

**15 -ാം കേരള നിയമസഭ**

**2 -ാം സമ്മേളനം**

**നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 1096**

**27-07-2021 - ൽ മറുപടിയ്ക്ക്**

**കേരള കാർഷിക സർവകലാശാല വി. സി. യുടെ യോഗ്യത**

ചോദ്യം		ഉത്തരം	
<b>ശ്രീ. സനീഷ്കുമാർ ജോസഫ്</b>		<b>Shri. P. Prasad (കൃഷി വകുപ്പ് മന്ത്രി)</b>	
(എ)	കേരള കാർഷിക സർവകലാശാല വി. സി. യുടെ യോഗ്യത വ്യാജമാണെന്ന ആക്ഷേപം സംബന്ധിച്ച് പരാതി ലഭിച്ചിട്ടുണ്ടോ; എങ്കിൽ ഇതിന്മേൽ എന്ത് അന്വേഷണമാണ് നിലവിൽ നടക്കുന്നതെന്ന് അറിയിക്കുമോ;	(എ)	കേരള കാർഷിക സർവകലാശാല വി.സി.യുടെ യോഗ്യത വ്യാജമാണെന്ന പരാതി സർക്കാരിൽ ലഭിച്ചിട്ടുണ്ട്. സർക്കാർ പ്രസ്തുത പരാതി പരിശോധിച്ചു വരികയാണ്. കേരള കാർഷിക സർവകലാശാല വൈസ് ചാൻസിലർ ഡോ.ആർ.ചന്ദ്രബാബു തന്റെ വിദ്യാഭ്യാസ യോഗ്യതകൾ സംബന്ധിച്ച് നൽകിയ വിശദാംശങ്ങൾ അനുബന്ധമായി ചേർക്കുന്നു.
(ബി)	നിലവിലെ കേരള കാർഷിക സർവകലാശാല വി. സി. യുടെ വിദ്യാഭ്യാസ യോഗ്യതകൾ വെളിപ്പെടുത്താമോ?	(ബി)	കേരള കാർഷിക സർവകലാശാല വി.സി.യുടെ യോഗ്യത വ്യാജമാണെന്ന പരാതി സർക്കാരിൽ ലഭിച്ചിട്ടുണ്ട്. സർക്കാർ പ്രസ്തുത പരാതി പരിശോധിച്ചു വരികയാണ്. കേരള കാർഷിക സർവകലാശാല വൈസ് ചാൻസിലർ ഡോ.ആർ.ചന്ദ്രബാബു തന്റെ വിദ്യാഭ്യാസ യോഗ്യതകൾ സംബന്ധിച്ച് നൽകിയ വിശദാംശങ്ങൾ അനുബന്ധമായി ചേർക്കുന്നു.

സെക്ഷൻ ഓഫീസർ

പതിനഞ്ചാം കേരള നിയമസഭ  
രണ്ടാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നമിടാത്ത ചോദ്യം നമ്പർ: 1096

27.07.2021 ൽ മറുപടി

കേരള കാർഷിക സർവകലാശാല വി. സി. യുടെ യോഗ്യത

ചോദ്യം

ശ്രീ. സനീഷ് കുമാർ ജോസഫ്

മറുപടി

ശ്രീ.പി. പ്രസാദ്

(ബഹു. കൃഷി വകുപ്പ് മന്ത്രി)

(എ) കേരള കാർഷിക സർവകലാശാല വി.സി.യുടെ യോഗ്യത വ്യാജമാണെന്ന ആക്ഷേപം സംബന്ധിച്ച് പരാതി ലഭിച്ചിട്ടുണ്ടോ; എങ്കിൽ ഇതിന്മേൽ എന്ത് അന്വേഷണമാണ് നിലവിൽ നടക്കുന്നതെന്ന് അറിയിക്കുമോ;

(ബി) നിലവിലെ കേരള കാർഷിക സർവകലാശാല വി. സി. യുടെ വിദ്യാഭ്യാസ യോഗ്യതകൾ വെളിപ്പെടുത്താമോ?

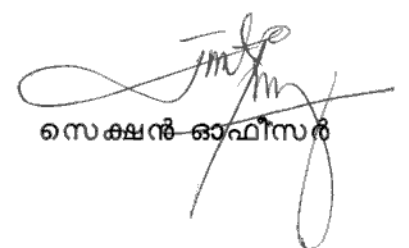
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കേരള കാർഷിക സർവകലാശാല വി.സി.യുടെ യോഗ്യത വ്യാജമാണെന്ന പരാതി സർക്കാരിൽ ലഭിച്ചിട്ടുണ്ട്. സർക്കാർ പ്രസ്തുത പരാതി പരിശോധിച്ചു വരികയാണ്. കേരള കാർഷിക സർവകലാശാല വൈസ് ചാൻസിലർ ഡോ.ആർ.ചന്ദ്രബാബു തന്റെ വിദ്യാഭ്യാസ യോഗ്യതകൾ സംബന്ധിച്ച് നൽകിയ വിശദാംശങ്ങൾ അനുബന്ധമായി ചേർക്കുന്നു.

  
സെക്ഷൻ ഓഫീസർ

**Brief Biodata of Prof. R. Chandra Babu, Vice Chancellor, KAU**

Prof R. Chandra Babu has a distinguished record of professional achievement with diverse experience through a successful career spanning 38 years in Tamil Nadu Agricultural University, Coimbatore before assuming office of the Vice Chancellor, Kerala Agricultural University. Prof Chandra Babu has master and doctoral degrees from Tamil Nadu Agricultural University. Dr. Chandra Babu did Post-doctoral study in Rice Biotechnology in Texas Tech University, USA as a Rockefeller Foundation Fellow. Dr. Babu was a Fulbright-Nehru Fellow in Cornell University, USA. Dr. Babu was a commissioned Adjunct Professor, University of Tokyo, Japan for more than 5 years and Visiting Scientist to several leading International Universities including University of Missouri, Columbia, Rutgers State University, USA and International Rice Research Insititute, Philippines. Dr Babu has rich global exposure in higher education and research. Dr Babu was instrumental in starting dual degree program between Cornell University, USA and TNAU, Coimbatore.

Dr Babu has executed several research projects mobilizing huge grants to TNAU, mentored 30 graduate and doctoral students and published about 100 papers in journals of national and international repute.

A brief Curriculum Vitae of Dr. R. Chandra Babu while assuming office of the Vice Chancellor, KAU is enclosed for kind perusal.



**Dr. R. CHANDRA BABU, Ph.D.**  
Vice-Chancellor  
Kerala Agricultural University  
Vellanikkara, Thrissur - 680 656

## Curriculum Vitae

### 1. General Information

<b>Name</b>	<b>Ranganathan CHANDRA BABU</b>
<b>Address</b>	R. Chandra Babu, Ph. D., Post-doc., (USA) Fulbright Fellow (Cornell University, USA) Vice-Chancellor Kerala Agricultural University Thrissur, Kerala State, India Zipcode: 680656

### 2. Educational Qualification

Qualification	University	Year	Subject(s) / Topic(s)	OGPA	Distinction
Post-doctoral study	Texas Tech University, Lubbock, Texas, USA	1994-1996	Rice Biotechnology	-	-
Ph.D.	Tamil Nadu Agricultural University, India	1990	Crop Physiology	4.00/4.00	Best Student of the University – Won 4 medals
M.Sc.	Tamil Nadu Agricultural University, India	1979	Plant Physiology	4.00/4.00	-
B.Sc.	University of Madras, India	1977	Botany	82%	Won Scholarship to pursue M.Sc.

### 3. Details of Professional Experience

Post Held	Organization	Nature of duties	Experience (In Years and Month)
Adjunct Professor	University of Tokyo, Japan	Research	5 Years
Director	Tamil Nadu Agricultural University, India	Leadership in Academics and Research in Life Sciences	4 Years 4 Months
Dean	Tamil Nadu Agricultural University, India	Leadership in Academics and Research in Agriculture, Forestry, Engineering, Management, Social Sciences	3 Years 4 Months
Professor	Tamil Nadu Agricultural University, India	Research and Teaching in Life Sciences	11 Years 9 Months



R. CHANDRA BABU

Associate Professor	Tamil Nadu Agricultural University, India	Research and Teaching in Life Sciences	4 Years and 9 Months
Assistant Professor	Tamil Nadu Agricultural University, India	Teaching and Research in Life Sciences	14 Years and 1 Months

**Total professional experience: 38 years**

#### 4. Administrative Experience

Post	Organization / University	Duration – D/M/Y		Duration (Year - Month)
		From	To	
University Officer	Director Centre for Plant Molecular Biology & Biotechnology, TNAU, India	1/6/2013	23/7/2017	4 Years
Dean	School of Post Graduate Studies, TNAU, India	10/3/2006	3/7/2009	3 Years 4 Months
	Member Research Council, TNAU, India	10/3/2006	3/7/2009	3 Years 4 Months
Member of Professional / Academic Bodies	Member, Deans' Committee, TNAU	10/3/2006	3/7/2009	3 Years 4 Months
	Member, Standing Committee, TNAU	10/3/2006	3/7/2009	3 Years 4 Months
	Member, Recognition Committee, TNAU	10/3/2006	3/7/2009	3 Years 4 Months
<b>Others (Specify)</b>				
Appellate Authority	TNAU, Coimbatore	2007	3/7/2009	2 Years 7 Months
Member-Secretary	Financial Management Committee, TNAU	2007	3/7/2009	2 Years 7 Months
Chairman	Agricultural Assistants Welfare Committee, TNAU	2007	3/7/2009	2 Years 7 Months
Fulbright Campus Representative	TNAU, Coimbatore & KAU, Thrissur	April 2016	Till Date	5 Years
Director, Students Welfare	TNAU, Coimbatore, India	August 2008	October 2008	3 Months

  
 Dr. R. G. NARAYANA BABU, Ph.D.  
 Coordinator

5. (a) Experience

Post	Organization / University	Duration		Experience (In Years and Months)
		From (Date)	To (Date)	
Adjunct Professor	University of Tokyo, Japan	April 2014	March 2019	5 Years
Professor (Biotechnology)	Dept. of Biotechnology, TNAU, Coimbatore	27/7/1998	31/10/2017	19 Years 3 Months
Associate Professor (Biotechnology)	Dept. of Biotechnology, TNAU, Coimbatore	18/8/1994	26/7/1998	3 Years 11 Months
Associate Professor (Crop Physiology)	Dept. of Crop Physiology, TNAU, Cbe.	27/10/1993	17/8/1994	9 Months
Assistant Professor	Dept. of Agronomy, TNAU, Coimbatore	28/5/1992	26/10/1993	9 Months
Assistant Professor	Palmyrah Research Center, Srivilliputtur	4/6/1990	27/5/1992	1 Years 11 Months
Assistant Professor	Dept. of Crop Physiology, TNAU, Cbe.	25/11/1989	3/6/1990	6 Months
Assistant Professor	School of Genetics, TNAU, Coimbatore	22/4/1986	24/11/1989	6 Years 7 Months

(b) Involvement with formulation of academic and research initiatives/capacities

Innovative Academic and Research Programs	Year
Establishment of Centre of Excellence in Biotechnology	2017
University Innovation Cluster in Biotechnology	2015
Centre for Excellence and Innovation in Biotechnology	2015
Dual Degree Masters Programs with Cornell University, USA in TNAU	2008
International Agriculture and Rural Development Course with Cornell University, USA in TNAU and KAU	2006 2018
Ph. D. in Agri-Business Management in TNAU	2008
PG Diploma course in Organic Agriculture, Capital and Commodity Markets in TNAU	2008

  
R. CHANDRABABU, Ph.D.

(c) Important academic and research collaborations

Nature	Institution	Year
Students and faculty exchange	University of Tokyo, Japan	2014
Dual Degree program	Cornell University, USA	2008
Students' academic research attachment	National Parks Board, Singapore	2008
Research training	University of California, Davis, USA	2017
Students' academic research exchange	International Rice Research Institute, Philippines	2015
Students' academic research exchange	Duke University, USA	2015
Students faculty exchange	Virginia Polytechnic Institute and State University, USA	2009
Faculty exchange	Durban University of Technology, South Africa	2008
University Innovation Cluster	BIRAC, Department of Biotechnology, India	2014

6. International Professional Experience

Post/ Assignment	Organization/ University	Area of Assignment	Duration		
			From	To	Year & month
Adjunct Professor	University of Tokyo, Japan	Natural Resources Conservation and Sustainable Use	2013	2018	5 years
Fulbright Scholar	Cornell University, USA	Translational genomics for drought resilience	Jan., 2012	Sept., 2012	9 months
Visiting Scientist	Rutgers State University, New Jersey, USA	Impact of Rockefeller Foundation's rice drought research program	Sept., 2011	Nov., 2011	3 months
Visiting Scientist	University of Missouri Columbia, USA	Rice: QTL mapping for drought resistance	April 2004	June 2004	3 months
Biotechnology Career Fellow	Texas Tech University, Lubbock, USA	Rice: marker-assisted breeding for drought resistance	1998, 2001		3 months / year

  
VIDRA BABU, Ph.D.

Post-doctoral study	Texas Tech University, Lubbock, USA	Rice Biotechnology	Aug., 1994	Aug., 1996	2 years
Visiting Scientist	Visited several universities for short period, <b>the list of visited universities is given below</b>		Dec 2001	Jan., 2017	Short Visits

	Organization	Area of Specialization
	1. Duke University, USA	Rice root system architecture
	2. Cornell University, USA	Dual degree programs in Biotechnology and Food Processing Leadership program
	3. University of California, Davis, USA	Medicinal values of local rice
	4. Rutgers State University, New Jersey, USA	Impact of Rockefeller Foundation's rice drought resistance research support
	5. University of Missouri-Columbia, USA	Rockefeller Foundation's International program in rice biotechnology: Rice drought resistance
	6. Texas Tech University, Lubbock, USA	Rice biotechnology: Microarray and proteomics
	7. University of Tokyo, Japan	Students and faculty exchange and improving rice water productivity
	8. International Rice Research Institute, Philippines	QTL mapping and marker assisted breeding for drought resistance in rice
Resource person	1. Chairman and Member, Core Committee, Biotechnology Consortium of Industries Ltd., DBT, New Delhi	Curriculum revision for 13 M.Sc., Biotechnology programs
	2. Member Selection Committee, ICAR Emeritus professorship	Selection of Emeritus Professors
	3. External expert: AP-Netherlands Biotech Program	M. Sc., & M.V.Sc., (Biotech) courses in APAU, Hyderabad

### 7. Scholarly achievements:

#### A. Publication:

i.	Original research articles (Total)	126
	(a) International	63


Dr. R.  BU, Ph.D.



	(b) National	63
ii.	Book chapters	5
iii.	Popular articles	32
iv.	Technical reports	4
v.	Conference/seminar papers (international)	80
vi.	Conference/seminar papers (national)	64
<b>Total</b>		<b>311</b>

**a. Selected Publications**

Year	Title	Journal
2019	Rajurkar et al. Saturation mapping of consistent QTLs for yield and days to flowering under drought using locally adapted landrace in rice. 88, 66-75.	NJAS- Wageningen J. Life Sciences, Netherlands
2018	Ramanathan et al. OsARD4 encoding an acireductone dioxygenase improves root architecture in rice by promoting development of secondary roots. 8(1), 1-15.	Nature Scientific Reports, UK
2017	Ramalingam et al. Functional Marker Assisted Improvement of Stable Cytoplasmic Male Sterile Lines of Rice for Bacterial Blight Resistance. 8, 1131.	Frontiers in Plant Science, Switzerland
2017	Singh et al. Depth of soil compaction predominantly affects rice yield reduction by reproductive-stage drought at varietal screening sites in Bangladesh, India, and Nepal., 1-16.	Plant and Soil Netherlands
2015	Wade et al. Environmental response and genomic regions correlated with rice root growth and yield under drought in the OryzaSNP panel across multiple study systems, 10(4): e0124127.	PLOS ONE, USA
2012	Raman et al. Drought yield index to select high yielding rice lines under different drought stress severities. 5:31	Rice, Germany
2011	Salunke et al. Fine mapping QTL for drought resistance traits in rice using bulk segregant analysis. 49: 90-95	Molecular Biotechnology Germany
2009	Praba et al. Identification of physiological traits underlying cultivar differences in drought tolerance in rice & wheat. 195:30-46	J Agronomy & Crop Science, Germany

  
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 Associate Professor

2008	Kamoshita et al. Phenotypic and genotypic analysis of drought-resistance traits for development of rice cultivars adapted to rainfed environments. 109: 1-23	Field Crops Research, Australia
2006	Manickavelu et al. Drought tolerance in rice: morphological and molecular consideration. 50: 121-138	Plant Growth Regulation Germany
2004	Babu et al. <i>HVA1</i> , a LEA gene from barley confers dehydration tolerance in transgenic rice through cell membrane protection. 166: 855-862	Plant Science, Elsevier
2003	Babu et al. Genetic analysis of drought resistance in rice by molecular markers: Association between secondary traits and field performance. 43: 1457- 1469	Crop Science, USA
2001	Zhang et al. Locating genomic regions associated with components of drought resistance in rice: Comparative mapping within and across species. 103: 19-29.	Theoretical and Applied Genetics, Germany
2001	Babu et al. Genetic variation in root penetration ability, osmotic adjustment and dehydration tolerance among rice lines adapted to rainfed lowland and upland ecosystems. 120: 233-238	Plant Breeding, Germany
2000	Zheng et al. QTLs for root penetration ability and root thickness in rice: Comparison of genetic backgrounds. 43: 53-61	Genome, Canada

**b. Participation and scholarly presentation in conferences:**

**II International: 30**

Date	Title of Conference or Institution	Title/ Subject of Presentation
17-20 July, 2014	ICABR 18 <sup>th</sup> Conference, Nairobi, Kenya	Benefits and cost of breeding rice for drought resistance
4 – 12 Feb., 2014	International Special Seminar, ANESC and Commissioned Professorship, University of Tokyo, Tokyo, Japan	Breeding for drought resistance in rice
Jan., 2008	Plant and Animal Genome Conference XVI, San Diego, USA	Deciphering drought genomics: Integrating rice & maize phenotype data on the rice genome backbone
22-24 Oct., 2007,	International Symposium on Genomics of Drought, Adelaide, Australia	QTLs linked to plant production traits in rice under drought stress in target environment.

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 Dr. R. C. ... BABU, Ph.D.


19-23 Nov., 2005	5 <sup>th</sup> International Rice Genetics Symposium, Manila, Philippines.	QTL mapping of drought resistance and yield in rice: comparison across genetic backgrounds.
24-28 Sep., 2005	InterDrought-II, Rome, Italy	Molecular mapping of drought tolerance traits in rice: New and future developments
31 Aug.- 3 Sept., 2004	1 <sup>st</sup> International Conference 'Rice for the future', Bangkok, Thailand.	Mapping quantitative trait loci linked to drought resistance traits using indica rice lines adapted to TPE
24-28 May, 2004	Resilient Crops for Water limited Environments, Cuernavaca, Mexico.	Mapping quantitative trait loci for drought tolerance in rice: Comparison across environments, genetic backgrounds & validation.
18-24 June, 2000	6 <sup>th</sup> International Congress of Plant Molecular Biology. Quebec, Canada	Molecular dissection of drought resistance in rice: from physio morphological traits to field performance
8-12 Sep., 1997	XVI <sup>th</sup> Asian Pacific Weed Science Conference, Singapore	Evaluation of herbicides for phytotoxicity and weed control in wet seeded lowland rice.

#### 8. Honours / Awards & Fellowships for Outstanding Work

Name of Award or Fellowship	Elected/ Honorary Fellow	Awarded by	Year
Emeritus scientist	Selected	ICAR (Awarded but not availed)	2018
Felicitatation Award for Contributing to Monsanto Beachell-Borlaug International Scholars Program	Honorary	Monsanto	2017
Commissioned Professorship	Selected	University of Tokyo	2014-2019
Fulbright Fellowship	Selected	US-India Education Foundation	2012
Best Researcher Award and Medal	Selected	Tamil Nadu Agricultural University	2003
Fellow of Indian Society for Pulses	Elected	Indian Society for Pulses Research	2000
Fellow of Indian Society for Plant Physiology	Elected	Indian Society for Plant Physiology	1998

  
 Dr. R. CHANDRA BABU, Ph.D.

Sri. N. Veeraraghavalu Shield and Medal	Selected	Madras Agricultural Students' Union	1994
AAAS (Senior) Medal	Selected	Indian Society for Plant Physiology	1993
Thiru Rao Birendra Singh Medal	Selected	Best student in Ph.D.	1990

  
Dr. R. BIRENDRA SINGH, Ph.D.  
Vice-Chancellor  
Kerala Agricultural University  
Vellanattur