

Dr. Surjan Singh
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 Chairperson Career Development Cell
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1. Personal Detail:

Date of Birth: 12 August 1975.

Marital Status: Married

Hobbies: Playing Chess, reading books, traveling, plantation etc.

2. Educational Qualification:

Name of Degree	University	Subject	Year
Ph.D.	Banaras Hindu University Varanasi , (Registration No 432224, 31/3/2012, submission 21/4/15, Awarded 20/11/2015) Guide Prof. K.N. Rai, IIT BHU	Applied Mathematics “Mathematical Modelling and Simulation of Heat Transfer in Fin”	2015
M.Sc. (CS)	M.D.U. Rohtak	Computer Science subjects	2012
APGDCA	M.D.U. Rohtak	Computer Science subjects	2007
M. Phil.	Vikram University Ujjain (M.P.) Reg.25/06/2004, sub 30/06/2005 Award 08/08/2005	Mathematics “Study of Some Approximation Problems of Functions ”	2005
B. Lib. & Info. Sc.	Vikram University Ujjain (M.P.)	Library Sci. Subjects	2004
M. Sc.(AM)	Govt. Engg. College, V.U. Ujjain	Applied Mathematics(AM) “Approximation of Functions by Means of Fourier Series”	1997
B.Sc.	Govt. Madhav Sc. College V.U. Ujjain	P., C., M., Foundation course (Hindi, English)	1995

Teachers Eligibility Test (Sr. Secondary level) by VIYAPAM (MP) 2005, Roll No 46100697

3 Teaching Experience: (17 years)

- 1) Current Status:** Professor Regular, HOD Department of Mathematics from 1/03/2025, and Registrar (Officiating) from 22/03/2025, Eternal University, Baru Sahib Himachal Pradesh, grade pay 37400-67000+ 10,000AGP + other allowances.
- 2) Associate Professor, Eternal University, Baru Sahib Himachal Pradesh, grade pay 37400-67000+ AGP 9000/. (from 13/08/2020 to 28/02/2025)
- 3) Sr. Assistant Professor in Eternal University, Baru Sahib Himachal Pradesh, from 7th August 2019 to 12/08/2020, grade pay 15600-8000-37000.
- 4) Assistant Professor in Eternal University, Baru Sahib Himachal Pradesh, from 14th September 2015 to 7/08/2019, grade pay 15600-6000-37000.
- 5) Six years experience of teaching in Gurgaon Institute of Technology and Management Gurgaon (G.I.T.M.) Haryana, from 17th July 2006 to April 30, 2012. Grade Pay 12000-420- 18300.

6) One year experience in Guru gram Institute of Aeronautical Engineering and Technology Gurgaon (Haryana), from 16th September 2005 to 10th July 2006.

4. Tata Consultancy Services:

Subject Matter Expert (SME) of Mathematics Created and reviewed questions for Govt. Job examinations, Completed many projects successfully since 2016 till date.

5. Administrative Experience:

- 1) Registrar (officiating 22/03/2025 onward)
- 2) Coordinator Information Management System (IMS –Portal) Himachal Pradesh Private Educational Institutions Regulatory Commission (HP PERC) June 2025 onward.
- 3) Chairperson Career Development Cell (9/4/2024 onward)
- 4) Coordinator, UGC UTSAH (Undertaking Transformative Strategies and actions in Higher Education) Portal, Eternal University Baru Sahib HP, from June 13, 2023.
- 5) Deputy Registrar, Eternal University, Baru Sahib, from 13/08/2020 to 21/03/2025.
- 6) Assistant Dean Academic Affairs, Eternal University, Baru Sahib, from 24/10/2020 to 10/10/2023.
- 7) Secretary Department of Mathematics EU Baru Sahib HP, 2016 to 09/03/2025.
- 8) Chairman, Stock Verification Committee, Eternal university Baru Sahib Aug 27, 2020 to 11/02/2026.
- 9) Deputy Controller of Examination, in Noida International University, 15 June 2015- Sep.13,2015
- 10) Nodal Centre - Chief Coordinator Examination at GITM Gurgaon, MDU Rohtak Dec 10,2011 Jan 31,2012. Distribution of question papers and collecting Answer Sheets, 8 engineering colleges Covered near to GITM.
- 11) Chief Warden February, GITM Gurgaon, MDU Rohtak Jan 2011 to July 2011.
- 12) Head, Department of Mathematics, GITM Gurgaon, from Feb 24, 2011 to April 30, 2012.

6. Reviewer of Journals

- 1) Computational and Applied Mathematics (Elsevier)
- 2) International Journal of Thermal Science (Elsevier)
- 3) Heliyan (Cell Press)
- 4) Pramana (Springer)
- 5) Journal of Heat Transfer (Elsevier)
- 6) ASME USA
- 7) Journal of Advances in Mathematics and Computer Science
- 8) The European Physical Journal Special Topics Springer

7. Induction/ Orientation/ Refresher Programme Attended

- 1) NEP 2020 Orientation & Sensitization Programme, under Malviya Mission Teacher Training Programme , Organized by UGC-MMTTC, Sri Guru Tegh Bahadur Khalsa College, University of Delhi 2nd – 12th July 2024.
- 2) Completed 15 days refresher Course in “Advance Research Methodology”, from 22 Sept. - 6 Oct. 2023, organized by Teaching Learning Centre, Ramanujan College University of Delhi.
- 3) Completed 14 days refresher Course in Mathematical Sciences, Foundation Course in Vedic Mathematics, from 1 - 14 September 2023, organized by Teaching Learning Centre, Ramanujan College University of Delhi.
- 4) Completed one month (from 20 June – 19 July, 2022) Induction/Orientation Programme with grade A for faculty in university, organized by Teaching Learning Centre, Ramanujan College University of Delhi.

8. Organized Training Programme/ Workshop/Seminar/Lectures/MMTTC

- 1) Coordinator & Organized “NEP Orientation & Sensitization Programme” In Collaboration with MMTTC HPU Shimla and Eternal University, Baru Sahib, Sirmour (H.P.) from

30/01/2026 to 8/02/2026.

- 2) Lecture on “Mathematics and Shapes” delivered at Eternal University Baru Sahib, National Mathematics Day December 22, 2025. Duration 80 minutes.
- 3) Organized first, One Day- LaTeX Training Workshop , at Eternal University Baru Sahib HP on 13th September 2025, Contributed as resource person, 9:15AM to 5: 15 PM, 50 participants attended the workshop, collected amount donated to the Punjab flood relief fund.
- 4) Lecture on “Contribution of Mathematicians” delivered at Eternal University Baru Sahib, National Mathematics Day December 21, 2024. Duration 80 minutes.
- 5) Lecture on “Great Mathematicians” delivered at Eternal University Baru Sahib , National Mathematics Day December 22, 2023. Duration 75 minutes
- 6) Lecture on “Vedic Mathematics” delivered at Eternal University Baru Sahib , National Mathematics Day December 22, 2022. Duration 90 minutes
- 7) Lecture on “Genius Ramanujan” delivered at Eternal University Baru Sahib , National Mathematics Day December 22, 2021. Duration 75 minutes.
- 8) Organize workshop cum training program on LATEX at Eternal Univ. Baru Sahib Sep 18-23, 2022.
- 9) Lecture on Vedic Mathematics online, Govt. Polytechnic College, Nawada on August 24, 2020, Duration 75min
- 10) Lecture delivered on Geneous Srinivas Ramanujan on National Mathematics day Dec 22, 2016, at Govt Shamsar Sr. Sec. School boys Nahan HP, Duration 80 minutes.
- 11) Teacher training program 2016-17, Training Provided to Punjab State Teachers at RICM Chandigarh on 8-9 February 2016, 8 lectures. Title of the lecture: Mathematics and Vedic Mathematics.
- 12) Training Provided to Punjab School Education Board (SCERT) Teachers at RICM Chandigarh on 5th May 2016, 3 lectures, Title of the lecture: Vedic Mathematics, Internet and Teaching of Mathematics.
- 13) Conducted “Hand on Training Programme on C and MATLAB” at DST-CIMS, BHU, from 27.01.2015 to 02.02.2015.
- 14) Coordinator: National seminar on Latest Mathematical Tools & Their Application in Engineering and Technology, Organized by Dept. of Applied Science and Humanities GITM Gurgaon, March 12-13, 2010.

9. Examination responsibility: Maharshi Dayanand University (MDU) Rohtak/ EU Baru Sahib

- 1) Exam Centre Superintendent at Amity Business School Manesar (Gurgaon) appointed by Maharshi MDU Rohtak, in May 2007.
- 2) Exam Centre Deputy Superintendent at Institute of Technology and Management (I.T.M. Gurgaon) appointed by MDU Rohtak, in Jan. 2008.
- 3) Exam Centre Deputy Superintendent at world Institute of Technology (W.I.T sohna. Gurgaon) appointed by MDU Rohtak, in May 2008.
- 4) Exam Centre Superintendent at Apeejay College of Engineering Sohna Gurgaon appointed by MDU Rohtak, in Dec. 2009.
- 5) Exam Centre Superintendent at Global Institute of Technology and Management Farrukhnagar Gurgaon appointed by MDU Rohtak, in May-June 2009.
- 6) Exam Centre Superintendent at Dronacharya College of Engineering Farrukhnagar Gurgaon appointed by MDU Rohtak, January 2010.
- 7) Superintendent in Chief Examination in GITM Bilaspur, MDU Rohtak in May-June 2010.
- 8) Exam Centre Dy. Superintendent at Global Institute of Technology and Management Farrukhnagar Gurgaon appointed by MDU Rohtak, in Jan 2011.
- 9) Centre Superintendent at Akal College of Nursing Eternal University Baru Sahib HP, 10-20 July 2017.
- 10) Centre Superintendent at Akal College of Nursing Baru Sahib HP, 2-10/07/2018.
- 11) Centre Supdt. at Akal College of Commerce, Economics and Management EU 3-14/06/2019
- 12) Centre Supdt. at Akal College of Commerce, Economics and Management EU 12-21/12/2020
- 13) Centre Supdt. Eternal University Baru Sahib supplementary exam April 2022.

- 14) Centre Supdt. Eternal University main Exam June 13-23. 2022.
- 15) Centre Supdt. Eternal University Main Exam July 06-16, 2022.
- 16) Centre Supdt. Eternal University Main Exam Dec 14-24, 2022.
- 17) Center Supdt. Eternal University Main Exam June 19-30, 2023.
- 18) Chairman Flying Squad Eternal University Baru Sahib HP (23/06/2025- 04/07/2025).

10. Books

- 1) Anoop Kumar Vashisth, Surjan Singh, Ashish Singhal, Phool Singh, Naresh Sharma, Textbook of Engineering Mathematics, Abhinav Prakashan New Delhi, 2012, ISBN 9789380165363.
- 2) Surjan Singh, Solution to Engineering Mathematics, Abhinav Prakashan New Delhi. 2010, ISBN 9789380165370 (Author).

11. Book Chapter

- 1) Chaudhary K, Singh S (2025) The Indian Banking Sector in the Era of Digitalization: Opportunities and Challenges. Contemporary Trends in Commerce Management & Economics. A2Z Publications. Department of Research & Publications A2Z Learning Hub LLP, pp 60-68 [ISBN: 978-81-984646-2-0].
- 2) Chaudhary K, Kaur M, Singh S (2025) International Perspectives on Multidisciplinary Research: Innovations, Challenges, And Future Directions On “Artificial Intelligence And Big-5 Personality Traits In The Era Of Digitalization”, PP. 12-17 [ISBN: 978-81-989633-9-0 ISBN-10: 81-989633-9-1 DIP: 18.10.8198963391] DOI: 10.25215/8198963391.04. Infinity Publication Pvt. Ltd.
- 3) Sharma G, Chaudhary, K, Singh S (2025) International Perspectives On Multidisciplinary Research: Innovations, Challenges, And Future Directions On “Artificial Intelligence: Ethical And Government Regulatory System In The Indian Banking Sector”, pp 121-125 [ISBN: 978-81-989633-9-0 ISBN-10: 81-989633-9-1 DIP: 18.10.8198963391]. DOI: 10.25215/8198963391.18. Infinity Publication Pvt. Ltd.
- 4) Kaur M, Chaudhary K, Singh S (2025) International Perspectives On Multidisciplinary Research: Innovations, Challenges, And Future Directions On “AI Chatbots’ Contribution To Increasing Financial Literacy And Personal Financial Decision-Making”. In August 2025, pp 136-142 [ISBN: 978-81-989633-9-0 ISBN-10: 81-989633-9-1 DIP: 18.10.8198963391] Infinity Publication Pvt. Ltd. Book DOI: 10.25215/8198963391. Chapter DOI: 10.25215/8198963391.20.
- 5) Chaudhary K, Kaur M, Singh S (2025) Emerging Paradigms in Knowledge Integration and Academic Research on “The Double Blow: Trump's Tariffs And The Reshaping Of The Indian Textile Industry And National Economy (2020-2025)”. In September 2025, pp. 126-133. Red Unicorn Publishing Pvt. Ltd. [ISBN-10: 93-5809-194-0] DIP: 18.10.9358091940. Book DOI: 10.25215/9358091940. Chapter DOI: 10.25215/9358091940.17.
- 6) Kaur M, Chaudhary K, Singh S (2025) Emerging Paradigms in Knowledge Integration and Academic Research on “The Repercussions Of Global Trade Wars On India’s Employment Sector”. In September 2025, pp. 149-157. Red Unicorn Publishing Pvt. Ltd. ISBN: 978-93-5809-194-6 [ISBN-10: 93-5809-194-0 DIP: 18.10.9358091940]. Book DOI: 10.25215/9358091940.19.
- 7) Sharma G, Chaudhary K, Singh S (2025) Emerging Paradigms in Knowledge Integration and Academic Research on “Trade And Tariff Wars In Education Sector In Indian Context”. In September 2025, pp. 176-179. Red Unicorn Publishing Pvt. Ltd. [ISBN: 978-93-5809-194-6 ISBN-10: 93-5809-194-0] DIP: 18.10.9358091940. Book DOI: 10.25215/9358091940. Chapter DOI: 10.25215/9358091940.22.
- 8) Kajal Chaudhary, Surjan Singh “Impact of Covid-19 on Consumer Attitudes and Behaviours towards Mobility of Vehicles”, edited book-Understanding Interdisciplinary Organizational Flows, ISBN 9879391377-01-4, Publisher- Indu Book Services Pvt. Ltd. New Delhi, 10 June 2022. pp-53-60. Editors Dr. yashpal Azad, Dr. Ambika Sharma, Dr. Tanu Sharma.
- 9) Kajal Chaudhary, Surjan Singh A book chapter published in the edited book “Entrepreneurship in India: Emerging Issues and Challenges” on “OPPORTUNITIES AND CHALLENGES FOR ENTREPRENEURS IN THE ERA OF DIGITALIZATION” , in

April 2023, PP. 25-33. ISBN No. 978-81-963342-8-4 published by AN Publications Tamilnadu, India.

- 10) K.N. Rai and Surjan Singh, "Extended Surfaces (Fins)" PRAJNA (Journal of the Banaras Hindu University), Special Issue on "Science and Technology" ISSN 0554-9884, Vol. 60, No. 02, pp. 78-84, 2015. **UGC Journal Number 40698.**

12. Papers presented in Conference/Attended

- 1) Paper presented in National Conference, "Wavelet Collocation Solution for Convective Radiative Continuously Moving Fin with Temperature-Dependent Thermal Conductivity", Mathematical Modelling and Application in Science and Engineering (MMASE-20013) held at National Institute of Technology Patna (Bihar), March 9-10, 2013.
- 2) Attended National Conference on "Advances in Mechanical Engineering" February 21-22, 2014.
- 3) Application of Mathematical Technology in solution in fin problem, 2nd International conference, Innovative Research in Engineering, Science & Technology (IREST-2017), held at Eternal University, Baru Sahib, Himachal Pradesh, India, from 7 to 8 April 2017.

13. Published Research Papers in international Journal:

- 1) Chaudhary K, Raj D, Dubey P K, Singh S, and Neha (2025) Investigating The Influence of Financial Literacy And Financial Planning On Investment Decision- making: A Case Study of Educationists- Evidence From Education Sector Professionals. *Liberte Journal (Scopus Indexed)* 13 (12): 292-306 [ISSN:0024-2020] DOI:20.14118.LRJ.2025.V13I12.485627 (IF-5.3)
- 2) Chaudhary K, Raj D, Dubey P K and Singh S (2025) Emotional, Cognitive, and Physiological Determinants of Investment Decision-Making: A Neuro finance-Based Study in the Digital Market Environment. *International Journal of Research and Analytical Reviews (Peer Reviewed)*, 12(4): 1-10. [E-ISSN 2348-1269, ISSN 2349-5138]. https://ijrar.org/viewfull.php?p_id=IJRAR25D2892. (IF-7.17)
- 3) Harpreet Kaur, Surjan Singh(Corr. Au), Subrahamanyam Upadhyay, Kanwalpreet Kaur,"Modeling and Simulation of Bioheat Transfer in Slab, Cylinder and Spherical Skin Tissue" , Heat transfer, Wiley, **ESCI, Scopus, Web of Science** April 2025; PP 1–13, ISSN: 2688-4534, **IF 2.6 (Clarivate)** , Doi <https://doi.org/10.1002/hjt.23397>.
- 4) Priti Sharma, Surjan Singh (Corr. Au), and Subrahamanyam Upadhyay, "Numerical treatment of heat transfer in a moving porous fin depending on different geometries of the nanofluid", *Pramana – J. Phys.* 4 june 2025, 99:73 ISSN 0973-7111 © Indian Academy of Sciences, **Springer, SCIE, SCOPUS, IF 2.1**, <https://doi.org/10.1007/s12043-025-02919-2>.
- 5) Kanwalpreet Kaur, Surjan Singh (Corr. Au) "Thermal Distribution in Fins of Different Geometries With Temperature and Wavelength Dependent Properties", Heat transfer Wiley, **ESCI, Scopus, Web of Science** may 2025; pp 2205-2217, vol 54(3), ISSN:2688-4542(o) **IF 2.6 (Clarivate)** Doi <https://doi.org/10.1002/hjt.23280>.
- 6) Surjan Singh, Parvinder Kaur , Dinesh Kumar, K.N. Rai, "Wavelet collocation solution for fully wet semi-spherical porous fin" *Partial Differential Equations in Applied Mathematics ((Elsevier), SCOPUS, SCImago, ISSN2666-8181, 13 (2025), pp.1-7, IF 1.295 (SNIP),* <https://doi.org/10.1016/j.padiff.2024.101012>.
- 7) Surjan Singh, Priti Sharma, "Study of porous fin with temperature-dependent thermal conductivity and internal heat generation", *Int. J. of Engineering Systems Modelling And Simulation*, Inder Science Publication, ISSN online 1755-9766, print 1755-9758, Vo.1 6, No1, PP13-22 2025, **Web of Science, ESCI, Scopus IF 0.9**. <https://doi.org/10.1504/IJESMS.2025.143047>.
- 8) Neha Sharma, Surjan Singh, and Dinesh Kumar, "Three Phase Lag Bioheat Transfer Model for Evaluating Heat Transfer by Hyperthermia Treatment in Tissue," *IAENG International Journal of Applied Mathematics*, vol. 54, no. 11, ISSN 1816-093X pp2307-2315, Nov.2024. **Scopus. IF 0.6**
- 9) Priti Sharma, Surjan Singh(Corres.Au.), S. Upadhyay, Temperature distribution in stretching/shrinking fin with variable parameters, *ESCI, Scopus, Web of Science, Heat transfer, Wiley*, PP 1-18, 14 June 2024, ISSN:2688-4542(o), **IF 2.8** <https://doi.org/10.1002/hjt.23103> .
- 10) Surjan Singh, Priti Sharma, S. Upadhyay, "Study of heat transfer in porous fin with temperature dependent properties", *J. of Computational Analysis and Applications*, EUDOXUS PRESS , USA, **SCOPUS**, Vol33, no 1, ISSN 1521-1398 print, 1572-9206 online ,2024, PP-198-213 IF 0.27.

- 11) Subrahmanyam Upadhyay, Priti Sharma, Surjan Singh, K.N. Rai, A new iterative Broyden Legendre Wavelet Galerkin FEM applied to study heat transfer in two-dimensional elliptic and plate fins, *The European Physical Journal Plus*, Springer SCI, 138(12) PP 1154-1173, ISSN 2190-5444, Dec 2023, <https://doi.org/10.1140/epjp/s13360-023-04788-3>, IF 2.8.
- 12) Mukesh Kumar, Harpreet kaur, Subrahmanyam Upadhyay, Surjan Singh, K.N. Rai, “Mathematical modelling and simulation of three phase lag bio-heat transfer model during cancer treatment” *Int. Journal of Thermal Sciences* SCI (Elsevier) ISSN 1290-0729, 184 (2023) 108 002, UGC Journal Number 7693, IF 5.0 <https://doi.org/10.1016/j.ijthermalsci.2022.108002>.
- 13) Parvinder Kaur and Surjan Singh, “Convective radiative moving fin with temperature-dependent thermal conductivity, internal heat generation and heat transfer coefficient”, *Pramana–J. Phys.* Springer, Indian Academy of Sciences, **Springer, SCIE, SCOPUS**, , Vol. 96, ISSN 0973-7111 Indian Academy of Sciences, Nov. 2022 PP-216., **IF 2.1**, <https://doi.org/10.1007/s12043-022-02459-z>,
- 14) Parvinder Kaur and Surjan Singh, “Convective-radiative moving porous fin with temperature-dependent thermal conductivity, heat transfer coefficient and wavelength-dependent surface emissivity”, *Multidiscipline Modeling in materials and structures*, SCIE SCOPUS Emerald Publication Jan 2, 2023, ISSN 1573-6105. Vol. 19 No. 2, pp. 176-196., **IF 2.0**, <https://doi.org/10.1108/MMMS-07-2022-0120>
- 15) Neha Sharma, Surjan Singh, Dinesh Kumar “Analytical Solution of Non-Linear DPL Bioheat Transfer Model for Temperature Dependent Metabolic Heat Source During Thermal Therapy” *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075 (Online), Volume-11 Issue-8, 30 July 2022, PP 78-86. DOI: 10.35940/ijitee.G9188.0811922
- 16) Neha Sharma, Surjan Singh, Dinesh Kumar, “Numerical solution of nonlinear dual-phase-lag model for analyzing heat transfer in tissue during thermal therapy”, *Computational Mathematical Methods*, Wiley SCOPUS Vol 3(6) ISSN 2577-7408, pp1-15, 24 July 2021, IF 1.2 <https://doi.org/10.1002/cmm4.1183>
- 17) Surjan Singh, Dinesh Kumar, K. N. Rai, “Analytical Solution of Fourier and non-Fourier heat transfer in longitudinal fin with internal heat generation and periodic boundary condition” *Int. J. of Thermal Sciences* SCI (Elsevier), ISSN 1290-0729, Vol. 125, pp166-175, Jan. 2018, Sr. No 627, UGC Journal Number 7693. IF 5.0 <https://doi.org/10.1016/j.ijthermalsci.2017.11.029>,
- 18) Surjan Singh, Dinesh Kumar and K. N. Rai, “Convective-Radiative Fin with Temperature Dependent Thermal Conductivity, Heat Transfer Coefficient and Wavelength Dependent Surface Emissivity”, *Propulsion and power Research* Scopus, SCI (Elsevier), ISSN: 2212-540 X, 3(4): pp.207–221, Dec. 2014., Sr. No 1557, UGC Journal Number 48294. IF 6.3 <http://dx.doi.org/10.1016/j.jprr.2014.11.003>,
- 19) Dinesh Kumar, Surjan Singh, Neha Sharma, K. N. Rai, “ Verified non-linear DPL model with experimental data for analysing heat transfer in tissue during thermal therapy” *Int. J. of Thermal Sciences* SCI (Elsevier) ISSN 1290-0729, Vol. 133, , July 2018, Sr. No 627, UGC Journal Number 7693., IF 5.0 doi <https://doi.org/10.1016/j.ijthermalsci.2018.07.031>,
- 20) Surjan Singh, Dinesh Kumar and K N Rai, “Wavelet Collocation Solution of Non–Linear Fin Problem with Temperature Dependent Thermal Conductivity and Heat Transfer Coefficient”. *Int. J. of Non- Linear Analysis and Application*, ISSN No. 2008-6822, Vol. 6 No.1, pp. 105-118, 2015, Sr. No 3060, SCImago, **SCI**, American Mathematical Society , IF 0.64 UGC Journal Number 47882. Doi 10.22075/IJNAA.2015.222,
- 21) Dinesh Kumar, S. Upadhyay, Surjan Singh and K. N. Rai, “Legendre Wavelet Collocation Solution for System of Linear and Nonlinear Delay Differential Equations”, *International Journal of Applied and Computational Mathematics* (Springer), ISSN 2349-5103, Vol. 5, pp. 1-16, 2017. SCImago , SCOPUS, UGC Journal Number 48876. pp320-329doi:10.1007/s40819-017-0356-y
- 22) Dinesh Kumar, Surjan Singh and K. N. Rai, “Analysis of classical Fourier, SPL and DPL heat transfer model in biological tissues in presence of metabolic and external heat source” *Heat and Mass Transfer* SCIE (Springer), ISSN 0947-7411, Vol.52, Issue 6, pp.1089–1107, DOI 10.1007-015-1617-0., June 2016, Impact factor 2.2, Sr. No. 168, UGC Journal Number 17149.
- 23) Surjan Singh, P.K. Sharma, K. N. Rai and N. S. Tomer, “Unsteady Free Convection Oscillatory Couette Flow Through A Variable Porous Medium With Concentration Profile”, *Int. J. of Non-Linear Analysis and Application*, ISSN: 2008-6822, Vol. 8(1), pp.177-186, 2017, **Scopus**, Sr. No 3060, **SCI**, American Mathematical Society UGC Journal Number 47882, <http://dx.doi.org/10.22075/ijnnaa.2017.672.1107>

- 24) Surjan Singh, Subrahmanyam Upadhyay, K. N. Rai, "Comparative Analysis of Power-Law type Fin problem Using Wavelet Collocation and Galerkin Methods", *Int. J. of Applied Mathematical Research*, ISSN: 2227-4324, 3 (4), pp. 534-546, 2014, Impact Factor- 0.7578. Indexed by Google Scholar. DOI: 10.14419/ijamr.v3i4.3137 .
- 25) Divesh Kumar, Amit Sharma and Surjan Singh, "Entity Based Distinctive Secure Storage and Control Enhancement in Cloud", *I.J. Information Engineering and Electronic Business*, **SCOPUS** ISSN: 2074-9023, Vol. 1, pp. 10-19, January 2017, DOI: 10.5815/ijieeb.2017.01.02, IF 0.642.
- 26) Subrahmanyam Upadhyay, Surjan Singh, Sarita Yadav, K.N. Rai, "Numerical solution of two point boundary value problems by walelet Galerking method", *Int. J. of Applied Mathematical Research*, ISSN: 2227-4324, Vol. 4, No.4, pp. 496-512, 2015, , Indexed by Google Scholar. doi: 10.14419/ijamr.v4i4.4748, IF- 0.7578
- 27) Surjan Singh, Dinesh Kumar and K. N. Rai, "Wavelet Collocation Solution for Convective Radiative Continuously Moving Fin with Temperature-Dependent Thermal Conductivity" *International Journal of Engineering and advanced Technology*, ISSN 2249 – 8958, Vol.-2, Issue-4, PP.10-16, April 2013, . Scopus (2018-2019) UGC Journal number 45431. IF 0.310
- 28) Tikam Singh, Bijendra Singh and Surjan Singh, "Degree of approximation to a class of continuous functions with Banach space", *Varahmihir Journal of Mathematical Sciences*, ISSN-0972-7329, 5(1), pp. 289-296, June 2005, Sr. No. 229, UGC Journal Number 46464
- 29) Surjan Singh, "Degree of approximation to a class of continuous functions with Conjugate series", *Varahmihir Journal of Mathematical Sciences*, Published by Sandipani Academy ISSN-0972-7329, 5(2), pp.379-386, Dec. 2005., Sr. No. 229, UGC Journal Number 46464.
- 30) Milandeep Kour, Kajal Chaudhary, Surjan Singh, Baljinder Kaur, "A Study On Impact Of GST After Its Implementation", *International Journal of Innovative studies Sociology and Humanities*, Vol. 1, Issue: 2, November 2016, pp. 17-24. ISSN No. 2456-4931 (Online). Sr. No.3356, UGC Journal Number 62928. IF 0.11.
- 31) Supreet Kaur Jaggi , Kajal Chaudhary (Corresponding Author) , Surjan Singh , Milandeep Kour, "Swachh Bharat: Clean India: Green India", *International Journal of Innovative studies Sociology and Humanities*, Vol. 1, Issue: 2, November 2016, pp. 17-24. ISSN No. 2456-4931 (Online). Sr. No.3356, UGC Journal Number 62928. IF 0.11.
- 32) Kajal Chaudhary, Surjan Singh, Nabin Subedi, Komalpreet Kaur, Milandeep Kour, "Demonetization: Experiment Mean of Financial Inclusion" , *International Journal of Innovative studies Sociology and Humanities*, Vol. 2, Issue: 2, February 2017, pp. 17-24. ISSN No. 2456-4931 (Online). Sr. No.3356, UGC Journal Number 62928. IF 0.11.
- 33) Komalpreet Kaur, Kajal Chaudhary (Corresponding Author), Surjan Singh, Tarun Mahato, "Contribution Of Banks In Make In India Campaign", *International Journal of Innovative studies Sociology and Humanities*, Vol. 2, Issue: 2, February 2017, PP. 17-24. ISSN No. 2456-4931 (Online). Sr. No.3356, UGC Journal Number 62928. IF 0.11.
- 34) Kajal Chaudhary, Surjan Singh, Pawan Dubey, Nabin Subedi, "A Comparative Study of Indian Gold Schemes with Special Reference to GDS and GMS in Indian Context", *International Journal of Innovative studies Sociology and Humanities*, Vol. 2, Issue: 2, February 2017, pp. 35-49. ISSN No. 2456-4931(Online). UGC Journal Number 62928. IF 0.11.
- 35) Baljinder Kaur, Kajal Chaudhary, Surjan Singh, Milandeep Kaur, "A Study on National Institution for Transforming India (NITI AAYOG)", *International Journal of Innovative studies Sociology and Humanities*, Vol. 2, Issue: 3, March 2017, pp. 1-8. ISSN No. 2456-4931(Online). Sr. No.3356, UGC Journal Number 62928.
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- 42) Sakshi Bedi, Kajal Chaudhary (Corresponding Author), Surjan Singh, Amandeep Kaur, "A Study on Investment Inclination of Women Investors towards Different Avenues of Collateral in Rudrapur purview, Uttarakhand", International Journal of Innovative Studies Sociology and Humanities, Vol.3, Issue:8, July 2018, PP. 16-24. ISSN No. 2456-4931 (Online). UGC Journal Number 62928. IF 0.11.
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- 44) Komal Preet Kour, Dr. Kajal Chaudhary (Corresponding Author), Dr. Surjan Singh "Innovation in Marketing Strategies to Raise Consumer and Producer Relationship", International Journal of Innovative Studies Sociology and Humanities, Vol.3, Issue: 8, July 2018, PP. 67-79. ISSN No. 2456-4931 (Online). UGC J. No., 62928. IF 0.11.
- 45) Anjali, Kajal Chaudhary (Corresponding author), Surjan Singh, Sukhdeep Kaur, R. Ravi "Analysis of Consumer Perception on Credit Appraisal Process: An Empirical Study on HDFC Bank, Solan (H.P.)", International Journal of Innovative Studies Sociology and Humanities, Vol.3, Issue: 9, September 2018, PP. 56-64. ISSN No. 2456-4931 (Online). UGC Journal Number 62928. IF 0.11.
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- 50) Amandeep Kaur, Kajal Chaudhary (Corresponding Author), Surjan Singh, Sakshi Bedi "Impact of Job Satisfaction on Public and Private school Academician's performance at Higher Secondary level in Amritsar, Punjab" International Journal of Scientific Research in Computer Science Applications and Management Studies, Vol.7, Issue: 4, July 2018. E-ISSN No. 2319 – 1953. UGC Journal Number 63611. IF 0.654.
- 51) BABLEEN KAUR, KAJAL CHAUDHARY (Corresponding author), SURJAN SINGH "IMPACT OF CREDIT REFERENCE BUREAU AND CIBIL SCORE IN CREDIT APPRAISAL PROCESS ON NPAs WITH SPECIAL REFERENCE OF JAMMU AND KASHMIR BANK, JAMMU", International Journal of Research in Commerce, IT and Management, Vol. 10, Issue: 04, April 2020, PP. 5-10. ISSN No. 2231-5756 (online). UGC Journal Number.

- 52) Gurmanpreet Kaur, Kajal Chaudhary (Corresponding Author), Surjan Singh “An Empirical Study on Human Capital’s Mechanism in Textile Industry using Regression Model”, Journal of Emerging Technologies and Innovative Research (JETIR), Vol. 7, Issue: Issue 4, April 2020, PP. 905-912. ISSN No. 2349-5162 (online). UGC Journal Number.
- 53) Gurmanpreet Kaur, Kajal Chaudhary (Corresponding Author), Surjan Singh “Performance Appraisal System in Textile Industries”, International Journal of Multidisciplinary Educational Research, Vol. 9, Issue: 3(11), March 2020, PP. 148-151. ISSN No. 2277-7881, Impact Factor: 6.514 (2020) Index Copernicus Value: 5.16. Peer Reviewed and UGC Approved. UGC Journal Number

14. Papers Published in Conference Proceeding

- 1) Surjan Singh, Dinesh Kumar and K N Rai, “Exact and Wavelet Collocation Solution of Fin Problem with Temperature Dependent Internal Heat Generation”, Proceeding of CONV-14 Int. Symp. On Convective Heat and Mass Transfer, ISSN: 961-91393-0-5, No. 173, Turkey, International Centre for Heat and Mass Transfer, pp 281-294, June 8-13, 2014. DOI: [10.1615/ICHMT.2014.IntSympConvHeatMassTransf.200](https://doi.org/10.1615/ICHMT.2014.IntSympConvHeatMassTransf.200),
- 2) Surjan Singh, Dinesh Kumar and K N Rai, “Effect of Geometrical Configuration on Temperature Distribution in Fin”. Paper Presented in international conference and Published in Proceeding Immerging trends in Applied Mathematics held at ITM University Gurgaon, India, ISBN-978-93-81212-769-76-9, pp. 54-61. June 2-4, 2014.
- 3) Dinesh Kumar, Surjan Singh and K. N. Rai, “Steady State Temperature Distribution in Biological Tissue Using Wavelet Collocation Method.” Paper Presented and Published in Proceeding Immerging trends in Applied Mathematics held at ITM University Gurgaon, India, ISBN: -978-93-81212-76-9. PP. 92-99, June 2-4, 2014.
- 4) Parvinder Kaur, Surjan Singh, Study of the Convective-Radiative Moving Porous Fin with Temperature-Dependent Variables, **Advances in Mathematical Modelling, Applied Analysis and Computation**, conference proceedings of ICMMAAC 2022, pub. date 2022/8/4, Book-International workshop of Mathematical Modelling, Applied Analysis and Computation PP 456-474 Publisher Springer Nature Switzerland

15. Workshops/Training programs attended

- 1) Three days Faculty Development Program for Student Induction (FDP-SI) 21-23 Nov. 2019, organized by AICTE New Delhi
- 2) AICTE Sponsored QIP –Short Term Course on “Advance Numerical Schemes for Scientists & Engineers” at Dept. of Mathematical Sciences, IIT BHU, Varanasi during 12-16 August, 2019.
- 3) One day workshop on “Study and Analysis of Mathematical Models of Moving Boundary Problems” at Dept. of Mathematical Sciences, IIT BHU, Varanasi on August 17, 2019.
- 4) 15 Days (25th Aug 2017 to 09 Sep 2017) e-learning EDP (Entrepreneurship Development Program) Conducted by the National Institute For Entrepreneurship and Small Business Development (NIESBUD) Ministry of Skill Development and Entrepreneurship, Govt. of India.
- 5) Faculty Development Programme on Goods and Service Tax April 29, 2017 organised by Eternal University Baru Sahib HP.
- 6) 6th International Nursing Conference on Bridging the Gap between Theory & Practice in Nursing held on 21-22 October, 2016, Akal College of Nursing, Eternal University Baru Sahib H.P.
- 7) 2nd National workshop on SPSS, Held at Eternal University Baru sahib, from Dec. 8-10, 2016.
- 8) National Workshop CUM Training Programme on Computing Techniques and Applications from July 01-07, 2012, held at DST-CIMS BHU Varanasi, India.
- 9) Training Programs on Integral Transforms, Wavelets, Distribution Theory and Applications, from July 12-21, 2012, held at DST-CIMS BHU Varanasi, India.
- 10) National Workshop on Probability and Fractional Calculus form January 25 to February 02, 2013, held at DST-CIMS BHU Varanasi, India.

- 11) A Mini Workshop on Biomathematics, form March 28-30, 2015, held at DST-CIMS BHU Varanasi, India.
- 12) Workshop on Communication Skills in English held at GITM from January 24-28, 2011.
- 13) Workshop on Certified Ethical Hacking Expert (Level I) held at GITM on Sep. 11-12, 2010.
- 14) Workshop on “Latex: A DOCUMENT PREPARATION SYSTEM” held at GITM on Dec. 9, 2010.
- 15) Training Program of Civil Defense and complete the training of Fire Extinguisher (5.7.2004-9.07.2004). Certificate issued by Civil Defense Core Narora (U.P.)
- 16) One day workshop on intellectual Property Rights: Issues and Challenges, organized by Eternal University Baru Sahib HP on March 14, 2017.
- 17) One day workshop on intellectual Property Rights: issues and Challenge Eternal University Baru Sahib HP on 28th March 2019.
- 18) Two days workshop 7th -8th March, 2019, applied aspects of Psychological Principles in Daily life, Eternal University Baru Sahib H.P. speaker Dr. Sohan Singh Chandel.

16. Professional Membership

- 1) Associate member of Aeronautical society of India (A.M.Ae.S.I.) AM 6739,24/04/2006
- 2) Life Member of Mathematical Society of India (L/2010/57, S-10-342(online))
- 3) International Association of Computer Science and information Technology (IACSIT) Membership No 80345244
- 4) International Association of Engineers (IAENG), Membership No 122728.

17. Responsibilities in GITM College

- 1) Examination Incharge GITM Gurgaon.
- 2) Sports Incharge GITM Gurgaon.
- 3) Member of Cultural Activity
- 4) Member of Discipline committee.

18. Responsibility at Eternal University

- 1) Time Table /ERP time table incharge of Akal College of Basic Sciences, Eternal University BS, 2017 onward.
- 2) Course Coordinator Research Methodology 2016 to July 2018.
- 3) M. Sc./Ph.D. Mathematics Class Coordinator
- 4) Coordinator Swach Bharat Abhiyan, street march, Eternal University BS, 2017, 2018.

19. Post Graduate (M.Sc. Mathematics/ MBA/M.Com) Thesis Supervision

Sr. No.	Name of the Student	Title	Year of Completion	Supervisor/ Co-supervisor/member
1.	Sakshi Sharma (CBS-24-013)	Study of Heat Transfer Through Annular Fin	Continue...	Supervisor
2.	Mehak Mehak, (BS23MMA002) M.Sc. Maths	Numerical Analysis Of Heat Transfer Through Fin	Sep.2025 9/9/2025	Supervisor
3.	Jaspal Kaur (BS19MSMA001) M.Sc. Maths	Study of Heat Transfer in Different Type Geometries of Fin	October 2021	Supervisor
4.	Pooja Sharma (BS19MSMA003) M.Sc. Maths	Study of Heat Transfer in Porous Fin	October 20 21	Supervisor
5.	Priti Sharm (BS16MSMA002)	Study Of Fin Through Different Numerical Methods	Aug 2020	Supervisor

	M.Sc. Maths			
6.	Perwinder Kaur (BS16MSMA002) M.Sc. Maths	A Study on Solution of Heat Equation Using Different Method	Aug, 2018	Supervisor
7.	Milandeep Kaur (BS15MCM002) M.Com.	A Study on Sericulture in Context of Jammu and Kashmir India	Sep. 2017	Co-Supervisor
8.	Raju Kaur (BS15MB004) M.B.A.	A Comparative Study of Home loans SBI and HDFC Banks: An Empirical Study of Bathinda Punjab	Sep. 2017	Co-Supervisor
9.	Supreet Kaur (BS15MB005) M.B.A	A Study on Consumer Behaviour and Their Experience While Shopping Mall with Special Reference To Shopprix Mall, Meerut	Sep. 2017	Co-Supervisor

20. Ph.D. Thesis Supervision

Sr. No.	Name of the Student	Title	Year of Completion	Supervisor
1	Parvinder Kaur (BS19PSMA002)	Study of Mathematical Modelling and Simulation of Heat Transfer in Fins	Feb, 2024 (Thesis submitted on 28/08/2023, Final Viva held on 13/02/2024)	Dr. Surjan Singh
2	Priti Sharma (BS20PSMA002)	Study of Mathematical Modelling For Heat Transfer In Fins	August, 2024. (Pre thesis submission 10/07/2024, Viva held on 29/08/2024.)	Dr. Surjan Singh
3.	Neha Sharma (BS18PSMA002)	Study of Mathematical modeling and Simulation of Bio heat transfer in Tissue	Submitted on 14/12/2024 Final viva held on (19/03/2025)	Dr. Surjan Singh
4.	Harpreet Kaur (BS20PSMA001)	Mathematical Study of Heat Transfer in Biological Tissues	Pre submission seminar held on 31/10/2025 Submitted on 4/11/2025, Final Viva Will be held in 2 nd week of March	Dr. Surjan Singh
5.	Kawal Preet Kaur (BS23PSMA001)	Course work Completed (Joined on October 06, 2023)	1 paper Published , 2 presented in Conferences , 2- communicated	Dr. Surjan Singh

Curriculum Development : 1) Ph.D. Curriculum Development in 2018

21. Games: M.P. Govt. Higher Education Department

- 1) Triple Jump: District Ujjain Level, First Place 1995-96.
- 2) Relay Race: 4 X 400m: District Level, First Place 1994-95.
- 3) Cross Country: Govt. Madhav Sc. College Ujjain: First Place 1994-95.
- 4) Race 400m: Govt. Madhav Sc. College Ujjain: Second Place 1994-95.
- 5) Chess Competition: Madhav Sc. College Ujjain: Third Place 1994-95.
- 6) Chess Competition (Open) : Ujjain Nagar Nigam Mela open Second Place 1990.

22. Award: U.P. Govt. awarded as best farmer of district Aligarh Tehsil – Atrauli (U.P.), (23 Dec. 2002).

23. Major Project: Established 400 units of vermi-compost in district Aligarh.

24. Awareness program for farmers: Organize Kishan gosthi in (2001), in Village-Rajmargpur for using biofertilizer, fashalchakra and other activity.

25. Other activities:

- 1) N.C.C. "C" Certificate ,1995.
- 2) Hindi Typing Exam Pass, Madhya Pradesh Mudralekhan Pariksha Prishad Bhopal (17 July 1991)

26. Books donated to Eternal University Library

- 1) Fundamental of Physics by Devid Halliday, Robert Resnick, Jearl Walker, , 5th ed, John wiley& sons date, 28/09/2023
- 2) Prectical Photography Course by A.H Hashmi, Pustak Mahal on 28/09/2023
- 3) Computer information Technology, by Ajay Sharma, Student Aid Publication on 28/09/2023
- 4) Aik thi Ramrati by Gora Pant (Shiwani) Hind packet books. On 28/09/2023

27. Plantation

At my native village, **Rajmargpur, Tehsil Atrauli, District Aligarh, Uttar Pradesh**, I have undertaken plantation activities on different dates as detailed below:

- 1) On **25 July 2023**, I planted four Barahmasi lemon plants, one mulberry (Shahtoot) plant, and one Raat Ki Rani plant.
- 2) On **17 July 2023**, I planted four Arjun plants, twelve guava plants, and four mosambi plants.
- 3) On **12 March 2023**, I planted 100 apple ber (Balasundari variety) plants ordered from Calcutta. These included 25 Balasundari, 25 Kashmiri Red Apple Ber, 25 Miss India, and 25 Thai Green Apple Ber plants.
- 4) In **July 2021**, I planted 100 eucalyptus plants.
- 5) On **28 December 2022**, I planted ten apple plants, two almond plants, and two peach plants.
- 6) In **July 2002**, I planted one Peepal plant, three Neem plants, and twelve Sagwan (Teak) plants.

28. Conference Session Chair

- 1) International Conference on Transforming Lives through Adoption of SDGs: Role of Higher Education Institutions (TLASH 2024) on 30-31st May 2024. Chair a Session of Track 2: Engineering a Sustainable Future: Role of Science and Technology for Achieving SDGs on 30th May 2024 from 2:00PM to 4:00PM. Organized by G.D. Goenka University Gurgaon.
- 2) Conference Session Chaired (4) at Akal University Talbandi Sabo, Punjab, India, Evolution in Pure and Applied Mathematics ICEPAM-2024, 20-22 November 2024,

29. Patient

- 1) Dr. Daya Shankar Singh, Dr. Chirajeev Kumar Yadav, Dr. Anil Kumar Gupta , Dr. Surjan Singh , Dr. Sankirtan Sardar, Dr. Ratnesh Tiwari, Certificate of Registration for a UK Design, Design number: 6415769, Grant date: 22 January 2025, "PLASTIC WASTE COLLECTION CONTAINER"
- 2) Sandeep Kumar, Mr. Suraj Sinha, Dr. Surjan Singh, Anil Kumar Gupta, Mrs. Kokil Bhatia, Dr. Md.Heshamuddin, Mr. Ravi Shankar, Dr. Sandeep Kumar Yadav, Prem Kumar, Application No 202511050 137A, Title: Method for Predicting Research Citation Growth Using Queueing Theory and Machine Learning With a Computer- Implemented System. , Publication date 13/06//2025.

30. ID ORCID / SCOPUS

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Scopus ID: 7406398935

31. References

- (i) Prof. K.N. Rai IIT BHU Varanasi India 9935346251 Email: knrai.apm@itbhu.ac.in
- (ii) Prof. Banshi Lal Rain former Vice Chancellor , Sunrise University Alwar, Glocal University UP, Mob. 9419194584 , Email: bansi.raina@gmail.com
74/4-A, Timber Road Janibora Jammu Pin 180007
- (iii) Prof H.S. Dhaliwal Ex Vice Chancellor Eternal University Baru Sahib HP Email: hsdhaliwal07@gmail.com
- (iv) Prof. A.S. Ahluwalia Pro Vice Chancellor Eternal University Baru Sahib HP , 9815984489
pvc@eternaluniversity.edu.in

(v) Prof. Sawal Kishor NIT Patna, +919931024693, Email: sksingh@nitp.ac.in PIN 800005

Certified that all the above particulars are true and correct to the best of my knowledge and belief.

Dr. Surjan Singh

8/03/2026

Eternal University Baru Sahib HP