

## **BIO-DATA**

- 1. Name** : **Dr. K.S.Rawat**
- 2. Father, s Name** : Late Shri N.S. Rawat
- 3. Date of Birth** : 11-02-1969 ( Eleven February Nineteen Sixty Nine )
- 4. Designation** : **Professor**
- 5. Academic Qualification** : M.Sc., D. Phil.
- 6. Teaching Experience** : 30 years
- 7. Research Experience** : From 1991 to till date
- 8. Research Field** : **Differential Geometry ( Differential Geometry of  
Complex and Almost Complex Spaces )**
- 9. Research Papers** : **(i) Published - 91**  
**(ii) Accepted - 04**  
**(iii) Communicated - 05**
- 10. Published Books** :
  - (i)** A Text book of Calculus with Differential Equations  
- I<sup>st</sup> Edition 2001, ISBN-81-87815-68-X
  - (ii)** Differential Equations - I<sup>st</sup> Edition 2003, ISBN- 81-7625-380-4
  - (iii)** Higher Algebra - I<sup>st</sup> Edition 2003, ISBN- 81-7625-408-8
  - (iv)** Special Functions - I<sup>st</sup> Edition 2005. ISBN- 81- 89161-45-8
  - (v)** Trigonometry - I<sup>st</sup> Edition 2005, ISBN- 81-7625-591-2
  - (vi)** Differential Calculus - I<sup>st</sup> Edition 2006, ISBN- 8 1-89161-82-2
  - (vii)** Integral Calculus - I<sup>st</sup> Edition 2006, ISBN-81- 89161-83-0
  - (viii)** Vector Analysis - I<sup>st</sup> Edition 2008, ISBN- 978-81-7625-838-8
  - (ix)** Integral Calculus - I<sup>st</sup> Edition 2008, ISBN- 978-81-7625-839-5
  - (x)** Higher Integral Calculus - I<sup>st</sup> Edition 14, ISBN-978-81-930149-5-0
  - (xii)** Vector Calculus - I<sup>st</sup> Edition 14, ISBN-978-81-930149-3-6
  - (xii)** Convergence and Divergence of Series - I<sup>st</sup> Edition 14, ISBN-978-81-  
930149-4-3
  - (xiii)** Integral Transform - Ist Edition 2019, ISBN-978-93-86088-71-0
  - (xiv)** Mathematical Methods - In Press
- 11. Conferences / Seminars / Symposium / Workshop Attended** : **26( 21+ 05 ).**

**12. National Conference Organized - 01** ( October 02-03 , 2009, Rishikesh ). **(i)** Local Organizing Secretary of the National Conference of The Tensor Society of India.

**(ii)** Member of organizing committee of International Conference on Differential Geometry and Relativity ( **ICDGR-2013** ), November 09- 11, 2013 Organized by Dept. of Mathematics and Statistics D.D.U. Gorakhpur University, Gorakhpur and The Tensor Society on the occasion of 80<sup>th</sup> birth year of Prof. U.P. Singh,

**(iii)** Member of organizing committee of 19<sup>th</sup> Annual Conference of Vijnana Parishad of India on *Recent Advances in Mathematics and Mathematical Sciences and their Applications* (Dedicated to Prof. S.L. Singh) November 10-12 , 2016 Organized by Dept. of Mathematics, H.N.B.Garhwal University (A Central University ) B G R Campus , Pauri (Garhwal) Uttarakhand, India.

**13. Orientation Programme Attended : 01**

**14. Refresher Courses Attended : 02**

**15. Paper Presentation / Talk Delivered / Session Chaired : 17+ 09+ 09 ( 08 Talks Delivered + 08 Session Chaired)**

**16. Articles : 02**

**17. Administrative Assignment :**

**(i)** Assist. Proctor - From 01 /07/ 2000 to 30 / 06 / 2001.

**(ii)** Hostel Warden - From 04 / 12 / 2001 to 12 / 04 / 2004.

**(iii)** NCC Officer - From 01 / 10 / 2003 to 05-11-2016

**(iv)** As Head , Department of Mathematics , H.N.B.G.U. Campus Badshahi Thaul Tehri ( Garhwal ) - From 14 / 11 / 2007 up to 02 (two) Years.

**(v)** Member of Administrative Committee - From 03 /02 /2010 to till date in H.N.B.G.U. Campus Badshahi Thaul Tehri ( Garhwal).

**(vi)** Head, Department of Mathematics, H.N.B.Garhwal University Campus Badshahi Thaul, Tehri ( Garhwal ) from 01 October 2014 to till date.

**(vii)** Assistant Proctor : From 01/07/2017 to

**18. Member of Professional Societies: Life Member of**

**(i)** The Tensor Society of India

**(ii)** Bharat Ganita Parishad

(iii) Indian Mathematical Society

(iv) Vijnana Parishad of India

**19. Member of Journal:**

(i) Member of International Journal Editorial Board ( As Joint Publicity Secretary )

(ii) Member of Executive Committee of the International Journal.

**20. Member at University Level: ( Magazine Himalokini )**

(i) Member of Advising Committee During the Year 1999 - 2000.

(ii) Member of Editorial Board - During the Year 2000 - 2003.

**21. Number of Research Scholars Under Supervision :**

( i ) No. of Research Scholars Awarded - **07**

(ii) No. of Research Scholar working - **01**

**22. Session Chaired - 09**

**Dr. K.S.Rawat**

**Professor & Head**

Department of Mathematics

H.N.B.Garhwal University

Campus Badshahi Thaul,

Tehri (Garhwal)-249199

Uttarakhand, India.

## LIST OF PUBLICATIONS

### Published Papers:

1. D.S. Negi & **K.S.Rawat** : Some bi-recurrence and bi-symmetric properties in a Kaehlerian Space, *Acta Ciencia Indica*, Vol. XX M , No. 1, 95-100 (1994) . **ISSN- 0970-0455**.
2. D.S. Negi & **K.S. Rawat** : Decomposition of recurrent curvature tensor fields in a Kaehlerian Space, *Acta Cien. Ind.*, Vol. XXI M, No. 2 , 139-142 ( 1995 ). **ISSN-0970-0455**
3. D.S. Negi & **K.S. Rawat** : Totally Real Sub manifolds of a Kaehlerian manifolds , *Acta Cien. Ind.* Vol. XXI M, No. 2,147-150 (1995) . **ISSN- 0970-0455**
4. D.S. Negi & **K.S. Rawat** : On decomposition of recurrent curvature tensor fields in a Kaehlerian space, *Acta Cien. Ind.* , Vol. XXI M, No. 2 , 151- 154 (1995) . **ISSN- 0970-0455**
5. D.S. Negi & **K.S. Rawat** : Decomposition in Kaehlerian recurrent space , *Acta Cien. Ind.*, Vol. XXI M, No. 2 , 159-162 (1995). **ISSN- 0970-0455**
6. D.S. Negi & **K.S. Rawat** : Integral inequalities in Kaehlerian manifold, *Acta Cien. Ind.*, Vol. XXII M , No. 3 , 290-296 (1996). **ISSN- 0970-0455**
7. D.S. Negi & **K.S. Rawat** : Affine motion in Almost Tachibana recurrent space, *Acta Cien. Ind.* , Vol. XXIII M, No. 3, 235-238 (1997). **ISSN- 0970-0455**
8. D.S. Negi & **K.S. Rawat** : Theorems on Kaehlerian spaces with recurrent and symmetric Bochner curvature tensor, *Acta Cien. Ind.*, Vol. XXIII M, No. 3, 239-242 (1997). **ISSN- 0970-0455**
9. D.S. Negi & **K.S. Rawat** : Projective motion in a Kaehlerian recurrent space, *Acta Cien. Ind.*, Vol. XXIII M, No. 4 , 251-154 (1997). **ISSN- 0970-0455**
10. D.S. Negi & **K.S. Rawat** : Some investigations in Kaehlerian space, *Acta Cien. Ind.*, Vol. XXIII M, No. 4, 255-258 (1997). **ISSN- 0970-0455**
11. D.S. Negi & **K.S.Rawat** : The study of decomposition in a Kaehlerian space, *Acta Cien. Ind.*, Vol. XXIII M, No. 4, 307-311 (1997). **ISSN- 0970-0455**
12. D.S. Negi & **K.S. Rawat** : A note on decomposition in a Kaehlerian recurrent space, *Acta Cien. Ind.*, Vol. XXIV M, No. 2, 123-126 (1998). **ISSN- 0970-0455**
13. **K.S. Rawat** : Geometry of the locally product Almost Tachibana space, *Acta Cien. Ind.*, Vol. XXVII M , No. 3 , 465-468 (2002). **ISSN- 0970-0455**.
14. **K.S. Rawat** : The study of Affine motion in the Hermite space, *Acta Cien. Ind.*, Vol. XXIX M, No. 2 , 221-224 (2003) . **ISSN- 0970-0455**
15. **K.S. Rawat** : Kaehlerian bi-recurrent and bi-symmetric manifold, *Acta Cien. Ind.*, Vol. XXIX M, No. 2, 233-236 (2003). **ISSN- 0970-0455**
16. **K.S. Rawat** : An Almost product and Almost decomposable bi-recurrent manifold, *Acta Cien. Ind.*, Vol. XXIX M, No. 4, 751-754 (2003). **ISSN- 0970-045**

17. **K.S.Rawat & Gyan Prakash:** Some recurrence and symmetric properties of a Kaehlerian space, *Acta Cien. Ind.*, Vol. XXX M, No. 4, 701-704 (2004). **ISSN- 0970-0455**
18. **K.S. Rawat :** The study of Kaehlerian space, *Acta Cien. Ind.*, Vol. XXX M, No. 4, 713-716 (2004). ISSN- 0970-0455. **ISSN- 0970-0455**
19. **K.S. Rawat & G.P. Silswal:** Theorems on Kaehlerian bi-recurrent and bi-symmetric spaces, *Acta Cien. Ind.*, Vol. XXXI M, No. 1, 11-16 (2005). **ISSN- 0970-0455.**
20. **K.S. Rawat :** The decomposition of recurrent curvature tensor fields in a Kaehlerian space , *Acta Cien. Ind.*, Vol. XXXI M, No.1, 135-138 (2005). **ISSN- 0970-0455**
21. **K.S. Rawat & G.P. Silswal:** Some theorems on subspaces of subspaces of a Tachibana spaces, *Acta Ciencia Indi.* , Vol. XXXI M, No. 4, 1009-1016 (2005). **ISSN- 0970-0455**
22. **K.S.Rawat & G.P. Silswal:** Decomposition of recurrent curvature tensor fields in a Kaehlerian recurrent space, *Acta Cien. Ind.*, Vol. XXXI M, No. 3, 795-799 (2005). **ISSN- 0970-0455**
23. **K.S.Rawat & G.P. Silswal:** The study of Projective motion in an Almost Tachibana recurrent space, *Jour. PAS*, Vol. 12 (Ser. A), 47-53, (2006), **ISSN-0972-3498.**
24. **K.S.Rawat & G.P. Silswal:** The study of Einstein Kaehlerian bi-recurrent and bi-symmetric spaces , *Acta Cien. Ind.*, Vol. XXXII M, No.1, 417-422 (2006 ). **ISSN- 0970-0455**
25. **K.S.Rawat & G.P. Silswal:** Decomposition of recurrent curvature fields in a Tachibana space, *Jour. PAS* , Vol. 13 ( Ser. A ) , 13-17 (2007) . **ISSN- 0972-3498**
26. **K.S.Rawat & Girish Dobhal:** Some theorems on decomposition in a Tachibana recurrent space , *Jour. PAS*, Vol. 13 ( Ser. A ) , 458-464 (2007). **ISSN- 0972-3498**
27. **K.S.Rawat & Girish Dobhal :** Some properties in a Kaehlerian space , *Acta Cien. Ind.*, Vol. XXXIII M, No. 2 , 487-491 (2007). **ISSN- 0970-0455**
28. **K.S.Rawat & Girish Dobhal :** The study of decomposition in a Kaehlerian recurrent space, *Acta Cien. Ind.*, Vol. XXXIII M , No. 4 , 1341-1345 (2007). **ISSN- 0970-0455**
29. **K.S.Rawat & Girish Dobhal :** Some theorems on decomposition in a Kaehlerian recurrent space , *Acta Cien. Ind.*, Vol. XXXIII M ,No. 4 ,1347-1350 (2007). **ISSN- 0970-0455**
30. **K.S. Rawat & Girish Dobhal :** Einstein-Kaehlerian bi-recurrent space , *Acta Cien. Ind.*, Vol. XXXIII M , No. 4, 1367-1370 (2007). **ISSN- 0970-0455**
31. **K.S.Rawat & Girish Dobhal :** On the bi-recurrent Bochner curvature tensor, *Jour .of the Tensor Society* , Vol. 1 , 33-40 (2007). **ISSN-0974-5428.**
32. **K. S. Rawat & G.P. Silswal :** Notes on totally real sub manifolds of a Kaehlerian manifold , *Jour. PAS* , Vol. 14 ( Mathematical Sciences),157-163 (2008).**ISSN-0972-3498.**
33. **K.S.Rawat & Kunwar Singh:** Some bi-recurrence properties in a Kaehlerian space , *Jour.PAS*, Vol. 14 (Mathematical Sciences) ,199-205 (2008). **ISSN-0972-3498.**
34. **K.S.Rawat & Girish Dobhal :** Study of the decomposition of recurrent curvature tensor fields in a Kaehlerian recurrent space , *Jour. Pure and Applied Mathematika Sciences* , Vol. LXVIII, No.1-2 , Sept. (2008). **ISSN-0379-3168.**

35. **K.S.Rawat & G.P. Silswal** : The study of Union Curves in an Almost Tachibana Hyper surface , *Acta Cien. Ind.* Vol. XXXIV M , No. 2 , 779-788 (2008). **ISSN- 0970-0455**
36. **K.S.Rawat & Virendra Prasad** : Some recurrent and symmetric properties in an Almost Kaehlerian space , *Jour. PAS* , Vol. 14 (Mathematical Sciences) , 283-288 (2008). **ISSN- 0972-3498.**
37. **K.S.Rawat & Girish Dobhal** : Projective Motion in a Tachibana symmetric space, *Acta Cien. Ind.*, Vol. XXXIV M , No.3 , 1105-1108 (2008). **ISSN- 0970-0455.**
38. **K.S.Rawat & Girish Dobhal** : On the existence of Affine Motion in a Tachibana spaces , *Acta Cien. Ind.* Vol. XXXIV M , No. 3 , 1145-1152 (2008). **ISSN-0970-0455.**
39. **K.S. Rawat & Girish Dobhal** : Some investigations in Kaehlerian Manifold , *Impact Jour. Science Tech., FIJI ISLANDS* , Vol. 2(3) , 129-134 (2008). **ISSN-0973-8290.**
40. **K.S.Rawat & Girish Dobhal** : Bi-recurrent and Bi-symmetric Concircular curvature tensor of Riemannian spaces , *Jour. PAS*, Vol. 15 (Mathematical Sciences), 54-60 (2009). **ISSN-0972-3498.**
41. **K.S.Rawat & G.P. Silswal** : Theory of Lie-derivatives and Motions in Tachibana spaces , *News Bull. Cal. Math. Soc.* , 32, (1-3) , 15-20 (2009) . **ISSN-0008-0659.**
42. **K.S. Rawat & Virendra Prasad** : Some theorems on Kaehlerian Conharmonic bi-recurrent spaces , *Acta Cien. Ind.*, Vol. XXXV M , No. 2 , 417-421 (2009). **ISSN-0970-0455, MR 2666522.**
43. **K.S.Rawat & Kunwar Singh** : The study of decomposition of curvature tensor fields in a Kaehlerian recurrent space of first order , *Jour. of the Tensor Society* , Vol. 3 , 11-28 ( 2009) **ISSN-0974-5428, MR 2567069 .**
44. **K.S.Rawat & Kunwar Singh** : Existence of Affine Motion in the recurrent Hermite space of first order , *Jour. PAS* , Vol. 15 ( Mathematical Sciences ) , 389-395 (2009). **ISSN 0972-3498.**
45. **K.S.Rawat & Virendra Prasad** : On Lie-derivatives of Scalars , Vectors and Tensors , *Pure and Applied Mathematika Sciences*, Vol. LXX, No. 1-2 , 135-140, Sept (2009). **ISSN-0379-3168.**
46. **K.S.Rawat & Kunwar Singh** : The study of decomposition in a Tachibana recurrent space , *Jour. PAS* , Vol. 15 ( Mathematical Sciences ) , 430-436 (2009). **ISSN-0972-3498**
47. **K.S.Rawat & Girish Dobhal** : On Bi-recurrent and Bi-symmetric manifold , *Reflection des ERA-Jour. of Mathematical Sciences (An International quarterly Periodical of Science )* , Vol. 4(4) , 313-322 (2009). **ISSN-0973-4597.**
48. **K.S.Rawat & Girish Dobhal** : On Einstein- Kaehlerian s-recurrent space , *International Transactions in Mathematical Sciences and Computer* , Vol. 2 , No.2 , 339-343 (2009). **ISSN-0974-5068.**
49. **K.S.Rawat & Girish Dobhal** : On Kaehlerian space with recurrent and symmetric Bochner curvature tensor , *Acta Cien. Ind.*, Vol. XXXV M , No. 3 , 857-861 (2009). **ISSN-0970-0455.**
50. **K.S.Rawat & Kunwar Singh** : Decomposition of curvature tensor fields in a Tachibana first order recurrent space , *Acta Cien. Ind.*, Vol. XXXV M , No. 3 , 1081-1085 (2009). **ISSN-0970-0455.**
51. **K.S.Rawat & Girish Dobhal** : Decomposition of recurrent curvature tensor field in Tachibana space , *International Transactions in Applied Sciences*, Vol.1, No. 4 , 603-608 (2009) . **ISSN-0974-7273.**

52. **K.S.Rawat & Mukesh Kumar** : On curvature Collineations in a Tachibana recurrent space , *Aligarh Bull. Math.* , 28 No. 1-2 , 63-69 (2009) , **ISSN-0304-9787** , **MR 2769016**.
53. **K.S.Rawat & Nitin Uniyal** : Study on Kaehlerian recurrent and symmetric spaces of second order , *Jour. of Tensor Society* , Vol. 4 , 69-76 (2010). **ISSN-0974-5428**.
54. **K.S.Rawat & Virendra Prasad** : Einstein Kaehlerian recurrent space of second order , *Jour. of Tensor Society* , Vol. 4 , 87-92 (2010) . **ISSN-0974-5428**.
55. **K.S.Rawat & Virendra Prasad** : On holomorphically Projectively flat Parabolically Kaehlerian spaces , *Rev. Bull. Cal. Math. Soc.*, 18, (1), 21-26 (2010). **ISSN-0008-0659**.
56. **K.S.Rawat & Virendra Prasad**: The study of Kaehlerian Conharmonic bi-symmetric spaces , *Acta Cien. Ind.*, vol. XXXVI M, No. 4 , 737-741 (2010). **ISSN-0970-0455**.
57. **K.S.Rawat & Mukesh Kumar** : On Weyl-Sasakian bi-recurrent and bi-symmetric spaces , *Jour. PAS.*, Vol. 16 ( Mathematical Sciences ) , 484-492 (2010) . **ISSN-0972-3498**.
58. **K.S.Rawat & Nitin Uniyal** : On Infinitesimal Conformal and Projective transformations of K-space and Kaehlerian recurrent space , *International Trans. in Mathematical Scien. and Comp.* ,Vol. 3 , No. 2 , 205-213, July (2010 ).**ISSN-0974-5068**.
59. **K.S.Rawat & Girish Dobhal** : The study of Tachibana bi-recurrent spaces , *Antarctica Jour. Math.*, 7(4) , 413 -420 (2010). **ISSN-0972-8643**.
60. **K.S.Rawat & Nitin Uniyal** : On decomposition of curvature tensor fields in a Tachibana recurrent space of first order , *Inter. Trans. in Mathematical Scien. and Comp.*, Vol. 3 , No. 1 , 155-160 ( 2010). **ISSN-0974-5068**.
61. **K.S. Rawat** , Virendra Prasad & Girish Dobhal : Some bi-recurrent properties of Kaehlerian space , *Inter. Trans. in Mathematical Scien. and Comp.* Vol. 3 , No. 1 , 159-154 (2010). **ISSN-0974-5068**.
62. **K.S.Rawat & Mukesh Kumar** : On Hyper surfaces of a Conformally Flat Kaehlerian recurrent space , *Jour. Pure and Applied Mathematika sciences* , Vol. LXXIII , No. 1 -2 , 7-13 ,March (2011). **ISSN-0379-3168**.
63. **K.S. Rawat**, Mukesh Kumar & Nitin Uniyal: On Kaehlerian recurrent and symmetric manifold of second order , *Jour. PAS* , Vol. 17 ( Mathematical Sciences ) , 141-148 (2011). **ISSN-0972-3498**.
64. **K.S.Rawat & Nitin Uniyal**: Study on p-recurrent and p-symmetric spaces, *Acta Cien. Ind.*,
65. **K.S.Rawat & Mukesh Kumar**: On Kaehlerian bi-recurrent and bi-symmetric spaces with Tachibana Concircular curvature tensor , *Acta Cien. Ind.*, Vol. XXXVII M , No. 3 , 641-648( 2011). **ISSN-0970-0455**.
66. **K.S.Rawat & Nitin Uniyal**: On Conformal Transformation in an Almost Kaehlerian and Kaehlerian Spaces , *Jour. of Progressive Science*, Vol. 2 , No.2,138-141(2011), **ISSN-0976- 4933**.
67. **K.S.Rawat & Nitin Uniyal** : Lie-Derivative of a Linear Connexion and Various Kinds of Motions in a Kaehlerian Recurrent Space of First Order, *Journal of International Academy of Physical Sciences*, Vol. 15, No. 4 , 467-478 (2011). **ISSN - 0974- 9373**.

68. **K.S.Rawat** & Nitin Uniyal : On decomposition of curvature tensor fields in a Kaehlerian recurrent space of first order , *Jnanabha ( Jour. of The Vijnana Parishad of India )* , Vol. 41 , 27-32 ( 2011) . **ISSN- 0304-9892.**
69. **K.S.Rawat** & Mukesh Kumar : An Almost Product and Almost Decomposable bi-recurrent and bi-Symmetric Manifold , *International Trans. in Mathematical Sciences and Computers*, Vol. 4 , No. 2 , 397 - 404 ( 2011 ). **ISSN- 0975-3753.**
70. **K.S.Rawat** & Mukesh Kumar: Motions in a Riemannian space and some integrability Conditions, *Ultra Scientist of Physical Sciences (An International Journal of Physical Sciences)*, Vol. 24 (1) A, 9-14 (2012), **ISSN-0970-9150.**
71. **K.S.Rawat** & Nitin Uniyal : Infinitesimal transformations of compact K-spaces with Vanishing k , *Acta Ciencia Indica* ,Vol. XXXVIII M , No. 2 , 195-200 (2012). **ISSN - 0970-0455.**
72. **K.S.Rawat** , Mukesh Kumar & Nitin Uniyal : On Hyperbolically Kaehlerian bi-recurrent and bi-symmetric spaces , *IOSR Journal of Mathematics (IOSRJM)*, Vol. 1 , Issue 2 , 28-31( 2012) , **ISSN: 2278-5728 . ( Included in NASA Database )**
73. **K.S.Rawat** & Nitin Uniyal : Decomposition of curvature tensor field in a Tachibana recurrent space , *Ultra Scientist of Physical Sciences (An International Journal of Physical Sciences)*, Vol. 24 (2) A, 424-428 (2012), **ISSN-0970-9150**
74. **K.S.Rawat** & Mukesh Nautiyal : Study on Homothetic motions in Conformally related Spaces, *Jour. of Progressive Science*, Vol. 03, No. 01, 54 - 59 (2012), **ISSN-0976- 4933.**
75. **K.S.Rawat**, Nitin Uniyal & Mukesh Kumar: On Einstein Kaehlerian Recurrent and Symmetric Spaces of Second Order, *IOSR Journal of Mathematics (IOSRJM)*, Vol. 1, Issue 5, 39 - 42 (2012), **ISSN: 2278-5728. ( Included in NASA Database )**
76. **K.S.Rawat** & Kunwar Singh : Some investigations in Kaehlerian Tachibana H-Concircular recurrent and symmetric spaces of Second Order, *Acta Ciencia Indica* , Vol. XXXVIII M , No. 4 , 687- 694 (2012) , **ISSN - 0970-0455.**
77. **K.S.Rawat** & Nitin Uniyal : Decomposition of curvature tensor fields in a Tachibana recurrent space of first order , *Ultra Scientist of Physical Sciences (An International Journal of Physical Sciences)*, Vol. 25 (1) A, 43-46 (2013), **ISSN-0970-9150 IF-2.70**
78. **K.S.Rawat** & Mukesh Kumar : Theorems on Special, Union and Hyper-asymptotic curves of a Tachibana recurrent hyper surface , *Ultra Scientist of Physical Sciences ( An International Journal of Physical Sciences )*, Vol. 25 (2) A , 235- 240 ( 2013 ) . **IF-2.70**
79. **K.S. Rawat:** Study on Sasakian space with recurrent and symmetric Bochner curvature tensor of second order, *Jour. PAS, Vol.20 (Mathematical Science)* ,98-105 (2014), **ISSN-0972-3498.**
80. **K.S. Rawat:** On Einstein-Sasakian holomorphically conformal bi-recurrent and bi-symmetric spaces, *Jour. of Progressive Science*, Vol. 5, No. 2, 98-103 (2014). **ISSN-0976- 4933.**
81. **K.S. Rawat:** Kaehlerian Weyl-Conformal and Weyl- Concircular recurrent and symmetric spaces of second order, *Acta Cien. Ind.* Vol. XLI M, No.1, pp 01-07 (2015). **ISSN - 0970-0455.**
82. **K.S.Rawat** & Virendra Prasad : Linear connexions in a Complex spaces and curvature in Pseudo - Kaehlerian space , *Jour. PAS*, Vol.22 , pp 46-51 (2016), **ISSN- 0972- 3498.**



- 83. K.S.Rawat & Sandeep Chauhan :** Study on Hyperbolically Sasakian Recurrent and symmetric Spaces of Second order , Inter. Jour. of current research, vol. 09, Issue 07, 53489-53494, July (2017), **ISSN-0975-833X. IF 7.086**
- 84. K.S.Rawat & Sandeep Chauhan :** On Weyl Conircular and Weyl-Conharmonic Sasakian recurrent and symmetric spaces of second order, Inter. Jour. of Mathematics Trends and Technology (IJMTT), Vol. 48, No. 4 , 240-244 , August (2017), **ISSN- 2231-5373. IF-2.53**
- 85. K.S. Rawat & Sandeep Chauhan:** Study on semi - conformal Kaehlerian recurrent and Symmetric spaces of second order , Asian jour. of Science and Technology, Vol. 08, Issue 11, pp. 6320-6323, Nov. (2017). **ISSN-0976-3376 IF-6.315**
- 86. K.S. Rawat & Sandeep Chauhan:** Study on Einstein- Kaehlerian Decomposable Recurrent Space of first order , Inter. Jour. of current research, vol. 09, Issue 12, 63136-63141, December (2017), **ISSN-0975-833X. IF 7.086**

### **Conferences / Seminars / Symposium / Workshop Attended**

1. Third Annual Conference of Vijana Parishad of India

and

National Symposium on Ancient Science in India,

Organized by

Department of Mathematics, H.N.B.Garhwal University, Srinagar (Garhwal ),

May 25-26,(1993).

2. NSC Acquaintance Programme, Organized by

Department of Physics, H.N.B.Garhwal University Campus Badshahi Thaul Tehri (Garhwal) , 10<sup>th</sup> October (2003) .

3. Fifteenth National Symposium on Solid state Nuclear Track Detectors and their applications , Organized by

Department of Physics, H.N.B.Garhwal University Campus Badshahi Thaul Tehri (Garhwal) , June 21-23 ( 2007 ) .

4. Workshop On Career Counseling at OTA Kamptee , Organized by

OTA Kamptee , Counseled by , Usha Albuquerque , Director Careers Smart , New Delhi , India , March 05-07 (2008) .

5. National Conference of the Tensor Society

on

- Development of Differential Geometry, October 2-3 , (2009) , Rishikesh
6. Seminar on Intellectual property and Innovation Management in Knowledge Era  
Organized by  
Uttarakhand State Council for Science & Technology  
and  
National Research Development Corporation, 23<sup>rd</sup> October (2009), New Tehri
  7. 2<sup>nd</sup> National Symposium under UGC-SAP (DRS-I) Programme  
on  
Modern Trends in Differential Geometry and Mathematical Modeling in Bio-Sciences,  
Organized By  
Department of Mathematics, Lucknow University, Lucknow, India .  
on January 09-10, ( 2010 )
  8. Workshop on AIDS Awareness Organized by NSS and Red Ribbon Club, H .N.B.  
Garhwal University Campus Badshahi Thaul Tehri (Garhwal) on 12<sup>th</sup> March (2010).
  9. National Conference on Recent Trends in Pure & Applied Mathematics ( CORTPAM  
-2010), Organized by  
Department of Mathematics and Statistics, DDU Gorakhpur University Gorakhpur (U.P. )  
India, on July 24-25 (2010).
  10. UGC Sponsored National Workshop in Mathematics on the theme Emerging Areas of  
Applications of Mathematics Organized by  
Department of Mathematics, B.C.S. Govt. P.G. College, Dhamtari (Chattisgarh) on  
October 26-28 (2010) .
  11. National Workshop on Optimization Theory and Practices Organized by  
Department of Mathematics, Kumaun University , S.S.J Campus Almora ,Uttarakhand ,  
on November , 15-19 , ( 2010 ).
  12. State level Workshop on Role, Contribution and Strategies of Internal Quality  
Assurance System in Affiliated Colleges of Uttarakhand Organized by  
B.S.M. P. G. College Roorkee, Hardwar Uttarakhand, on February 25-26 (2011) .
  13. International Colloquium on History of Mathematical Sciences & Symposium on Non  
-linear analysis Organized by  
Department of Mathematics, Kumaun University, S.S.J. Campus Almora, Uttarakhand &  
Indian Society for History of Mathematics, on May 16-19, ( 2011 ).
  14. 13<sup>th</sup> International Conference of the International Academy of Physical Sciences on  
Emerging Interfaces of Physical Sciences and Technology Organized by  
University of Petroleum and Energy Studies , Dehradun , Uttarakhand , India , on June 14-16 ,  
(2011) .

15. 4<sup>th</sup> Annual Conference of the Tensor Society On Application of Tensors and Differential Geometry in Engineering and Physical Sciences Organized by  
Department of Mathematics, SRMGPC, Lucknow (U.P.), on October 08-09 , (2011) .
16. National Seminar on Empowerment Of Rural Women In Uttarakhand Status, Challenges and Solutions Organized by  
B.S.M., P.G. College, Roorkee, Hardwar , Uttarakhand , on October 14-15 ( 2011 ).
17. National Seminar on Women Education & Empowerment: Status and Prospects  
Organized by  
D.P.B.S.( P.G.) College Anoopshahar ( Bulandshahar) U.P. India on February 23-24 (2013).
18. National Seminar on Uttarakhand Disaster: Contemporary Issues of Climatic Change and Development with Holistic Approach  
Organized by  
Sri Dev Suman Uttarakhand University, Badshahi Thaul, Tehri Garhwal, Uttarakhand India, on 25-27 October (2013).
19. International Conference on Differential Geometry and Relativity ( **ICDGR-2013** )  
Organized by  
The Tensor Society and Department of Mathematics & Statistics  
D.D.U. Gorakhpur University, Gorakhpur (U.P.), India, On 09- 11 November (2013).
20. Annual National Conference of **The Mathematical Society Banaras Hindu University** on Recent Trends in Mathematical Modelling and Simulations  
Organized by  
Department of Mathematics, Faculty of Science  
Banaras Hindu University, Varanasi- 221005 (U.P.), India, on February 3-4, (2014).
21. National Conference on **“Differential Geometry and its Applications (DGACON2014)”**  
Organized by  
Department of Mathematics, University of Allahabad, India, Allahabad-211002 on December 27-28 (2014).
22. National Conference On **Advances in Mathematical Sciences and its Applications**  
Jointly organized by  
Indian Society of mathematics and mathematical Sciences  
And

Department of mathematics and Statistics

D.D.U. Gorakhpur University, Gorakhpur (U. P.) on Feb. 20-21, (2015).

**23.**UGC sponsored National Seminar on **Contribution of Ancient Indian Mathematicians & Its Uses in present Age** Organized by

Department of Mathematics Govt. Dr. B.S.B.A. College Dongargaon (C.G.), on 22-23 January(2016).

**24.** 19<sup>th</sup> Annual Conference of Vijnana Parishad of India on ***Recent Advances in Mathematics and Mathematical Sciences and their Applications*** (Dedicated to Prof. S.L. Singh) on November 10-12 , 2016 Organized by Dept. of Mathematics, H.N.B.Garhwal University (A Central University ) B G R Campus , Pauri (Garhwal) Uttarakhand, India.

**25.** National Conference on **“Differential Geometry and general relativity (NCDGGR-2017)** on 28-29 November 2017 jointly Organized by Department of mathematics, Sardar Patel University , Vallabh Vidyanagar, Gujrat and The Tensor Society

### **Orientation Programme**

1. 58<sup>th</sup> four week Orientation Programme  
( From 3<sup>rd</sup> April to 01st May 2002 )  
In  
Academic Staff College, Jamia Millia Islamia, New Delhi, India.

### **Refresher Courses**

1. 9<sup>th</sup> 3- week Refresher Course in Mathematics  
( From 07 Nov. to 27 Nov. 2006 ) in  
Academic Staff College, Jamia Millia Islamia, New Delhi , India .

2. 3 week Refresher Course in Mathematics  
( From 18 Nov. to 08 Dec. 2007 ) in  
UGC Academic Staff College , Aligarh Muslim University , Aligarh , ( U.P.), India.

### **Paper Presented / Talk Delivered**

1. A note on decomposition in a Kaehlerian recurrent space  
Presented in  
Third Annual Conference of Vijana Parishad of India ( May 25-26 , 1993 ).  
Department of Mathematics, H.N.B.Garhwal University Srinagar (Garhwal )
2. Issues and Problems in Higher Education  
Presented and Submitted in  
Academic Staff College, Jamia Millia Islamia, New Delhi , India.  
During 58<sup>th</sup> four week orientation Programmed ( 3<sup>rd</sup> April to 1st May 2002)
3. The decomposition of recurrent curvature tensor fields in a Kaehlerian space  
Presented and Submitted in  
Academic Staff College, Jamia Millia Islamia, New Delhi, India .  
During 3- week Refresher Course in Mathematics ( 07-27 Nov. 2006).
4. The decomposition of curvature tensor fields in a Kaehlerian recurrent space  
Presented and Submitted in  
UGC Academic Staff College, Aligarh Muslim University, Aligarh ( U.P.)  
During SRC-283 in Mathematics ( from 18 Nov. to 08 Dec. 2007 ).
5. On Einstein - Kaehlerian Recurrent and Symmetric Spaces of Second Order  
Presented / Delivered a Talk in  
National Conference of the Tensor Society ( October 2-3 , 2009 ), Rishikesh ,  
Uttarakhand.
6. Delivered a talk on Lie-derivatives of scalars ,vectors and tensors  
During 2<sup>nd</sup> National Symposium under UGC-SAP ( DRS-I ) Programme , in the  
Department of Mathematics, Lucknow University, Lucknow , on Jan. 09-10 , (2010).
7. Motions in a Riemannian space and some integrability conditions  
Presented in the  
National conference of the National Academy of Mathematics,  
Department of Mathematics, DDU Gorakhpur University, Gorakhpur on July  
24-25,( 2010 ).
8. Delivered a talk in UGC sponsored National workshop in Mathematics on the theme  
Emerging areas of Applications of mathematics Organized by  
Department of Mathematics, B.C.S. Govt. P.G. College, Dhamtari ( Chhattisgarh ),  
on October 26-28 , ( 2010).
9. Issues and Problems in Higher Education Quality Assurance,  
During State Level Workshop, Organized by  
B.S.M.P.G. College Roorkee, Hardwar ( Uttarakhand ) , on Feb. 25-26

(2011).

- 10.** Lie derivative of a Linear Connexion and various kinds of motions in a Kaehlerian recurrent space of first order

Presented in

International Colloquium on History of Mathematical Sciences & Symposium  
On Non Linear Analysis, Organized by  
Department of Mathematics, Kumaun University, S.S.J. Campus Almora,  
Uttarakhand & Indian Society for History of Mathematics, on May 16-19, ( 2011) .

- 11.** An Almost Product and Almost Decomposable bi-recurrent and bi-symmetric manifold

Presented in

13<sup>th</sup> International Conference of the International Academy of Physical  
Sciences, Organized by  
Department of Mathematics, University of Petroleum and Energy Studies ,  
Dehradun, Uttarakhand, on June 14-16 (2011).

- 12.** On Hyper-Asymptotic Curves of a Kaehlerian Recurrent Hyper surface

Presented in

4<sup>th</sup> Annual Conference of the Tensor Society on Application of Tensors and  
Differential Geometry in Engineering and Physical Sciences Organized by  
Department of Mathematics, SRMGPC, Lucknow (U.P.) on October 08-09,  
(2011).

- 13.** Delivered a talk on “Rural Development and Women Empowerment”

During National Seminar on Empowerment of Rural Women in Uttarakhand  
Status, Challenges and Solutions, Organized by

B.S.M.P.G., College Roorkee (Uttarakhand) on October 14-15 , (2011).

- 14.** Delivered a talk & Presented a Paper on Promoting Gender Equality: Empowering  
Women Through Education During National Seminar on Women Education &

Empowerment: Status and Prospects, Organized by

D.P.B.S. (P. G. ) College Anoopshahar ( Bulandshahar) U.P. India. On February 23-24  
(2013).

- 15.** Presented a Paper on Disasters and their Management During National Seminar on

Uttarakhand Disaster: Contemporary Issues of Climatic Change and Development with  
Holistic Approach

Organized by

Sri Dev Suman Uttarakhand University, Badshahi Thaul, Tehri Garhwal , Uttarakhand,

India, on 25-27 October (2013).

16. Presented a paper on On Einstein - Sasakian Holomorphically Conformal Bi-recurrent and Bi-symmetric Spaces During International Conference on Differential Geometry and Relativity ( **ICDGR-2013** )

Organized by

The Tensor Society and Department of Mathematics & Statistics

D.D.U. Gorakhpur University, Gorakhpur (U.P.), India, On 09 - 11 November (2013).

17. Present a paper on Kaehlerian Weyl Conformal and Weyl-Concircular recurrent and symmetric spaces of Second order During Annual National Conference of **The Mathematical Society Banaras Hindu University** on Recent Trends in Mathematical Modelling and Simulations

Organized by

Department of Mathematics, Faculty of Science

Banaras Hindu University, Varanasi- 221005 (U.P.), India, on February 3 - 4, (2014).

18. Presented a paper on On Decomposition of Curvature Tensor Fields in Tachibana Recurrent Space of First Order During National Conference on “**Differential Geometry and its Applications (DGACON - 2014)**”

Organized by

Department of Mathematics, University of Allahabad, India, Allahabad-211002 on December 27-28 (2014).

19. Delivered an invited talk on Kaehlerian H-Projective, H- Concircular bi-recurrent and bi-symmetric spaces During National Conference On **Advances in Mathematical Sciences and its Applications**

Jointly organized by

Indian Society of mathematics and mathematical Sciences

And

Department of mathematics and Statistics

D.D.U. Gorakhpur University, Gorakhpur (U. P.) on Feb. 20-21 , (2015).

20. Delivered an Invited Talk on “**Srinivasa Ramanujan: A Great Mathematician in Present Age**” During UGC sponsored National Seminar on **Contribution of Ancient Indian Mathematicians & Its Uses in present Age** Organized by

Department of Mathematics Govt. Dr. B.S.B.A. College Dongargaon (C.G.) on 22-23 January (2016).

21. Delivered an Invited Talk on **Kaehlerian Space With Recurrent and Symmetric Holomorphically - Projective and H- Concircular curvature Tensor of Second Order**” during **19<sup>th</sup> Annual Conference of Vijnana Parishad of India on *Recent Advances in Mathematics and Mathematical Sciences and their Applications*** (Dedicated to Prof. S.L. Singh) November 10-12 , 2016 Organized by Dept. of Mathematics, H.N.B.Garhwal University (A Central University ) B G R Campus , Pauri (Garhwal) Uttarakhand, India.
22. Delivered an invited talk **Kaehlerian Bi-Recurrent and Bi- Symmetric Spaces with Holomorphically Projective and H- Concircular curvature Tensor ”** during National Conference on **Differential Geometry and general relativity (NCDGGR-2017)** on 28-29 November 2017 jointly Organized by Department of mathematics, Sardar Patel University , Vallabh Vidyanagar, Gujrat and The Tensor Society

### **Session Chaired**

1. Chaired a session during 4<sup>th</sup> Annual Conference of the Tensor Society on Application of Tensors and Differential Geometry in Engineering and Physical Sciences Organized by Department of Mathematics , SRMGPC, Lucknow (U.P.) on October 08-09, (2011).
2. Chaired a session during National Seminar on Empowerment of Rural Women in Uttarakhand Status, Challenges and Solutions, Organized by B.S.M.P.G., College Roorkee, (Uttarakhand ) on October 14-15 ,(2011).
3. Chaired a session during National Seminar on “Women Education & Empowerment: Status an Prospects, Organized by D.P.B.S. ( P.G. ) College Anoopshahar ( Bulandshahar ), U.P., India, On February 23-24 , (2013).
4. Chaired a session during International Conference on Differential Geometry and Relativity ( **ICDGR-2013** )  
Organized by  
The Tensor Society and Department of Mathematics & Statistics  
D.D.U. Gorakhpur University, Gorakhpur (U. P.), India, On 09- 11 November (2013).
5. Chaired a session During National Conference On **Advances in Mathematical Sciences and its Applications**  
Jointly organized by



Indian Society of mathematics and mathematical Sciences

And

Department of mathematics and Statistics

D.D.U. Gorakhpur University, Gorakhpur (U. P.) on Feb. 20-21, (2015).

6. Chaired a Session (I, II, III) During UGC sponsored National Seminar on **Contribution of Ancient Indian Mathematicians & Its Uses in present Age** Organized by Department of Mathematics Govt. Dr. B.S.B.A. College Dongargaon (C.G.) on 22-23 January (2016).
7. Chaired a Session During **19<sup>th</sup> Annual Conference of Vijnana Parishad of India on *Recent Advances in Mathematics and Mathematical Sciences and their Applications*** (Dedicated to Prof. S.L. Singh) November 10-12 , 2016 Organized by Dept. of Mathematics, H.N.B.Garhwal University (A Central University ) B G R Campus , Pauri (Garhwal) Uttarakhand, India.
8. Chaired a Session during National Conference on **Differential Geometry and general relativity (NCDGGR-2017)** on 28-29 November 2017 jointly Organized by Department of mathematics, Sardar Patel University , Vallabh Vidyanagar, Gujrat and The Tensor Society

### Books Published

- (i) A Text book of Calculus with Differential Equations  
- I<sup>st</sup> Edition 2001, ISBN-81-87815-68-X
- (ii) Differential Equations - I<sup>st</sup> Edition 2003, ISBN- 81-7625-380-4
- (iii) Higher Algebra - I<sup>st</sup> Edition 2003, ISBN- 81-7625-408-8
- (iv) Special Functions - I<sup>st</sup> Edition 2005, ISBN- 81- 89161-45-8
- (v) Trigonometry - I<sup>st</sup> Edition 2005, ISBN- 81-7625-591-2
- (vi) Differential Calculus - I<sup>st</sup> Edition 2006, ISBN- 8 1-89161- 82-2
- (vii) Integral Calculus - I<sup>st</sup> Edition 2006, ISBN-81-89161- 83- 0
- (viii) Vector Analysis - I<sup>st</sup> Edition 2008, ISBN- 978-81-7625-838-8
- (ix) Integral Calculus - I<sup>st</sup> Edition 2008, ISBN- 978-81-7625-839-5
- (x) Higher Integral Calculus - I<sup>st</sup> Edition 14, ISBN-978-81-930149-5-0

- (xi) Vector Calculus - 1<sup>st</sup> Edition 14, ISBN-978-81-930149-3-6
- (xii) Convergence and Divergence of Series 1<sup>st</sup> Edition 14, ISBN-978-81-930149-4-3
- (xiii) Integral Transforms - In Press
- (xiv) Mathematical Methods - In Press

### **Articles**

1. Revolutionizing Mathematics Education through Mathematics Laboratories Some weakness in Mathematics Education Today  
In University Magazine Himalokini ,pp.99-101, ( 1999-2000).
2. Aaj Ka Yuwa Ashantosh : In University Magazine Himalokini pp. 24-27  
( 2000-2003).

### **Administrative Experience**

1. Assistant Proctor: From 01/07/2000 to 30/06/2001.
2. Assistant Hostel Warden: From 04/12/2001 to 12/04/2004.
3. NCC Officer: From 01/10/2003 to 05-11-2016
4. As Head, Department of Mathematics , H.N.B.G.U. Campus Badshahi Thaul Tehri (Garhwal): From 14/11/2007 up to 02 Years
5. Member of Administrative Committee : H.N.B.G.U. Campus Badshahi Thaul Tehri (Garhwal): From 03/02/2010 to till date.
6. Head, Department of Mathematics, H.N.B.Garhwal University Campus Badshahi Thaul, Tehri ( Garhwal) from 01 October 2014 to till date.
7. Assistant proctor : From 01/ 07/ 2017 to

### **Membership of Professional Societies**

#### **Life Member of**

1. The Tensor Society of India
2. Bharat Ganita Parishad
3. Indian Mathematical Society
4. National Academy of Mathematics
5. Vijnana Parishad of India.

### **Member at University Level**

1. Member of advising committee (Himalokini) : During the year 1999-2000.
2. Member of Editorial Board (Himalokini) : During the year 2000-2003.

### **National Conference Organized**

1. Organized a National Conference of the Tensor Society on October 02-03 (2009).

### **Member of Journal**

1. Member of International Journal Editorial Board (As Joint Publicity Secretary).
2. Member of Executive Committee of the International Journal.

**Dr. K.S.Rawat**

### **Professor & Head**

Department of Mathematics  
H.N.B. Garhwal University  
Campus Badshahi Thaul  
Tehri Garhwal-249199  
Uttarakhand, India.

