Brief Profile

- Full name: **Dr. Ravindra Kumar**
- Designation: Professor & Head, Department of Cell Biology

  Dean, College of Biotechnology
- Specialization: Plant Biotechnology, Finger Printing, MAS
- E-mail : kumarrk2000@yahoo.com
- Mobile No: 09410455496
- Date of birth: 15th July 1964

Educational Qualifications

Degree	Year	Subject	University/Institute
B.Sc.(Ag) &A.H	1984	Agriculture	C. S. Azad University of Ag. & Tech. Kanpur (U.P)
M.Sc.	1987	Plant Physiology	I.A.R.I, New Delhi
Ph.D.	1991	Plant Physiology	I.A.R.I, New Delhi
NET	1993	Plant Physiology	ASRB, New Delhi

Award/ / Fellowship

Name of the Award/ / Fellowship	Awarding Organization	Duration	Detail
Junior Research Fellowship	IARI, New Delhi, India	1985-87	Institutional Fellowship
Senior Research Fellowship	IARI, New Delhi, India	1987-91	Institutional Fellowship
Rockefeller foundation, U.S.A, fellowship	Rockefeller foundation, U.S.A	2002-04	To work at IRRI, Philippines as International Research Fellow, Grant No: 2002 FS014
SARC, Distinguished Scientist Award -2011	Scientific and Applied Research Centre, Meerut	2011	Conferred by Scientific and Applied Research Centre.

Employment Record & Experience:

Designation	Organization	Duration	
Research Associate	Water Technology Center Indian Agricultural Research Institute, New Delhi	March 1992	May 1994
Research Associate	National facility of Plant Tissue Culture, National Bureau of Plant Genetic Resources New Delhi	May 1994	Jan 95
Assistant Professor	Department of Plant Physiology, Indira Gandhi Agricultural University Raipur (C.G.).	7th Jan 1995	6th Jan 2004
Associate Professor	Department of Plant Physiology, Indira Gandhi Agricultural University Raipur (C.G.).	7th Jan 2004	18th April 2005
Associate Professor	Department of Cell Biology, College of Biotechnology, S.V.B.P. Uni. of Agri. & Tech, Meerut.	19th April 2005	30th June 2010
Professor	Department of Cell Biology, College of Biotechnology, S.V.B.P. Uni. of Agri. & Tech, Meerut.	1st July 2010	Continue

International Exposure:

S.No	Event	Country	Duration
1.	To attend Rainfed lowland Rice Research Consortium Symposium	Ubon Rice Research Station, Ubon, Thailand	17- 23 March 1996
2	To attend Rainfed lowland Rice Research Consortium Symposium.	Bangladesh Rice Research Institute, Dhaka, Bangladesh	26 - 28 May 1996
3	To attend training course on GXE analysis.	IRRI, Philippines	6 - 17 January 1997
4	To attend International Symposium on “Genetic improvement of rice for water limited environments”	IRRI, Philippines	1 - 3 December, 1998
5	To work on CHO remobilization estimation in IRRI Laboratory and to prepare research plans in IRRI supported project.	IRRI, Philippines	7th November – 4th December, 1999
6	To attend International workshop on “Improving tolerance to abiotic stresses in rainfed lowland rice”	IRRI, Philippines	21-22 October 2000
7	To attend International Rice Genetics Symposium.	IRRI, Philippines	23-27 October 2000
8	To study the dry matter partitioning under drought stress in rice.	IRRI, Philippines	15 May 8 July 2000
9	International workshop on “Progress toward developing resilient crops for drought prone areas”	IRRI, Philippines	27-30 May 2002
10	To study the CHO remobilization in rice under Drought conditions.	IRRI, Philippines	31 May– 30 June 2002
11	To work as International Research Fellow at IRRI, Philippines.	IRRI, Philippines	19th Sept 2002 – 15th June 2004

U.G / P.G Teaching: Plant Biotechnology, Cell Signaling, Seminar, IPR and its management in agriculture, Bio-Safety IPR Patents and Entrepreneurship, Cell and molecular biology, Advance techniques in Biotechnology etc.

Research Guidance of Students:

SN	Name of program	No of student guided	
		As Major Advisor	As member Advisory committee
1	B. Tech (Biotech) Final Year project	61	-
2	MSc. /M.Tech	19	50
3	Ph.D.	-	9

Other Duties:

- Worked as OIC Finger Printing, Cell Biology and Recombination Techniques departments.
- Currently working as Head Recombination Techniques department.
- Worked as member of University Purchase committee, University Technical committee, and Physical verification committees.
- Worked as Chairman University Technical committee and Security Committees.
- Different administrative works assigned by university administration.

Major Externally Funded Projects:

Title	Duration	PI/Co- PI	Funding Agency	Place
1.GXE interaction and selection studies for the identification of improved varieties for rainfed lowland.	1995-98	Co- PI	IRRI Philippines	IGAU Raipur
2. Role of stem Carbohydrate Remobilization in yield stability of rice under reproductive stage drought.	1999-01	PI	IRRI Philippines	IGAU Raipur
3. Trait and gene discovery to stabilize rice yields in drought prone environments.	2000-03	PI	BMZ & IRRI Philippines	IGAU Raipur
4. Biotechnological approaches for Genetic improvement of rice for drought and gall midge resistance. *(RF Grant 2000-FS 64).*	2000-04	Co- PI	Rockefeller foundation U.S.A	IGAU, Raipur & IRRI, Philippines
5. Field based screening protocols for Identifying cultivars suitable for aerobic rice.	2005-06	PI	IRRI Philippines	SVBPUA&T, Meerut
6. Development of aerobic rice using biotechnological tools.	2009-14	PI	RKVY Govt. of India	SVBPUA&T, Meerut

Publications

1	Research paper in journals (NAAS Accredited)	55
2	Lead papers (Full length paper published in seminar/ symposium proceedings)	12
3	Training/ Workshop/ Conference organized	4
4	Training/ Workshop/ Conference attended	20

List of important publications:

- **Kumar R,** Sarawgi AK, Ramos C, Amarante, ST, Ismail .M and Wade LJ. (2006). Partitioning of dry matter during drought stress in rainfed lowland rice. *Field Crop Research.* **96** (2-3): *455-465.*

- **Kumar R,** Venuprasad R, Atlin G.N. (2007). Genetic analysis of rainfed lowland rice drought tolerance under naturally occurring stress in eastern India: Heritability and QTL effects. *Field Crop Research.* **103**: 42-52.

- Singh A.K, **Kumar R,** Singh A, Bansal S, Singh D and Tomar A. (2011). Studies on genetic variability in Rice Using Molecular Markers. *Vegetos* **24** (1): 123-131.

- Yadav HK, **Kumar R** and Arora A. (2011). Studies on genetic diversity among rice genotypes using RAPD and SSR markers. *Indian J Plant physiol.* **16** :(3) 260- 265.

- **Kumar R**, Singh AK, Kumar A and Radha. (2012). Evaluation of genetic diversity in rice using simple sequence repeats (SSR) markers. *African Journal of Biotechnology* Vol. **11**(84):14988-14995.

- **Kumar, R**, Mahalwar,P., Sirohi, R., Jetthuri, K and Vivek, K (2014). Studies on genetic variabity in basmati and non basmati rice (*ORZYA SATIVA* L.) using RAPD markers. *Agriculture Science Digest***. 34** (3): 203 – 206.

- Kumar, S., Kumar M., **Kumar, R**., Chaudhary P., Kumar S (2015). Character association and path analysis study in chrysanthemum. *Int. J. Agricult. Stat. Sci.* **11**(1) :179-183.

- Sirohi U, Kumar M , Chauhan P, **Kumar R**, Chand P and Chaudhary V (2017). Morphological Variation and Genetic Distance in Tuberose (Polianthes tuberosa L.) Genotypes for Growth, Yield and Essential Oil Traits. *Chem Sci Rev Lett.* **6 (**24), 2086-2093.