CURRICULUM - VITAE

Dr. Ram Kishor

Assistant Professor
(Academic Level-12)

Corresponding Address:
Department of Mathematics
Central University Of Rajasthan,
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IUCAA Visiting Associate
(1st tenure, 01.08.2016 to 31.07.2019)
(2nd tenure, 01.08.2019 to 31.07.2022)
(3rd tenure, 01.08.2022 to 31.07.2025)
(4th tenure, 01.08.2025 to 31.07.2028)

Inter-University Centre for Astronomy and Astrophysics
(IUCAA), Pune, Maharashtra (INDIA)
Email: rkishor@associates.iucaa.in

Ph.D. DETAILS

Ph.D. Thesis Title: A Study of Effective Stability in the Generalised Photogravitational Chermnykh-like Problem.
Ph.D. Award On: 13th March, 2014
Ph.D. Awarding Institute: IIT **(**Indian School of Mines), Dhanbad, Jharkhand, India

RESEARCH AREA/INTEREST

- Celestial Mechanics; Nonlinear Dynamics and Chaos; Mission Design.

RESEARCH AND ACADEMIC EXPERIENCES

- **Supervised 49 major and 15 minor, research project reports** for M.Sc. Maths (2Y), and M.Sc. Tech. Maths (3Y), Int. M.Sc. B.Ed. Maths/Phy (3Y) and Int. M.Sc. Maths (5Y) students at Central University of Rajasthan.
- S**upervised 5 students of Amity University Haryana (Gurgaon)** in their summer internship and evaluated their reports.
- (i) **Supervised** 3 PhD students, (ii) Supervision going on for 3 other Ph.D. students.

SPONSORED/CONSULTANCY PROJECTS

- PI of the project entitled "**Libration Orbits Mission Design with Perturbations"** sponsored by UGC under **UGC Start-up Grant No. F.30-356/2017 (BSR)** (Status: Completed).
- Co-PI of the project entitled **"Roll of escaping sets in complex dynamics"** sponsored by DST-SERB under EMR scheme (Status: Completed).

TEACHING EXPERIENCES

Assistant Professor in the Department of Mathematics, Central University of Rajasthan, from last **12 years** as below-

- 23 September 2013 to 22 September 2014 (**Temporary**)
- 24 September 2014 to 22 September 2015 (**Temporary**)
- 24 September 2015 to 18 December 2015 (**Temporary**)
- 21 December 2015 to till date (**Regular)**

REVIEWER/REFREE

- Scientific Reports, Nature
- Astronomy and Computing, Elsevier
- Journal of Guidance, Control, and Dynamics, AIAA
- Advances in Space Research (ASR), Elsevier
- Chaos, Solitons & Fractals, Elsevier
- Results in Physics, Elsevier
- Physica Scripta, IOP Science
- Indian Journal of Physics, Springer
- Astrophysics and Space Science (Ap&SS), Springer
- The Journal of the Astronautical Sciences (JASS), Springer
- Jñānābha,VPI
- Advances in Astrophysics (AdAp), Isaac Scientific Publishing.
- International Frontier Science Letters (IFSL), SciPress Ltd.

SUBJECT TAUGHT

- Real Analysis
- Linear Algebra
- Metric Space
- Numerical Analysis
- Classical Mechanics
- Celestial Mechanics
- Complex Analysis
- Functional Analysis,
- Number Theory
- Research Methodology
- Abstract Algebra
- Discrete Mathematics
- Algebra and Analysis
- Sets and Functions
- Vectors and Matrices
- Differential and Integral Calculus

MEMBERSHIPS IN PROFESSIONAL/SCIENTIFIC ORGANIZATIONS

- Life member of '**Indian Science Congress Association (ISCA)**', Kolkata, **India**.
- Life member of '**Indian Mathematical Society (IMS)**', Maharashtra, **India**.
- Life member of '**Ramanujan Mathematical Society (RMS)',** Tiruchirapalli, **India.**
- Life member of **'Astronomical Society of India (ASI)',** Bangalore, **India.**
- Founder Member of **'Society for Dynamical Systems (SDS)',** Ajmer, **India**
- Visiting Associate of **Inter-University Centre for Astronomy and Astrophysics (IUCAA)**, Pune, **India.**
- Life member of **'Society of Applied Mathematics (SAM)'**, ISM Dhanbad, **India**
- Associate of **Committee on Space Research (COSPAR), ZARM COSPAR, Paris, France**.
- Member of '**International Association of Engineers (IAE), Hong Kong**.
- Member of **'International Astronomical union (IAU)', France.**
- Sectional Committee Member for the section: **Mathematical Sciences (including Statistics), ISCA**, Kolkata (in 2018), India.
- Member of **'Society of Industrial and Applied Mathematics (SIAM)', USA (May 2013-December 2014).**

EDUCATIONAL QUALIFICATION

- Ph.D. in 2014 in Celestial Mechanics from IIT (Indian school of Mines), Dhanbad, Jharkhand, India.
- B.Ed. in 2009 with first division from Digamber Jain College Baraut, Baghpat of CCS Univ. Meerut, U. P., India.
- M.Sc. in 2008 in Mathematics with first division from University of Allahabad, Prayagraj (Allahabad), U.P. India.
- B.Sc. in 2006 with Physics, Chemistry and Mathematics with second division from Ewing Christian College, Prayagraj (Allahabad) (An Autonomous College of University of Allahabad), U.P. India.

HONOURS/AWARDS

- Selected as **Visiting Associate** of IUCAA for four consecutive tenures (each of three years as **2016-2019, 2019-2022, 2022-2025 & 2025-2028**) under the visiting associateship programme of IUCAA, Pune (Maharashtra), India.
- Selected as **Excellent Reviewer** for the Journal of Guidance, Control, and Dynamics in the period of 10/1/2024-9/30/2025.
- Selected for a **registration fee waiver for the XXXII IAU General Assembly** in Cape Town, South Africa (Aug. 6-15, 2024).
- Awarded a **900 Euro grant from COSPAR for the 45th Scientific Assembly** in Busan, South Korea (July 13-21, 2024), which is returned to support other participants.
- Won the **Best Poster Award of worth Rs. 5000/- Cash and Citation in 105th ISCA 2018** at Manipur University, Imphal, Manipur, during 16-20 March, 2018
- **Elected as Sectional Committee Member** for the section: Mathematical Sciences (including Statistics), ISCA, Kolkata, 2018.

- Felicitated by Central University of Rajasthan on the occasion of 6th foundation day (3rd March 2014) for a **research paper** published in **Monthly Notices of the Royal Astronomical Society (Impact Factor 5.521, 2013)** published by **Oxford University Press, London**.
- Selected and granted **(300 EURO)** in **IAU Symposium 310** held at Namur, Belgium during 7-10 July, 2014 (but not appeared).
- Support of (**650 +registration fees 450) EURO** provided by the 40th COSPAR Scientific Assembly, held at Moscow, Russia during August 2-10, 2014.
- Financial support from DST**, Govt. of India, New Delhi** under **ITS scheme** to attend the **SIAM** Conference on Dynamical System **(DS13)** during 19-23 May, 2013, held at Snowbird Ski and summer resort, Snowbird, Utah, USA.
- Recipient of **550 EURO** from **COSPAR-2012, France** as Partial Travel Support for the 39th COSPAR Scientific Assembly, held at Mysore, India during July 14-22, 2012.
- CSIR-UGC NET (LS): (i) June 2009 with 52 rank, (ii) Dec. 2009 with 95 rank
- DST-JRF :Jan 2011 to March 2014
- GATE 2012 : AIR 383

ORGANISED WORKSHOPS/CONFRENCES/SEMINAR

- Organized **National Mathematics Day Seminar**, 22 December, 2023 at the Dept. of Mathematics, Central Univ. of Rajasthan.
- Organized IUCAA sponsored 3 days **International Workshop on Celestial Mechanics and Dynamical Astronomy (IWCMDA2023)**, 06-08 January, 2023 at the Department of Mathematics, Central University of Rajasthan.
- Organized IUCAA sponsored 5 day workshop on **Celestial Mechanics and Dynamical Astronomy (CMDA2019)**, 07-11 January, 2019 at the Department of Mathematics, Central University of Rajasthan.

ABROAD VISIT

- Presented a paper during **40th COSPAR Scientific Assembly**, held at **Moscow, Russia** during August 2-10, 2014.
- Presented a paper during **SIAM Conference on Applications of Dynamical System**, held at **Snowbird, Utah, USA**, during 19-23 May, 2013.

DELIVERED TALKS IN WORKSHOP/SEMINAR

- On the **Modeling of the Classical Problem of the Celestial Mechanics: Existence and Stability Analysis of Equilibrium Points** in the "One Week Short Term Training Program: KDMRM-2025" held at Department of Mathematics, NIT Raipur, CG, India during 17 -21 November, 2025.
- On the **Invariant Manifolds of Lyapunov Periodic Orbits** in the "Workshop on Celestial Mechanics and Dynamical Astronomy: Advancement in Trends and Techniques (CMDA-2025)" held at Department of Mathematics and Computing, IIT-ISM, Dhanbad, Jharkhand, India during 13 -17 October, 2025.
- On the **Orbital Motion under the frame of Chermnykh-Like Problem** in the "Workshop on Celestial Mechanics and Dynamical Astronomy: Advancement in Trends and Techniques (CMDA-2025)" held at Department of Mathematics and Computing, IIT-ISM, Dhanbad, Jharkhand, India during 13 -17 October, 2025.
- On the **Perturbed Restricted Three Body Problem: Existence and Stability Analysis of Lagrange Point**s in the **"**8th International Conference on Mathematical Modeling, Applied Analysis and Computation-2025 (ICMMAAC-25)" held at JECRC University, Jaipur, India during 1st -3rd August 2025.
- On the **Impact of a disc/belt in the generalized photo-gravitational RTBP** in online workshop on "Recent Development of Mathematical Sciences on Biological and Dynamical Systems with Fuzzy and Fractional Environment" at Department of Mathematics, Mahadevananda Mahavidyalaya Barrackpur, Kolkata during 19th-29th June 2024.
- On the **Most Celebrated Unsolved Problem of Celestial Mechanics** in one-day national webinar '**Recent Progress in Mathematical Sciences**' on the occasion of International Day of Mathematics at the Department of Mathematics, Government Engineering College Bhojpur, Bihar on March 14, 2024.
- On the **Most Celebrated Unsolved Problem** in the **National Mathematics Day** seminar at the Department of Mathematics, Central University of Rajasthan on 22nd December, 2023.
- On **the Existence analysis of Lagrange point-L1, stability analysis and possible application in different space missions** in the **Meghnad Saha Memorial Workshop on Solar Astronomy Focused one Aditya-L1 Mission** held at Dept. of Physics, University of Allahabad, UP during 4-6 December, 2023.
- On the **Generalized Photo-gravitational RTBP with Disc** in the **29th CONIAPS** at the Department of Applied Sciences, Shivalik College of Engineering, Dehradun during 21-23 July, 2023.
- On the **Introduction to Different Physical Models and their Dynamical Aspects** in **IWCMDA2023** at the Department of Mathematics, Central University of Rajasthan during 06-08 January, 2023.

- On the **Most Celebrated Problem of the Celestial Mechanics- An Unsolved Problem** in the **Webinar** on Cosmology & Astronomy: Study of the Universe using Physics and Mathematics held at The Neotia University, Sarisha, West Bengal during 04 September, 2021.
- On the **Restricted Problem of Three Bodies: An Unsolved Problem** in the National **Webinar** on "Tourism in Space: A Mathematical Overview'' at Galgotias College of Engineering and Technology, Greater Noida,, during 03 September, 2020.
- On the **Normalisation Methods** in **CMDA-2019** held at Department of Mathematics, Central University of Rajasthan, Ajmer, Rajasthan (India) during 07-11 January, 2019.
- On the **Restricted Three body Problem** in **RMSET-2016** held at Department of Mathematics, MNNIT, Prayagraj (Allahabad), UP (India) during 19-23 October, 2016.
- On the **Chermnykh-Like Problem** in **RMSET-2016** held at Department of Mathematics, MNNIT, Prayagraj (Allahabad), UP (India) during 19-23 October, 2016.
- On the **Lyapunov Characteristic Exponents** in **RMSET-2016** held at Department of Mathematics, MNNIT, Prayagraj (Allahabad), UP (India) during 19-23 October, 2016.

SCHOOL/WORKSHOP/SEMINAR/LIBRARY VISITS

- Attended a **Five Days Capacity Building Programme on "Indian Knowledge System (IKS)** held at Central University of Rajasthan in association with NITTTR, Bhopal during 24-28 November, 2025.
- Attended a **Five Days Capacity Building Programme on "Learner-centered Teaching Methodology** held at Central University of Rajasthan in association with NITTTR, Bhopal during 2-6 December, 2024.
- Attended a **two-week, online capacity-building programme on "National Education Policy 2020 Orientation & Sensitization** held at MMTTC, ACE-IUCAA (Online) during 1-15 May, 2024.
- Attended a **Two week Faculty Development Program on "Deep Learning in Image Processing and Pattern Recognition"** held at Central University of Rajasthan during 13-22 March, 2023.
- Attended a five days' **One week online FDP on "NEP 2020: Impetus for Life Skills and Holistic Development" for teachers of HEIs held** at Central University of Rajasthan during 01-05 March, 2021.
- Attended a ten days' **refresher course on Capacity Building Program for teachers of HEIs held** at Central University of Rajasthan during 09-19 April, 2019.
- Attended a ten days workshop on **Teaching-Learning & Evaluation for faculty members of HEIs** held at Central University of Rajasthan during 15-24 December, 2018.
- Attended two day **Microsoft Faculty Empowerment Training Program "Saksham**" held at Central University of Rajasthan during 10-11 March, 2018.
- Presented (poster) under **Best Poster Award Programme** of **ISCA 2018** during 16-20 March, 2018 at Manipur University, Imphal, Manipur.
- Participated and completed **115th Orientation Programme** during 04-31, January, 2017 held at UGC-HRDC, University of Allahabad, Allahabad, U. P.
- Chaired a session in the national workshop on **Mathematical Modelling and Simulation**, held at Central Univ. of Rajasthan during 14-18 March, 2016.
- Attended (member of organising committee) **ICOCBASD-2015**, held at Central Univ. of Rajasthan during 20-22 March, 2015.
- Attended **DST-SERC School on Nonlinear Dynamics**, held at Central University of Rajasthan during 01-20 December 2014.
- Attended **NCCA-2014**, held at Central University of Rajasthan during 08-09 March, 2014.
- Attended **WMMA-2013** as a Volunteer and Participant, held at ISM Dhanbad during 07-09 February, 2013.
- Attended **5th Science Conclave** held at IIIT, Allahabad during December 8-14, 2012.
- Attended **UTPLAA-2012** as a Super Visor of under Graduated Student in problem solving, held at ISM Dhanbad for the duration of 28 May to 6 June, 2012.
- Attended **Inspire Science Camp-2012** as a Volunteer, held at ISM Dhanbad, for the duration of 20-24 March, 2012.
- Visitor of **IUCAA**, Pune since May, 2011 to 2016.

LIST OF PUBLICATIONS

- Suman, Raj Mal Jat and **Ram Kishor, "Observing disc's impact in the modified Robe's problem,** ***Advances in Space Research (Elsevier),*** *Vol. TBD* (2025), *DOI: https://doi.org/10.1016/j.asr.2025.10.097*.

- Raj Mal Jat and **Ram Kishor, "On in-plane and out-of-plane motions under the influence of dark matter halo",** ***Indian Journal of Physics (Springer),*** *Vol. TBD* (2025), *DOI: https://doi.org/10.1007/s12648-025-03757-z* .

- Raj Mal Jat and **Ram Kishor, "Impact of dark matter halo and albedo effect on the out-of-plane motion in the generalized photogravitational RTBP",** ***Physics of the Dark Universe (Elsevier),*** *Vol. 48, 101940 (2025).*

- Pulkit Gahlot and **Ram Kishor**, "**Performing Floquet stability test for AEPs and exploring pulsating ZVCs in the perturbed planar elliptic solar sail problem**", ***European Physical Journal Plus (Springer),*** *Vol. 140, 200* (2025).

- Krishna Pada Das, Abhishek Sarkar, Seema Sarkar , Vikash Gupta, Gauri Shankar Paliwal, Ilyas Khan, Subrata Jana and **Ram Kishore, "Toxin producing phytoplankton and viral infection are the biological factors for occurrence and controlled of planktonic bloom", *Nonlinear Studies (Cambridge Scientific Publishers),*** *Vol. 31, No. 4, Pages 1342-1357* (2024).

- Krishna Pada Das, Abhishek Sarkar, Seema Sarkar, Vikash Gupta, Gauri Shankar Paliwal, Ilyas Khan, Subrata Jana and **Ram Kishore, "A study of plankton bloom in a phytoplankton-zooplankton model with viral infection", *Nonlinear Studies (Cambridge Scientific Publishers),*** *Vol. 31, No. 4, Pages 1291-1307* (2024).

- Krishna Pada Das, Abhishek Sarkar, Seema Sarkar , Partha Karmakar, Rakesh Kumar, Vikash Gupta, Gauri Shankar Paliwal; Ilyas Khan; Subrata Jana and **Ram Kishore Prajapati, "Mathematical Study of planktonic bloom in a nutrient phytoplankton model with toxin producing spaces and viral infection", *Nonlinear Studies (Cambridge Scientific Publishers),*** *Vol. 31, No. 4, Pages 1067-1080* (2024).
- Pulkit Gahlot and **Ram Kishor**, "**Invariant manifolds of Lyapunov periodic orbits in the RCD solar sail problem with dipole secondary**", ***Nonlinear Dynamics (Springer)****, Vol. 112, Page 14143-14157* (2024).

- Pulkit Gahlot and **Ram Kishor,** "**Orbital analysis in generalised solar sail problem with Stokes drag effect**", ***Indian Journal of Physics (Springer)****, Vol. 98, Page 4251–4263.* (2024).
- Poonam Meena and **Ram Kishor, "On the periodic motion in the photo-gravitational planar elliptic restricted four body problem", *Chaos, Solitons & Fractals (Elsevier),*** *Vol. 180, 114525 (2024).*

- Saleem Yousuf and **Ram Kishor "Non-linear stability of triangular equilibrium points inn non-resonance case with perturbations", *Nonlinear Dynamics,*** *Vol. 112, Page 1843–1859 (2023).*

- Saleem Yousuf, **Ram Kishor** and Manoj Kumar**, "Motion about equilibrium points in the Jupiter-Europa system with oblateness", *Applied Mathematics and Nonlinear Sciences,*** *Vol. 8(1),* Page 2075-2090 (2023)

- Pulkit Gahlot and **Ram Kishor,** "**Artificial equilibrium points and their linear stability analysis in the solar sail problem with triaxial second primary", *Advances in Space Research,*** *Vol. 71(8), P*age 3262-3280 (2023)*.*

- Saleem Yousuf, and **Ram Kishor, "2D and 3D axi-symmetric horseshoe periodic orbits about Lagrangian points: A global grid search approach", *Icarus,*** Vol. 387, 115207 (2022).

- Poonam Meena and **Ram Kishor,** "**Floquet stability analysis of equilibrium points and numerical exploration of pulsating zero-velocity curves and Newton-Raphson basins of attraction", *Advances in Space Research,*** Vol. 70(8), Page 2334-2356 (2022).

- Saleem Yousuf, and **Ram Kishor, "Families of periodic orbits about Lagrangian points L_1, L_2 and L_3 with continuation method*, Planetary and Space Science,*** *Vol. 217,* 105491 (2022).

- Saleem Yousuf and **Ram Kishor** , "**Impact of a disc and drag forces on the existence and linear stability of equilibrium points and Newton-Raphson basins of attraction*, Kinematics and Physics of Celestial bodies***, Vol. 38 (3), Page 166–180, (2022).

- Poonam Meena and **Ram Kishor, "First order stability test of equilibrium points in the planar elliptic restricted four body problem with radiating primaries", Chaos, Solitons and Fractals (Elsevier),** Vol. 150,111138 (2021)**.**

- Ashok Kumar Pal, Elbaz I. Abouelmagd and **Ram Kishor, "Effect of Moon perturbation on the energy curves and equilibrium points in the Sun–Earth–Moon system", New Astronomy (Elsevier),** Vol. 84,101505 (2020)**.**

- Saleem Yousuf and **Ram Kishor**, **"Effects of the albedo and disc on the zero velocity curves and linear stability of equilibrium points in the generalized restricted three-body problem", Monthly Notices of the Royal Astronomical Society**, Vol. 488(2), Page 1894-1907 (2019)**.**

- **Ram Kishor,** M. Xavier James Raj and Bhola Ishwar **"Normalization of Hamiltonian and nonlinear stability of triangular equilibrium points in the photogravitational restricted three body problem with P-R drag in non-resonance case", Qualitative Theory of Dynamical Systems (Springer),** Vol.18(3), Page1055-1075 (2019)**.**

- **Ram Kishor** and Badam Singh Kushvah, **"Normalization of Hamiltonian and Nonlinear Stability of the Triangular Equilibrium Points in Non-resonance Case with Perturbations", Astrophysics & Space Science (Springer),** Vol.362, 156 (2017)

- **Ram Kishor** and Badam Singh Kushvah, **"The Linear Stability of Collinear Equilibrium Points and Resonances"**, **Advances in Astrophysics,** Vol. 2(1), Page 52-65 (2017).

- **Ram Kishor**, **"Linear Stability of Equilibrium Points in the restricted three body problem with Perturbations", Journal of IAPS**, Vol. 20(1), Page 1-16, (2016).

- **Ram Kishor** and Badam Singh Kushvah, **"Triangular Equilibrium points and its Linear Stability in the Generalized Photo-gravitational Chermnykh-Like Problem with Power-law Profile",** Published in proceedings of National Conference on 'Recent Advances in Mathematics and its Applications' (**Allied Publishers, Pvt. Ltd.**) Page 238-246 **(2013).**

- **Ram Kishor** and Badam Singh Kushvah, **"Linear Stability and Resonances in the Generalized Photogravitational Chermnykh-Like Problem with a Disk",** Monthly Notice of Royal Astronomical Society **(Oxford University Press)** Vol. 436, Page 1741-1749 (2013)**.**

- **Ram Kishor** and Badam Singh Kushvah, **"Lyapunov Characteristic Exponents in the Generalized Photo-gravitational Chermnykh-Like Problem with Power-law Profile",** Planetary and Space Science (**Elsevier**) Vol. 84, Page 93-101 **(2013).**

- **Ram Kishor** and Badam Singh Kushvah, **"Periodic Orbits in the Generalized Photo-gravitational Chermnykh-Like Problem with Power-law Profile",** Astrophysics & Space Science (**Springer**), Vol. 344(2), Page 333-346 **(2013).**

- Badam Singh Kushvah**, Ram Kishor** and Uday Dolas, **"Existence of equilibrium points and their linear stability in the generalized photogravitational Chermnykh-like problem with power-law profile",** Astrophysics & Space Science (**Springer**), Vol. 337(1), Page 115-127 **(2012).**

LIST OF ARTICLES PRESENTED IN NATIONAL/INTERNATIONAL CONFERENCES

- **Ram Kishor,** "**Linear Stability of Collinear Equilibrium Points under the frame of a Chermnykh-like Problem with Disc**" p**resented a research paper (online) in the 7th International Conference on Applied Engineering and Natural Sciences (ICAENS) 2025** held at Konya/Turkey during 15-16 May 2025.

- **Ram Kishor,** "**Computation of Lissajous and halo Orbits**" p**resented a research paper (online) in the 6th International Mediterranean Congress** held at Rome, Italy during 13-15 August 2024.

- Ram Kishor **"Non-linear Stability Analysis for Perturbed Non-collinear Equilibrium Points in Non-resonance Case**" presented (e-poster) a research paper in the **XXXII IAU General Assembly** held at Cape Town, South Africa during 6-15 August, 2024.

- **Ram Kishor, "On the Lissajous and Halo Orbits with Oblate Primaries",** presented in the **PTS-2023** held at Department of Physics, JNU, New Delhi during 21-23 September, 2023.

- **Ram Kishor, "Nonlinear stability analysis of triangular equilibrium points with P-R drag",** presented in the **ICCMSO-2022** held (online) at Department of Applied Sciences, The North Cap University, Gurugram, Haryana during 02-03 April, 2022.

- **Ram Kishor, "Existence and linear stability analysis of collinear equilibrium points in the generalised Chermnykh-like problem with radiation pressure and a disc",** presented in the **35th annual conference of RMS-2020** held (online) at Central University of Rajasthan during 27-29 December, 2020.

- **Ram Kishor, "Lyapunov Characteristics Exponents in the perturbed restricted three body problem",** presented in the **CDSA-2020** held at Central University of Rajasthan during 21-23 February, 2020.

- **Ram Kishor, "Effect of radiation and P-R drags on the equilibrium points and zero velocity curves in the restricted three body problem",** presented in the **2nd ICMMAAC-2019** held at JECRC University, Jaipur, Rajasthan during 08-10 August, 2019.

- **Ram Kishor, "Computation of Complex Normal Form in the Spatial Photogravitational Restricted Three Body Problem with Oblate Primaries"** presented in the **Best Poster Award Programme of ISCA 2018** held at Manipur University, Imphal, Manipur, during 16-20 March, 2018.

- **Ram Kishor, "Normalization of Hamiltonian in the Restricted Three Body Problem with Oblate Primaries"** presented in the **Competition Section in the 83rd Annual Conference of IMS - an International Meet** held at S V University, Tirupati, AP during 12-15 December, 2017.

- **Ram Kishor, "Normalization of Hamiltonian in the Chirmnykh-like Problem under the influence of Perturbations"** presented in **21st International Conference of International Academy of Physical Sciences (CONIAPS XXI) on Symbiotic Development of Mathematical, Physical, Chemical & Computational Sciences** held at GJUS&T, Hisar, Haryana during 28-30 October, 2017.

- **Ram Kishor**, **"Lyapunov Characteristic Exponents in the Chermnykh-like Problem under the influence of Perturbations,** presented in the **ICTIMAMS-2016**, held at DST Center for Interdisciplinary Mathematical Sciences, BHU Varanasi, India during December 14-17, 2016.

- **Ram Kishor**, **"Linear Stability of Equilibrium Points in the restricted three body problem with Perturbations,** presented in the **18th International Conference of International Academy of Physical Sciences (CONIAPS XVIII) On Recent Trends in Physical Sciences,** held at University of Allahabad, Allahabad, UP during 22-24 December, 2015.

- **Ram Kishor**, **"Linear Stability in case of Resonances in the Photogravitational Restricted Three Body Problem with an Oblate Body,** presented in the **80th Annual conference of The Indian Mathematical Society,** held at **ISM, Dhanbad** during 27-30 December, 2014.

- **Ram Kishor**, **"Linear Stability of Equilibrium Points and Resonances in the Generalized Photogravitational Chermnykh-Like Problem with a Disc",** presented in the **40th COSPAR Scientific Assembly,** held at **MOSCOW, Russia** during 02-10 August, 2014.

- **Ram Kishor,** "**Orbits in the Neighbourhood of Collinear Equilibrium Points in the Generalized Photogravitional Chermnykh-like Problem**" presented in International Conference on Advances in Dynamical System **(ICADS 2014)"** held at Central University of Rajasthan during March 10-13, 2014.

- **Ram Kishor** and Badam Singh Kushvah, **"Collinear Equilibrium Points and its Linear Stability in the Generalized Photogravitational Chermnykh-Like Problem with Power-law Profile"** presented in **SIAM** Conference on Applications of Dynamical System **(DS13)"** held at Snowbird Ski and Summer Resort, Snowbird, Utah, **USA** during May 19-23, 2013.

- **Ram Kishor** and Badam Singh Kushvah, **"Triangular Equilibrium points and its Linear Stability in the Generalized Photo-gravitational Chermnykh-Like Problem with Power-law Profile"** presented under **Young Scientist Award Session** in the National conference on 'Recent Advances in Mathematics and Its Applications **(RAMA-2013)**' held at Indian School of Mines, Dhanbad during, February 14-16, 2013**".**

- **Ram Kishor** and Badam Singh Kushvah, **"Computation of First and Second Order LCEs in the Generalized Photogravitational Chermnykh – Like Problem"** presented in the 39th COSPAR Scientific Assembly (International) at Mysore, India, during July 14-22, 2012.

DECLARATION

I do here by declare that the above furnished details are true and correct to the best of my knowledge and belief.

Date: August, 2025 (Ram Kishor)