CURRICULUM VITAE

Dr. Sandeep Kumar Mogha

Associate Professor
Department of Mathematics
University of Delhi
Delhi-110007, India
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Qualification:

- *Ph.D*. (Mathematics) - 2014
  Indian Institute of Technology Roorkee, Roorkee, Uttarakhand-247667
- *M. Phil.* (Mathematics)-2010   Ist Division   64.00%
  C.C.S. University Campus, Meerut (U.P.)
- *B.Ed.* (Mathematical Science)-2008   Ist Division   65.00%
  C.C.S. University Campus, Meerut (U.P.)
- *M.Sc.* (Mathematics)-2007   Ist Division   71.25%
  C.C.S. University Campus, Meerut (U.P.)
- *B.Sc.* (PSM)-2004   Ist Division   60.41%
  Digambar Jain College Baraut, affiliated to C.C.S. University, Meerut (U.P.)
- *Intermediate* (Mathematics)-2001   II$_{nd}$ Division   58.40%
  U.P. Board Allahabad (U.P.)
- *High School (*Science Stream)-1998   II$_{nd}$ Division   52.33%
  U.P. Board Allahabad (U.P.)

Extra Academies Activities:

- ERP/Time Table Coordinator, Department of Mathematics, University Institute of Sciences, Chandigarh University, Mohali, Punjab, **July 2022 to June 2024**.
- Departmental International Coordinator, Department of Mathematics, Chandigarh University, Mohali, Punjab, **May 2021 to June 2022**.
- Time Table Coordinator, Department of Mathematics, SGT University, Gurugram, **January 2017 to June 2020.**
- Time Table Coordinator, Department of Applied Sciences, The NorthCap University, Gurugram, **January 2016 to Aug 2016.**
- Chaired a Session in *International Conference on Soft Computing: Theories and Application* (SoCTA-2016) held in Dec. 28-30, 2016 at Amity University, Jaipur.
- Centre Superintendent in Examinations, **May-June 2018, Nov-Dec. 2018, May-June 2019, Nov-Dec. 2019** at SGT University.
- Deputy Centre Superintendent in Examinations **May-June 2017, Dec 2017,** SGT University.
- Reviewer for the various Journals.

Teaching Experience:

S.No.	Organization	Designation	From	To
1.	DIT University, Dehradun	Assistant Professor	July 30, 2014	July 31, 2015
2.	The NorthCap University, Gurgaon (Formerly ITM University)	Assistant Professor	Aug. 01, 2015	Aug. 31, 2016
3.	SGT University, Gurgaon	Assistant Professor	Sep. 01, 2016	June 24, 2020
4.	Chandigarh University, Mohali, Punjab	Assistant Professor	July 22, 2020	Oct 31, 2023
5.	Chandigarh University, Mohali, Punjab	Associate Professor	Nov 01, 2023	May 29, 2025
6	University of Delhi	Associate Professor	May 30, 2025	Cont.

Special Achievement:

- UGC- **JRF** Qualified in December 2008,

Research Fellowship:

Junior Research Fellowship	July 2009 – July 2011	Funding Agency: University Grant Commotion (UGC), India
Senior Research Fellowship	August 2011 –June 2014	
DST Grant 2014	To attend 12th International Conference on Data Envelopment Analysis (DEA-2014) during April 14-17, 2014, Malaya University, Kuala Lumpur, Malaysia.	

Research Area:

- My primary research interest is in Operations Research.
- In particular, I am interested in linear programming-based Data Envelopment Analysis (DEA) technique
- My thesis title is "Efficiency Measurement of Public Sector Hospitals in Uttarakhand through **DEA** Technique".
- M.Phil Thesis title: Controllability of Fractional Integro-Differential Systems

Extra Activities:

- **Bhawan Secretary** (elected) of Govind Bhawan, IIT Roorkee, session- 2011-2012.
- **Board of Research** committee member at IIT Roorkee in the year- 2011- 2012.
- **Anti-Ragging** committee member of Govind Bhawan at IIT Roorkee in the year- 2011-12, 2012-13, 2013-14.
- **Warden,** Hostel Royal Campus, DIT University, Dehradun from 04/08/2014 to 31/07/2015.

Ph.D. Guidance:

Students currently registered for Research Work:
- **Sonia Dua**, (20YMM1013) (Reg. July 2020): Development of Sustainable Inventory Control Strategies and Applications. **(Awarded Sep 09, 2024).**
- **Neha Sharma**, (21YMM1010) (Reg. Jan. 2021): Efficiency Measurement of Hotels and Restaurants in India through Data Envelopment Analysis Technique, **(Synopsis Approved, About to Submit).**
- **Sonal Deshwal**, (21YMM1031) (Reg. July 2021): Advanced Variants of Jaya Algorithms and Their Applications. **(Synopsis Approved, About to Submit).**

M.Sc. Dissertation Guidance:

1. **Neha Kumari**, "Efficiency Measurement of Academic Departments through Data Envelopment Analysis", May-June 2016. (NCU Affiliation)
2. **Siddharth Sood**, "A Study on Different Models in Data Envelopment Analysis", May-June 2016. (NCU Affiliation)
3. **Pooja Sharma**, "Efficiency Measurement of Private Sector Hospitals in India Through Data Envelopment Analysis Technique" May-June 2017. (NCU Affiliation)
4. **Dolly,** "Brain Stroke Prediction by Using Machine and Deep Learning", June 2024 with **Scopus** publication. (CU Affiliation)
5. **Umesh Mangal,** "Data-Driven Decision Making: Maximizing Insights through Business Intelligence, Artificial Intelligence and Big Data Analytics", June 2024 with **Scopus** publication. (Chandigarh University Affiliation)
6. **Suryatej S. Kumar,** "Material Management in Automobile Industry: Era 4.0", June 2024 with **Scopus** publication. (Chandigarh University Affiliation)
7. **Rishav Chandel**, "Innovative Guava Leaf Spot Acuteness Assessment with YOLOv5 and Attention Model" June 2024 with **Scopus** publication. (CU Affiliation)
8. **Vikas Jangid, "**A Cost-Sensitive XG-Boost Approach to Predictive Failure and Expense Reduction", June 2025 with **Scopus** publication. (CU Affiliation)
9. **Muskan Ara**, "Custom Convolutional Neural Networks for Pneumonia Diagnosis from Chest X-rays" with **Scopus** publication (CU Affiliation)
10. **Kiran,** "DEA-Enhanced Hybrid Approach for Predicting Hotel Efficiency: Analysis of Probabilistic and Neural Network Approaches, with **Scopus** publication (CU Affiliation).
11. **Aman Kumar Singh,** "A Comparative and Ensemble-Based Framework for Data-Driven Weather Prediction, with **Scopus** publication (CU Affiliation)

Papers in Journals:

1. **Sandeep Kumar Mogha** (2024), "Benchmarking the Performance of Hotel and Restaurant Sector in India", OPSEARCH, 07.02.2025, **(Communicated). (Q2, ESCI, I.F. 1.6)**
2. Sonal Deshwal, **Sandeep Kumar Mogha** and Pravesh Kumar, (2024), "An Adaptive Population Learning Based Improved Variant of EJaya", **OPSEARCH**, **Communicated (SCI, I.F. 1.6),** (March, 2025)

3. **Sandeep Kumar Mogha,** Vikash, Dhirendra Singh and Dharmendra Yadav (2025), "An Integrated Sustainable Inventory Model for New and Refurbished Products" *International Journal of Process Management and Benchmarking*, (**Accepted**) Scopus (06.04.2025).

4. **Sandeep Kumar Mogha**, Sonal Deshwal and Pravesh Kumar, (2025), "Current-to-Best Crossover for Modified Jaya Algorithm", *International Journal of Mathematical, Engineering and Management Sciences*, Vol. 10, No. 4, pp. 1055-1079 (**Q2, ESCI, I.F. 1.3),** ISSN: 2455-7749.

5. Sonia Dua, **Sandeep Kumar Mogha** and Himani Dem, (2024), "An Optimal Inventory System under Markdown Dependent Demand Environment", *International Journal of Mathematics in Operational Research*, (**Scopus-Accepted) ISSN online** 1757-5869

6. Sonia Dua, **Sandeep Kumar Mogha** and Himani Dem, (2024), "A Sustainable Inventory System under the Impact of Partial Trade Credit", *International Journal of Mathematics in Operational Research*, Vol. 29, No. 03, pp. 354-376. (**Scopus**) ISSN 1757-5869

7. Neha Sharma, **Sandeep Kumar Mogha** and R.K. Pavan Kumar Pannala (2024), "Principal Component Analysis and DEA: A Combined Measure", *Journal of Autonomous Intelligence,* Vol. 7, No. 5, pp. 1016, DOI: 10.32629/jai.v7i5.1016 **(Scopus), ISSN 2630-5046**

8. Neha Sharma, **Sandeep Kumar Mogha**, (2024), "Super Efficiency and Sensitivity Analysis of the Indian Hotel and Restaurants," *OPSEARCH,* Vol. 61, pp. 2131–2157, https://doi.org/10.1007/s12597-024-00781-1, **ESCI (I.F. 1.6, Q2)** ISSN: 0975-0320

9. **Sandeep Kumar Mogha**, (2023), "Sensitivity in Efficiency and Super Efficiency Evaluation: Case of a Private Education Institution", International Journal of Operational Research, Vol. 47, No. 1, pp. 16-32. (**Scopus**) ISSN online 1745-7653

10. Varun Mahajan, **Sandeep Kumar Mogha** and R.K. Pavan Kumar Pannala (2023), "Evaluation of Efficiency and Ranking of Indian Hotels and Restaurants: Bootstrap DEA," *Benchmarking: An International Journal*, Vol. 31 No. 1, pp. 186-198, **ESCI (I.F. 4.5, Q1)** ISSN: 1463-5771

11. R.K. Pavan Kumar Pannala, **Sandeep Kumar Mogha**, Neha Sharma and Vikas Garg (2022), "Combined Shannon's Entropy and DEA: Case of Indian Hotel and Restaurant Sector," International Journal of Data Analysis Techniques and Strategies (IJDATS), Vol.14, No.3, pp. 203 - 218. (**Scopus**) ISSN online 1755-8069

12. **Sandeep Kumar Mogha** and Mamta Rani (2021), "Taylor Series Solution of a Single Server Queueing Model with Feedback", *International Journal of Process Management and Benchmarking,* Vol. 11, No. 5, pp. 658-670. (**Scopus**) **Publishing Date: August 24, 2021.** (*InderScience*). **ISSN online** 1741-816X

13. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2016), "Estimating Technical Efficiency of Public Sector Hospitals of Uttarakhand (India)", *International Journal of Operational Research*, **Vol. 25, No. 3. pp. 371-399**. ISSN 1745-7645/1745-7653, **Publishing Date: February 9, 2016.** (*InderScience*).

14. **Sandeep Kumar Mogha** and Shiv Prasad Yadav, (2016), "Application of Differential Evaluation for Data Envelopment Analysis", *International Journal of Data Science*, **Vol. 1, No. 3. pp. 247-258**. ISSN 2053-082X/2053-0811, (*InderScience*).

15. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2015), "Slack Based Measure of Efficiencies of Public Sector Hospitals in Uttarakhand (India)", *Benchmarking: An International Journal*, **Vol. 22, No. 7. pp. 1229-1246**. **SCIE ISSN** 1097-4954/ 1745-1329. **Publishing Date: October 5, 2015, (*Emerald*).** ISSN online 1745-1329 **ESCI (I.F. 4.5, Q1)**

16. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2015), "Total Factor Productivity Growth in Private Sector Hospitals of India: An Assessment through MPI Approach", *Global Business and Economic Review*, **Vol. 17, No. 2, pp. 164-187**. **Scopus,** ISSN 1097-4954/ 1745-1329. Publication date **March 5, 2015, (*InderScience*)**.

17. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2015), "Technical Efficiency and Productivity Growth in Public Sector Hospitals of Uttarakhand (India)", *International Journal of Systems Assurance Engineering and Management*, **Vol. 6, No. 4, pp. 390-406**. ISSN 0975-6809/0976-4348, (*Springer*). **ESCI (I.F. 1.6, Q2).**

18. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2014), "Estimating Technical and Scale Efficiencies of Private Hospitals Using a Non-Parametric Approach", *International Journal of Operational Research*, **Vol. 20, No. 1, pp. 21-40**. **Scopus,** ISSN 1745-7645/1745-7653, (*InderScience*).

19. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2014), "New Slack Model Based Efficiency Assessment of Public Sector Hospitals of Uttarakhand: State of India", *International Journal of Systems Assurance Engineering and Management*, (Springer), **Vol. 5, No. 1, pp. 32–42.** ISSN 0975-6809/0976-4348, (*Springer*). **ESCI (I.F. 1.6, Q2).**

20. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2012), "Performance Evaluation of Indian Private Hospitals Using DEA Approach with Sensitivity Analysis", *International Journal of Advance in Management and Economics*, **Vol. 1, No. 2, pp. 1-12. ISSN** 2278-3369. Publishing Date: March-April, 2012.

Book Chapters:

1. Sonal Deshwal, Pravesh Kumar and **Sandeep Kumar Mogha**, (2023), "Improved Jaya Algorithm with Inertia Weight Factor", Part of the book Women in Engineering and Science book series (WES), First Online: 19 December 2023. ISSN 2509-6435

2. **Sandeep Kumar Mogha**, Suryatej S Kumar and Jatinder Kaur (2024), "Industry 5.0: Addressing Sustainability Challenges through Human-Machine Collaboration", Digital Manufacturing in Industry 5.0 (Springer) **Accepted**

Papers in Conference Proceedings:

1. Sonal Deshwal, **Sandeep Kuamr Mogha** and Pravesh Kumar, (2024), "Adaptive Learning EJAYA for Constrained Optimization Problem", 13th *International Conference on Soft Computing for Problem Solving,* **Accepted 21.01.25, Scopus, Springer**

2. **Sandeep Kumar Mogha**, Sonia Dua, Vikash Tyagi and Dhirendra Singh, (2024), "A Supply Chain Inventory Model with Fuzzy Environment in Circular Economy", 13th

International Conference on Soft Computing for Problem Solving, **Accepted 21.01.25, Scopus, Springer**

3. Neha Sharma and **Sandeep Kumar Mogha**, (2024) "Two-stage Data Envelopment Analysis in Measuring Efficiency of Indian Hotels and Restaurants in India", *International Conference on Hybrid Intelligence: Theories and Applications* (**HITA-Oct 18-19, 2024**)*,* **Accepted, Scopus, Springer**

4. **Sandeep Kumar Mogha** and Sonia Dua, (2024), "An Optimal Production Inventory System with Carbon Emission Cost", *International Conference on Hybrid Intelligence: Theories and Applications* (**HITA-2024**)*,* **Accepted, Scopus, Springer**

5. **Sandeep Kuamr Mogha**, Sonal Deshwal and Pravesh Kumar, (2024), "Enhanced Jaya Algorithm with Learning Based Optimization", *International Conference on Hybrid Intelligence: Theories and Applications* (**HITA-2024**)*,* **Accepted, Scopus, Springer**

6. Sonal Deshwal, Pravesh Kumar and **Sandeep Kumar Mogha**, (2023) "An Improved Jaya Algorithm (IJAYA) for Optimization", Soft Computing: Theories and Applications (SoCTA-2022) on Dec. 16-18, 2022, at Himachal Pradesh University, Himachal, India, Published in [Lecture Notes in Networks and Systems](book series (LNNS,volume 627), pp. 665-674.

7. Neha Sharma and **Sandeep Kumar Mogha** (2023), "Measuring Efficiency of Hotels and Restaurants using Recyclable Input and Outputs", International Conference on *Soft Computing for Problem Solving (Soc.Pros-2022.)* held in May. 14-15, 2022 at IIT Mandi, India, Published in [Lecture Notes in Networks and Systems](book series (LNNS, Volume 547), pp 577–589.

8. R. K. Pavan Kumar. Pannala, N. Bhanu Prakash and **Sandeep Kumar Mogha** (2023), "Efficiency measurement at major ports of India during the years 2013-14 to 2018-19: A Comparison of results obtained from DEA Model and DEA with Shannon Entropy Technique", International Conference on *Soft Computing for Problem Solving (Soc.Pros-2022.)* held in May. 14-15, 2022 at IIT Mandi, India, Published in [Lecture Notes in Networks and Systems](book series (LNNS, Volume 547), pp 603–614.

9. Sunil Bhardwaj, **Sandeep Kumar Mogha** and Vikas Garg (2022), "Mathematical Modelling of Failure Process for Repairable Systems", "3rd Int. Conference on Mathematical Modelling, Computational Intelligence Techniques and Renewable Energy, (MMCITRE-2022), March 04-06, 2022, at University of Technology, Sydney, Volume 1440, pp. 163-169.

10. Sonia Dua, **Sandeep Kumar Mogha** and Himani Dem, (2022), "A Production Inventory System under Impact of Carbon Emission and Reliability", Soft Computing: Theories and Applications (SoCTA-2021) on Dec. 17-19, 2021, at IIIT Kota Rajasthan, Published in [Lecture Notes in Networks and Systems](book series (LNNS, Volume 425), pp 191-201.

11. **Sandeep Kuamr Mogha**, Alok Kumar, Amit Kumar and Mohd Hussain Kunroo, (**2016**), "Performance Measurement of Academic Departments: Case of a Private Institution", *Int. Conf. on Soft Computing: Theories and Application* (SoCTA-2016) held in Dec. 28-30, 2016 at Amity University, Jaipur, pp. 387-396, Published in Advances in Intelligent Systems and Computing.

12. Imran Ali, U.S. Rana, Milli Pant, Sunil Kumar Jauhar and **Sandeep Kumar Mogha**, (**2016**), "Technical Efficiency of Academic Departments: Case of Government PG college", Int. *Conf. on Soft Computing: Theories and Application* (SoCTA-2016) held

in Dec. 28-30, 2016 at Amity University, Jaipur, pp. 409-417, Published in Advances in Intelligent Systems and Computing.

13. Mohd Hussain Kunroo, Mansi Khurana, Irfan Sofi and **Sandeep Kumar Mogha**, (**2016**), "Re-visiting the impact of Euro on trade flows: New evidence using gravity equation with Poisson count-data technique", *Int. Conf. on Soft Computing for Problem Solving,* held in Dec. 24-26, 2016 at Thapar University, Panjab, pp. 229-239, Published in Advances in Intelligent Systems and Computing

14. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2014), "Efficiency Assessment of Secondary Level Public Hospitals of Uttarakhand (India)", Emrouznejad, A., Banker R., Doraisamy, S.M. and Arabi, B. (2014), "Recent Developments in Data Envelopment Analysis and its Applications", Proceedings of the 12th International Conference on DEA, April 14-17, 2014, Malaya University, Kuala Lumpur, Malaysia, ISBN: 978 1 85449 487 0, pp. 151-157.

15. **Sandeep Kumar Mogha** and Shiv Prasad Yadav and S.P. Singh, (2013), "SBM-DEA Model Based Efficiency Assessment of Public Sector Hospitals in Uttarakhand, India" Proceedings by Springer in *Int. Conf. on Soft Computing for Problem Solving* (Soc.Pros.-2013) held in Dec. 26-28, 2013 at Noida Extension center IIT Roorkee, Vol. 258, pp 467-480.

16. **Sandeep Kumar Mogha**, Shiv Prasad Yadav and S.P. Singh, (2011), "Technical and Relative Efficiency Assessment of Some Private Sector Hospitals in India" Proceedings by Springer in International Conference on *Soft Computing for Problem Solving (Soc.Pros.)* held in Dec. 20-22, 2011 at IIT Roorkee, AISC 130, pp 657-666, Published in Advances in Intelligent and Soft Computing

17. Parvesh Kumar, **Sandeep Kumar Mogha** and Milli Pant, (2011), "Differential Evaluation of Data Envelopment Analysis" Proceedings by Springer in International Conference on *Soft Computing for Problem Solving (Soc.Pros.)* held in Dec. 20-22, 2011 at IIT Roorkee, AISC 130, pp 311-319, Published in Advances in Intelligent and Soft Computing

Papers Published in Conference (M.Sc. Students):

1. **Sandeep Kuamr Mogha** and Kiran, (2024), "Enhanced Hybrid DEA Approach for Predicting Hotels Efficiency: Probabilistic and Neural Network Approaches", 13th *International Conference on Soft Computing for Problem Solving,* **Accepted 21.01.25, Scopus, Springer**

2. **Sandeep Kumar Mogha**, Vikas Jangid and Muskan Ara, "Reducing Operational Costs with Cost-Sensitive XG-Boost-Based Failure Prediction" 13th *International Conference on Soft Computing for Problem Solving,* **Accepted 21.01.25, Scopus, Springer**

3. **Sandeep Kumar Mogha**, Muskan Ara and Vikas Jangid, "AI-Driven Pneumonia Diagnosis: Harnessing Custom CNNs for Chest X-ray analysis" 13th *International Conference on Soft Computing for Problem Solving,* **Accepted 21.01.25, Scopus, Springer**

4. **Sandeep Kumar Mogha** and Aman Kumar Singh, (2024), "Enhanced Weather Forecasting Using Random Forest, LSTM, Gradient Boosting and Ensemble Learning (RF+GB)", 13th *International Conference on Soft Computing for Problem Solving,* **Accepted 21.01.25, Scopus, Springer**

5. Riya, **Sandeep Kumar Mogha** and Vatsal, (2024), "Smart Farming Solutions: Deep Learning Driven Multi-Classification of Rice Crop Diseases" International Conference on Futuristic Technologies in Control Systems and Renewable Energy, (ICFCR 2024), Held on Sep 25-26, 2024 at MES College of Engineering, Kuttippuram, India. **IEEE Accepted**

6. Akshay Kumar, Navneet Kaur and **Sandeep Kumar Mogha**, (2024), "Optimizing Plant Growth Predictions: Machine Learning Ensemble Modeling with Hyperparameter Tuning', *International Conference on Hybrid Intelligence: Theories and Applications,* **Accepted 14.09.24, Scopus, Springer**

7. Suryatej S. Kumar and **Sandeep Kuamr Mogha**, (2024), "Material management in automobile industry: Era 4.0", *International Conference on Sustainable Goals in Materials, Energy, and Environment*, held at Mangalam College of Engineering, Kottayam, Kerala, India during 02 – 03rd, May 2024, Volume 529 (2024), 01049. IEEE **Published**

8. Rishav Chandel, **Sandeep Kumar Mogha**, Shobhit, Prashant Singh and Purvansh Dongre "Innovative Guava Leaf Spot Acuteness Assessment with YOLOv5 and Attention Model", DOI: 10.1109/IC2PCT60090.2024.10486664, *5th International Conference on Computing, Power, and Communication Technologies*, IC2PCT 2024, held at Greater Noida, Pages 912 - 917 Feb 9-10, 2024, IEEE **Published**

9. Umesh Mangal, **Sandeep Kuamr Mogha** and Sumit Malik (2024) ""Data-Driven Decision Making: Maximizing Insights Through Business Intelligence, Artificial Intelligence and Big Data Analytics," *2024 International Conference on Advances in Computing Research on Science Engineering and Technology (ACROSET)*, Indore, India, Sep, 27-28, 2024, pp. 1-7, doi: 10.1109/ACROSET62108.2024.10743399.

Papers Presented in Conference:

1. **Sandeep Kumar Mogha** and Alok Kumar, (2018), "Comparative performance of academic departments through DEA", National Conference on "Advances in Operations Research and Mathematical Sciences (AORMS-2018), held in Feb 24-25, 2018, Department of Mathematics, Vardhaman College, Bijnor.

2. **Sandeep Kumar Mogha**, Alok Kumar and Pooja Sharma, (**2016**), "Efficiency and Sensitivity Analysis in Healthcare: Case of India", Recent Advances in Mathematics and its Computational Aspects", (NSRAMCA -2016), held in Nov. 12-13, 2016, Shaheed Mangal Pandey Govt. Girls P.G. College Madhavpuram, Meerut.

3. **Sandeep Kumar Mogha**, (2016), "Growth Trend in Public Sector Hospitals of Uttarakhand (India)", Presented in Inter*national Conference on Recent Advances in Optimization Theory and Applications 2016* (RAOTA-2016), held on January 30-31, 2016, at Delhi University, New Delhi.

4. **Sandeep Kumar Mogha,** (2015), **"**Efficiency Measurement of Public Sector Hospitals of Uttarakhand" Presented in *National Conference on Mathematical and Statistical Techniques and Their Applications to Science and Engineering* held on November 20-21, 2015, at DIT University Dehradun.

5. **Sandeep Kumar Mogha** and Shiv Prasad Yadav, (2012), "Relative Efficiency of Private Hospitals in India: An Application of DEA" Presented in *National Conference on Modeling, Computational Fluid Dynamics and Operations Research*, held on Feb. 4-5, 2012, at BITS Pilani, Rajasthan.

6. **Sandeep Kumar Mogha** and Shiv Prasad Yadav, (2012), "DEA Based Performance Assessment of Government Hospitals in Uttarakhand (India)" Presented in *International Conference on Optimization Modelling and Applications* held from Nov. 29, 2012 to Dec. 1, 2012 at Delhi University.

Personal Details:

Village	:	Shobhapur
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District	:	Baghpat
Pin	:	250606
Date of Birth	:	July 07, 1983
Marital Status	:	Married
Gender	:	Male
Father's Name	:	Sh. Bhagmal Singh
Category	:	General
Nationality	:	Indian
Language Known	:	Hindi, English
Hobbies	:	Cricket and Badminton

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(*S. K. Mogha*)