

# CURRICULUM VITAE

**Name** : **Dr Rashmi**  
**Director** : Centre for Bioinformatics, College of Life Sciences & Santosh College of Teachers Training Education.  
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**Area of involvement:** Education (Bioinformatics, Biotechnology, Genetics, Molecular Biology & human Genetics. Legal)

**Name:** Rashmi

**Husband's name:** Mr Shashi Bhushan Prasad

**Nationality:** Indian

**Educational Qualification:**

1. Best Graduate and Gold Medalist (1979-1981) of Bihar University.
2. M.Sc Gold Medalist (1981-1983) of Bihar University.
3. Ph.D, Ranchi University

**Recognition & Awards:**

1. Best Graduate and Gold Medalist (1979-1981) of Bihar University.
2. M.Sc Gold Medalist (1981-1983) of Bihar University.
3. Awarded National Merit Scholarship for the period (1981-1983).

**Membership of Professional Society:**

- Ø Nominated member of Senate of Bihar University (1981-1982).
- Ø Member, Indian Botanical Society.
- Ø Member, Jharkhand High Court Legal Service Committee.
- Ø Member, Biotechnology Board, Jharkhand State.
- Ø Served as Assistant Co-ordinator, Biotechnology Department, Ranchi Women's College (1995-2000).
- Ø Served as National Service Scheme Officer at Ranchi Women's College (1999-2000).
- Ø Member, Rural Technology Park, Jharkhand Science & Technology Council, Jharkhand.
- Ø Life Member of Jharkhand Lawn-Tennis association.

- Ø Member Department of Biotechnology Board, Government of Jharkhand.
- Ø Member of Academic Council, Marwari College Ranchi (An Autonomous unit of Ranchi University)..
- Ø Vice President of Jharkhand Tennis Association
- Ø Member, Editorial News Hindusthan Samachar.
- Ø Empanelment of M.Phil/ PhD Supervisor/ Guide, **Jharkhand Rai University.**
- Ø Mediator, Mediation Centre, Civil Centre, Ranchi (JHALSA)
- Ø Member New Education Policy - Teacher Education by NCTE, Govt. of India
- Ø Co-ordinator Regional Consultative Meeting, Central Region on NEP 2016 - Teacher Education, organized by NCTE , New Delhi, Deptt. of higher and Technical Education, Govt. of Jharkhand.

Sl. No	Year	Topic of Publication:	Team Associates
1.	1987	Mutagenic effect of EMS in combination with MNNG in Barely In Natl.Sys. Of The Soc. Zof Cyto. And Genet, Bangalore.	Akhauri S.B, Rashmi
2.	1989	Effect of EMS and MNNG in germination and seedling injury on <i>Hordeum Vulgar</i> . XIV Annual Conference of Environmental Mutagenes Society of India.	Akhauri S.B, Rashmi
3.	1989	Induced pollen sterility by EMS, MNNG, Bavistin and Rogor on (IB 65). Bio Journal.(2): 103-108. of Radio-sensitivity in French beans ( <i>Phaseolus Vulgaris</i> L.) J. Cyto & Genet.	Akhauri S.B, Rashmi
4.	1998	Mutagenic Efficiency of Sodium Azise and N- Methyl N-Nitroguinidine in Barly ( <i>Hordem vulgare</i> ) In Natl . Symp . On cytogenesis. Res. In India - An appraisal Patna	Akhauri S.B, Rashmi
5.	1998	Cytological effect of water extract of <i>Moringa oleifera</i> On <i>Vicia Faba</i> root tip cells journal of Cytology and Genetics , 29 (1): 95-98.	Rashmi, Jha A.M, Singh A.C, Jha N.K
6.	1999	Effect of Chlor -alkali soil pollutant of paddy seed germination and its establishment In: Natl. Seminar on Damod Basin.	Rashmi, Chanchal kr. Choudhary,

			Vinita Vishwakarma
7.	2000	Lithium carbonate induced mitotic anomalies in vicia faba . American journal Psychiatry Page No.70-71, 2000, Chicago (USA).	Rashmi, Vinita Vishwakarma, Z.A Haider and Anil Kumar
8.	2000	Lithium Carbonate induced sterility in <i>Vicia Faba L.</i>	Rashmi, Vinita Vishwakarma, Z.A. Haider
9.	2003	Vaccines and its public Response - National Symposium, Ranchi	Rashmi,Hina Zafar, Sangeeta, O.P . Sinha
10.	2003	Data Needs and its Collection for Policy Making for Economics Development-National Symposium, Ranchi.	Rashmi, Vandana Bharti, Hakim Singh
11.	2003	Benefits of Human Genome Research- National Symposium Ranchi	Rashmi, Sushmita, Mahua, Swapnil
12.	2003	Bioinformatics in Cancer Therapy -National Symposium Ranchi.	Rashmi, Bina Mishra
13.	2003	Immunogenetics in Bioinformatics -National Symposium, Ranchi.	Rashmi, Shabana, Ila
14	2003	DNA Vaccine -National Symposium	Rashmi, Saroj
15	2003	Transgenic approaches to prevent Bovine Mastitis National Symposium, Ranchi.	Rashmi, Birendra Kumar, Swapnil Kishore
16	2003	Diagnosis of Coronary Heart Disease by Metabonomics - National Symposium Ranchi.	Rashmi, Anurag Kr.Sinha
17	2003	Molecular level of Allergy - National Symposium, Dec.2003, Ranchi.	Rashmi, Birendra Kr., A. Sunitha

18	2003	DNA or Protein Detections in Animal Feed and Livestock Products by Recent Techniques - National Symposium, Ranchi.	Rashmi, Birendra Kr. and A. Sangeeta Sinha
19	2003	Promising Cure for Anthrax -National Symposium, December, Ranchi	Rashmi, Kamlesh Kr. , Sangeeta Sinha
20	2003	Antibiotic from Space -National, Symposium, Ranchi.	Rashmi, Kamlesh, Swapnil and Sangeeta
22	2005	GM Crops and Biodiversity: What the fuss All About?	Dr.Rashmi, Vibha Pathak
23	2007	Drug formulation with Bioinformatics.	Dr.Rashmi, Vibha Pathak
24	2007	Euphrasia officinalis	Dr.Rashmi, Vibha Pathak
25	2008	Scientific Computing Through Bioinformatics	Dr.Rashmi, Vibha Pathak
26	2009	Poster Presentation on "Nanomedicine", (JNU)	Dr.Rashmi, Vibha Pathak
27	2010	Participated in Workshop Topic 'Application of Bioinformatics in Medical Science'at RMRI (ICMR) Patna.	Dr.Rashmi, Vibha Pathak
28	2011	In Silico prediction of 3d structure of $\beta$ amyloid using Homology modeling (Italy,venice)	Dr. Rashmi & Vibha Pathak
29	2012	Participated in Workshop Topic "Genomics"at IIT Delhi.	Dr. Rashmi & Vibha Pathak

#### **Seminars/ Symposia organized:**

1. Organized a National Seminar on "**Green chip Wealth of Jharkhand**" during March 14<sup>th</sup>-15<sup>th</sup>, 2003. H.E.Rama Jois, the then Governor of Jharkhand, was the Chief Guest. A large number of scientists of National and International repute attended and presented their papers.

2. Organized a National Symposium on "**Transition in Diagnostic Studies Through Biotechnology**" on December 14<sup>th</sup> - 15<sup>th</sup>, 2003. All India Council for Technical Education (A.I.C.T.E.), New Delhi, sponsored this symposium. A large number of doctors, scientists, academicians of National and International repute attended and presented papers. Students from schools and colleges were also active participants in this symposium.
3. Organized a National Symposium on "**Biodiversity in Relation to Traditional Medicines**" on December 14<sup>th</sup> - 15<sup>th</sup>, 2004. All India council for Technical Education (A.I.C.T.E), New Delhi, sponsored this Symposium. A large number of doctors, scientists, academicians of National and International Repute attended and presented papers. Students from schools and colleges were also active participants in this symposium
4. Organized a National Symposium on "**Molecular Biology and Biodiversity**" on June 6-7, 2005. This Symposium was sponsored by Indian National Academy, Science & Technology, New Delhi and Department of Biotechnology New Delhi.
5. Organized a National Symposium on "**Therapeutic Value of Traditional Medicines in the Treatment of Eye Diseases**" on 17<sup>th</sup> & 18<sup>th</sup> February 2007. This Symposium was sponsored by Department of Science & Technology, Jharkhand, Ranchi
6. Organized a ten days workshop on **Molecular Biology & its Applications** from 24<sup>th</sup> September to 4<sup>th</sup> October 2008.
7. Organized a workshop on "**Remedies of Malaria & Anemia through Tribal Technology**" on 17<sup>th</sup> & 18<sup>th</sup> December 2008.
8. Organized a workshop on "**Status Of Higher Education**" on 24<sup>th</sup> May 2009.
9. Organized a Seminar on "**Professional Studies**" on 17<sup>th</sup> - 18<sup>th</sup> February 2010.
10. Organized a workshop on "**Faculty Development Programme**" on 17<sup>th</sup> - 18<sup>th</sup> November 2011.
11. Organized a workshop on "**Herbal Medicine**" on 16<sup>th</sup> - 17<sup>th</sup> November 2012.
12. Organized a national level seminar on Engineering for Tribal/ Rural India & Globalization on 13<sup>th</sup> to 14<sup>th</sup> November 2014.

#### **Seminars / Courses Attended:**

1. Two Refresher courses attended in the field of Science and Technology.
2. One Orientation course in the field of education.

3. Attended a number of a National and International Seminars sponsored by various academic agencies.
4. Attended International Conference organized by the American Psychiatry Association, Chicago, USA during
5. Attended National Symposia in December 2003 and in June 2004,2005.

Publications: Appendix attached.

**Important contributions:**

Presented a paper entitled "Lithium carbonate induced mitotic anomalies in *Vicia faba L.*" in American Psychiatric Association held in Chicago 13-17 May 2000. This was highly appreciated by scientists present in the Seminar.

**Professionals Achievements:**

**1. Teaching:**

- 13 years teaching Genetics, Cytogenesis, Molecular Biology, Microbiology from Inter-Level,+2(CBSE) to Master Level and then two different vocational courses- Microbiology and Biotechnology in theory as well as practical.
  - Ph.D supervision : 2 students on the following topics have been awarded the Ph.D. Degrees of Ranchi University .
- One student is going to submit her Ph.D. thesis on the following topic shortly: Genetic studies in advance mutant lines of *Brassica juncea L*

**2. Research Experience**

1. Mutagenic Response of Finger Millet (*Eleusine corocana L.*) to gamma rays , EMS and their combination treatments.
2. Cytogenesis influence of Lithium carbonate and Sodium azide on Broad bean (*Vicia faba L.*).

**3.Book Release:**

Biotechnology For Sustainable Development: Achievements and challenges. A Commemoration Volume on the Occasion of the 75<sup>th</sup> Birth Anniversary of Prof.A.B.Prasad.

With forward by Proffessor M.S. Swaminathan, M.P (Rajya Sabha) and Padma Vibhushan .

Released By former President Dr. A.P. J Abdul Kalam.

**Editors:**

Rashmi, Seyed E hasnain ,Bhavanath Jha & R.N.Sharma.

## **Social Work:**

1. Director of the Trust **SNEH (Society for Nature Education & Health)**, which is active for the upliftment of the underprivileged and cater free education to them specially women. The prime areas of work are educating rural women, improving their health conditions Specially AIDS, awareness among villages and also in empowering urban women.
2. Founder of three colleges namely.
  - i) **Centre for Bioinformatics** (Approved by A.I.C.T.E. and affiliated to State Board of Technical Education, Jharkhand,Ranchi.
  - ii) **College of Life Sciences** (Affiliated to Ranchi University).
  - iii) **Santosh College of Teachers' Training Education** (Approved by NCTE and affiliated to Ranchi University.)

These colleges provide ample opportunities to the bright student of Jharkhand to pursue vocational courses in their own state, hence preventing migration of students to other States. In this Institution, students who are under privileged get a chance to study under the free ship scheme.

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