRMSE-2016)" w.e.f. April 17-22, 2016 as Chairman of Workshop

(g) Public Service / University Service / Consulting Activity

1. Manager/Secretary of Disha School
2. Director, Rohilkhand Incubation Foundation
3. Nominated by UGC to visit Hungary under Indo-Hungarian Exchange program in 2011 (not availed).

(h) Memberships of Academic/Professional Bodies

1. Life member of the Indian Chemical Society, Kolkata
2. Life member Chemical Research Society of India, IISC, Bangalore
3. Editorial board member, Indian Journal of Drugs
4. Life member, International Society for Research and Development, London Press
5. Life Member, Indian Science Congress, Kolkata

Projects (With Title, Year, Grants, Funding Agency and Collaborations)	
1.	A Project from AICTE entitled “Computer Aided Drug Design and Development: Synthesis of potential antitumor and antihypertensive agents” amounting Rs 5.0 Lacs (1997-2000)
2.	A Project from UGC entitled “Chiral functionalization of pyroglutamates: Synthesis of Pseudodistomin an anti- neoplastic piperidine alkaloid and (-)- anisomycin an antifungal antibiotic.” Amounting Rs. 6,09,000/= (2007-2010)
3.	A Project from UGC entitled “Synthesis of potent Angiotensin converting enzyme inhibitors as antihypertensives” amounting Rs. 8,81,000/= (July 2011- December 2014)
4.	A project from TEQIP (MHRD) entitled “Designing and synthesis of potential ACE inhibitors and A-II antagonists” amounting Rs. 2.0 lacs (2019-21)
5.	A project from State Government under Centre of Excellence amounting Rs. 8.21 lacs
6.	A project from ANRF-PAIR (Department of Science & Technology, Govt of India, where a Grant of Rs 10.35 crores has been received where I am Co-Principal investigator
Administrative Positions/Assignments Held	
1.	Head, Department of Chemistry (February 1996- October 2017)
2.	Head, Department of Pharmacy (January 1997- November 1998)
3.	I/C Library, IET (February 1996- July 1998)
4.	I/C Examination, IET (July 1998- August 2000)
5.	I/C Academic, IET (September 2002- July 2008)
6.	Chairman, Purchase Committee, IET (August 2008- till date)
7.	ADSW (September 2001- January 2003)
8.	Warden (December 2008- March 2011)
9.	Chief, Employment Bureau (February 2012-February2013)
10.	Chief Coordinator (Entrance): February 2018-till date
11.	Coordinator(admission): 2019-till date
12.	Deputy Coordinator (U.P.B.Ed.J.E.E.-2019)
13.	Dean, Faculty of Engineering& Technology (June 26, 2019-June 25, 2022)
14.	Head, Department of Chemistry (March 15, 2022-till date)
15.	State Co- Coordinator (U.P.B.Ed.J.E.E.-2022)
16.	Dean, Academics (October 2022- till date)
17.	Dean, College Development Council (October 2024-till date)
18.	Director, Centre for Distance and Open Education (CDOE)
Academic Foreign Visits	
CNRS Post doctoral Fellow at Institut de Chimie des Substances Naturelles, Centre Nationale de la Recherche Scientifique, Avenue de la Terrasse, F-91198, Gif-sur-Yvette, Cedex, France (January 1994- December 1995, Two years)	
Any Other Details	
1.	Claisen Rearrangement of (Aryl allenyl methyl) Ethers: Synthesis of 2-(O-hydroxy aryl) buta 1, 3- dienes: Dinesh Kumar Dikshit, Sangeeta Singh and Sharad Kumar Panday, J. Chem. Research, P. 298 (1991).
2.	Aldol Reactions of Pyroglutamates: Chiral Synthesis of 4- α (S) and 4- β (R)-aryl methyl Pyroglutamates; Dinesh Kumar Dikshit and Sharad Kumar Panday, J.Org. Chem. 57, 1920 (1992).
3.	Behaviour of 5- thioxo Prolinates towards Electrophiles: Synthesis of α – Substituted 5- thioxo Prolinates; Dinesh Kumar Dikshit and Sharad Kumar Panday, Indian Journal of Chemistry, 31B, 123 (1992).
4.	Formation of N, N’-bis(1-S-carboxyethylamino) benzene butanoate with di-t-butyl dicarbonate; Dinesh Kumar Dikshit and Sharad Kumar Panday, Indian Journal of Chemistry, 32B, 788 (1993).
5.	A Short and Efficient Synthesis of (S)-4-Methylene Pyroglutamic acid Benzyl ester from (S)- Pyroglutamic acid; Sharad Kumar Panday, Dominique Griffert Brunet and Nicole Langlois,

Tetrahedron Lett., **35**, 6673 (1994).

6. Self Reproduction of Chirality in Pyroglutamates: Reactions at α -Positions with Electrophiles; Dinesh Kumar Dikshit, Anjana Maheshwari and **Sharad Kumar Panday**, **Tetrahedron Lett.**, **36**, 6131 (1995).
7. Enantioselective Synthesis of (S)-5-Amino piperidine-2-one from (S)-Pyroglutaminol, **Sharad Kumar Panday** and Nicole Langlois, **Tetrahedron Lett.**, **36**, 8205 (1995).
8. A Simple and Straight Forward Synthesis of (-) - Bulgecinine; **Sharad Kumar Panday**, and Nicole Langlois, **Synthetic Communications** **27**, 1373 (1997).
9. Cycloaddition- hydrogenolysis Strategy for the Synthesis of 2,4-disubstituted Pyroglutamtes; Lalit N. Goswami, Stuti Srivastava, **Sharad Kumar Panday** and Dinesh Kumar Dikshit; **Tetrahedron Lett.**, **42**, 789 (2001).
10. Synthesis of N-[3'-(acetylthioalkanoyl)] and N-[3'-mercaptoalkanoyl]-4- α (S)-(phenylmethyl) Pyroglutamic acids and Prolines as Potent ACE Inhibitors; **Sharad Kumar Panday**, Madhu Dikshit and Dinesh Kumar Dikshit; **Medicinal Chemistry Research**, **18**, 566(2009).
11. Synthesis of 2(S), 4(S), 5(R)-1-acyl-5-arylproline-2, 4-dicarboxylicesters; **Sharad Kumar Panday**, Jagdish Prasad and Dinesh Kumar Dikshit; **Journal of Indian Chemical Society**, **86**, 1079 (2009).
12. An Efficient Synthesis of (5S)-1-benzyl-5-(1Himidazol-1-ylmethyl)-2-pyrrolidinone (MM1): A novel antihypertensive agent; **Sharad Kumar Panday**, Jagdish Prasad and Manohar Bhushan Pathak **Medicinal Chemistry Research**, **19**, PP S73-S74(2010).
13. Pyroglutamic acid: A Unique Chiral Synthone: **Sharad Kumar Panday**, Jagdish Prasad and Dinesh Kumar Dikshit; **Tetrahedron: Asymmetry**, **20**, 1581-1631 (2009).
14. A Straight Forward and Facile Approach towards the N- derivatization of Pyroglutamates through Mitsunobu Reaction: Synthesis of N-alkyl/ N-acyl Pyroglutamates; **Sharad Kumar Panday**, Jagdish Prasad and Manohar Bhushan Pathak; **Synthetic Communications**, **41**, 3654-3661(2011).
15. Acid catalyzed condensation of pyroglutamic acid with arylaldehydes: Synthesis of (3R, 7aS)-3-aryldihydropyrrolo [1, 2-c] oxazol-1, 5(3H, 6H)-dione; Jagdish Prasad and **Sharad Kumar Panday**; **Indian Journal of chemistry**, **51B**, 1781-1784(2012).
16. An Efficient and Straight Forward Synthesis of (5S)-1-benzyl-5-(1H-imidazol-1-ylmethyl)-2-pyrrolidinone (MM1): A Novel antihypertensive agent; Jagdish Prasad, Manohar Bhushan Pathak and **Sharad Kumar Panday**, **Med. Chem. Research**, **21**, 321-324(2012).
17. Advances in the chemistry of proline and its derivatives: an excellent amino acid with versatile applications in asymmetric synthesis; **Sharad Kumar Panday**, **Tetrahedron: Asymmetry**, **22**, 1817-1847(2011).
18. An Efficient and Straight forward Strategy for the Synthesis of Enantiomerically pure(S)-1- Benzyl-5-((Alkyl/Aryl amino-methyl)-Pyrrolidin-2-ones; **Sharad Kumar Panday**, Manohar Bhushan Pathak and Jagdish Prasad, **Indian Journal of Chemistry**, **54(B)**, 936-39(2015).
19. Sodium Enolate Derived Reactions of N-Boc and N-benzyl-2-(S) Pyroglutamates with Electrophiles: Synthesis of 4-Substituted and 2-Substituted Pyroglutamates Jagdish Prasad, Pradeep K. Golay and **Sharad Kumar Panday**, **Current Bioactive Compounds Vol.** **14 (3)**, 248-253 (2018).

20. Structural, vibrational and spectroscopic investigation and HOMO-LUMO analysis of substituted toluene; Munish Kumar and **Sharad Kumar Panday**; International Journal of Computational Engineering Research, **9**, 76-85(2019).
21. Advances in the Mitsunobu Reaction: An Excellent Organic Protocol with Versatile Applications; **Sharad Kumar Panday**; Mini-Reviews in Organic Chemistry, **16(2)**, PP 127-140 (2019).
22. Pyroglutamic Acid and its Derivatives: The Privileged Precursors for the Asymmetric Synthesis of Bioactive Natural Products; **Sharad Kumar Panday**; Mini-Reviews in Organic Chemistry, Vol.17(6), PP 626-646 (2020).
23. Asymmetric synthesis of 2, 4, 5-substituted prolines through 1, 3-dipolar addition reaction of N-arylidene menthyl esters of α -aminoacid with methyl acrylate; Jagdish Prasad, Munish Kumar and **Sharad Kumar Panday**; Indian Journal of Chemistry Section B Published on line (July 2020).
24. Pyrazole and its derivatives: An excellent N-hetrocycle with vide range of biological applications (A Review); Munish Kumar and **Sharad Kumar Panday**; Oriental Journal of Chemistry Vol. 38, No. (3): Pg. 568-592(2022).
25. An easy and straight forward approach towards the synthesis of N-benzyl-5(S) - Substituted pyrrolidin-2-ones from N-benzyl-5(S) - pyroglutaminol through Mitsunobu reaction; **Sharad Kumar Panday** and Munish Kumar; Current Bioactive Compounds (Bentham publications), 19, 49-53(2023)
26. Synthesis of pH-sensitive nanocarrier-based acrylic acid-grafted-flaxseed gum for quercetin delivery for anti-cancer application; Brijesh Kumar, **Sharad Kumar Panday**, Pramendra Kumar; Bioactive Carbohydrates and Dietary Fibre (Elsevier), Published online May 22, 2023
27. Environment friendly simple and straight forward approach towards the C-4 functionalization of (2S)-5 oxoproline methyl ester; **Sharad Kumar Panday** and Munish Kumar; Current Bioactive Compounds (Bentham publications (In Press)).
28. Mapping the evolution and impact of carbon nanomaterials for epidermal care: A bibliometric analysis; Vishesh Kumar Gangwar, Sanjesh Singh, Anuj Rana, Sarita Dhaka, Rahul Kumar Dhaka, **S. K. Panday**, K. P. Singh; Carbon Trends, 21, 100585 (2025)

Signature of Faculty Member
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Note: Please submit this file to E-mail ID: rkg@mipru.ac.in through your own E-mail ID.