



*Proceedings of 10th Brain Storming Session on
ICAR Model Act Revision
June 28-29, 2019*



Sponsored by

*Indian Agricultural Universities Association
New Delhi*

Organised by

*CSK Himachal Pradesh Krishi Vishwavidyalaya
Palampur*



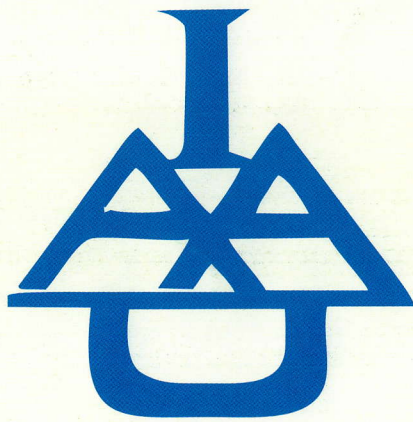
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International and National awards won by CSKHPKV Alumni, Faculty and Students

Awards	Number
All India Co-ordinated Research Project Best Centre Award	3
Best Krishi Vigyan Kendra Award	3
Hooker Award	2
Jawahar Lal Nehru Award	3
Fakhruddin Ali Ahmed Award	1
Hari Om Ashram Trust Award	1
International Visiting Scientist Award	11
Young Scientist Award	28
TSI-FAI Plant Nutrition Sulphur Biennial Award	1
Commonwealth Fellowship	8
Marie Curie EC Fellowship	1
DBT Overseas Associate ship	3
Indian National Science Academy Fellowship	2
Boyscast and other Fellowship of DST	5
Borlaug fellowship/ Wellcome Trust Post Doctral Research Fellowship	3
Group Study Exchange Fellowship to South America	1
National Agricultural Innovative Project (ICAR) Fellowship	5
Rai Bhadur Dr. Ramdhan Singh Memorial Trust Award	1
Fellow of Professional Societies and Academies	44
State Award & Himachal Kesri Award	10
NAAS Fellow	5
Best Ph.D. Thesis Award	4
ATSE CRAWFORD FELLOW	1
Fellows of Academies	3
British Chevening Scholarship	1
Raman Fellowship by UGC	1
Lead/ Key Note Speaker	20
International Grant for Higher Studies	7
Awards of Professional Societies	31
International Fellowship by Government of Israel for VPH workshop	4
International Grant for Higher Studies MEXT (Japanese Government Fellowship)/ Vavilov- Frankel Fellowship/ Mashav (Govt. Of Isreal) Fellowship	10



About the Host Institution

Himachal Pradesh Krishi Vishwavidyalaya (HPKV) was established by the then visionary Chief Minister of Himachal Pradesh, Hon'ble Shri Shanta Kumar Ji on 1st November, 1978. It was rechristened as Chaudhary Sarwan Kumar HPKV (CSK HPKV) on June, 2001. The University was mandated for imparting quality education in agriculture and allied disciplines of learning, undertaking need based research for the hill and mountain farmers of the State and further extension of such technologies to the stake holders. To achieve its mandates there are four constituent colleges (Agriculture, Veterinary & Animal Science, Basic Sciences and Community Science), a Directorate of Research and a Directorate of Extension Education. These Colleges offer six Bachelor, 23 Masters' and 15 Doctoral Degree Programmes. The University is marching by leaps and bounds towards excellence. It provided an encouraging work environment three years ago with the adoption of a resolution, "Respect Work, Work Hard and Create Work Culture". The outcome is discernible from i) University ranking at all India level improved from 23rd among Farm Universities to 11th position. ii) An all time high 2nd position among 75 State and Central Agricultural Universities in the Agricultural Research Services (ARS) examination in 2017. iii) An all time record number 193 students qualified national level competitive examinations like JRF, SRF, ICAR NET, UGC NET etc.

The University has played pivotal role in hill agricultural diversification. The University has established deep rooted connection with the farmers. The University takes pride in its alumni for their remarkable achievements in the field of teaching, research and extension. The alumni are serving in the line and allied departments of the State Governments such as Agriculture, Animal Husbandry, Horticulture etc. and have had contributed substantially in increasing the productivity of the agriculture and the related sectors. The alumni are also occupying the apex research management, administrative, academic and the statutory positions at State, National and International level. The present Chairman, Commission for Agriculture Costs and Prices (GOI), Chairman, Himachal Pradesh Public Service Commission, Director of Agriculture, Govt. of HP etc. are the proud alumni of the University. Besides, the University has produced ten Vice Chancellors and a number of IFS/ IAS/IPS/HAS/Defence personnels. The present Deputy Director General (Crop Sciences), Indian Council of Agricultural Research, New Delhi and Vice Chancellor, CSKHPKV, Palampur are also the proud alumni of the University.

Awards and Recognitions

The significant contributions made by the alumni, faculty and students have been recognised nationally and internationally in terms of awards and fellowships etc. The brief information of which is given below:



Contribution to Agriculture in Economy of Himachal Pradesh:

The contribution of agriculture and allied sectors in total State Domestic Product (SDP) has declined from 26.5% in 1990-91 to 9.0% in 2017-18. Nevertheless, 62% population still derives its livelihood from this sector. Thus, it is the major contributor to food and livelihood security. It has large impact on other sectors via the input linkages, employment and trade etc. Food grains and vegetable production in the State reached 17.45 and 16.92 lakh tonnes, respectively during the year 2017-18. For record food grain production Himachal Pradesh has received “Krishi Karman Purskar” of the Union Ministry of Agriculture and Farmers' Welfare, consecutively for the fourth time among the small States in the country. Livestock sector has also showed marked growth and production of milk reached 14.60 lakh tonnes in 2018-19. High production in these commodities is due to increased productivity of crop varieties and animal breeds. It is attributed to the intensive teaching, research and extension efforts undertaken by the University and the line Departments of the State. In economic terms the increase in average agricultural output in the State during 2008-09 over the base year 1990-91 has been estimated to be Rs. 1258.51 crore of which research and extension education accounted for 20 and 5%, respectively.

The University is producing trained man power for agricultural development. Till date, the University has produced 6,936 professionals from the College of Agriculture, Veterinary & Animal Sciences, Community Science and Basic Sciences. The estimated value of skilled and capable human resources at the market price of 2007-08, was worked out to be Rs. 18.95 crore annually. It has increased tremendously over the years with increased intake of students and increased price index. The contribution throughout the service span of these candidates has been worked out to be 568.5 crore taking into account approximate 30 years of service period. The aggregate estimated contribution of CSKHPKV, Palampur in the State agriculture and economy came out to be about Rs. 333.58 crore per annum.

About the 10th Brain Storming Session

The Indian Agricultural Universities Association (IAUA) was established in 1967 by Dr. PN Thapar, the founder Vice Chancellor of PAU, Ludhiana. At present there are 68 regular members of IAUA comprising 60 SAUs; 4 Central Agricultural Universities (Banaras Hindu University, CAU, Imphal, DRPAU, Pusa-Bihar and RLBCAU, Jhansi) and four Deemed to be Universities (ICAR- Central Institute of Fisheries Education; Mumbai, Indian Agricultural Research

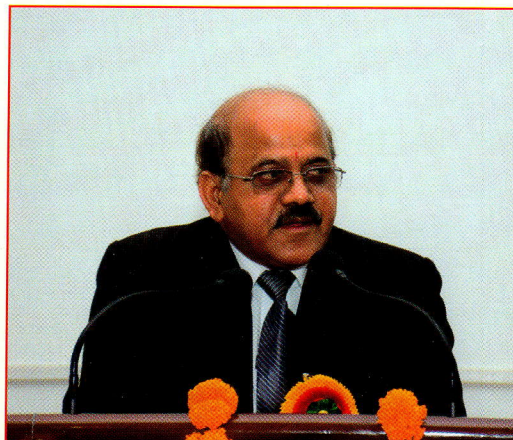


Presidential remarks by Dr. A.R. Pathak



Contribution of CSKHPKV, PALAMPUR to the Farming Community

The University in addition to human resource development in the field of Agriculture, Veterinary & Animal Sciences, Basic Sciences and Community Science, has dedicated to serve the farmers. The University has released 158 improved crop varieties for different agro-climatic regions of the State, developed more than 100 production and protection agro / farm and animal husbandry technologies and manufactured 13 improved farm tools / implements for the benefit of farmers. The distinct agro-climatic conditions of Highland Research Stations located in Lahaul



Prof. A.K. Sarial Hon'ble VC, CSK HPKV

Spiti and Kinnaur districts in Dry Temperate Zone (Zone IV) are boon for the Plant Breeders in undertaking speed breeding activities, leading to reduction in the time required for the release of the varieties. Thus University has played a key role in the development of high yielding varieties of wheat and barley at the national level.

Himachal Pradesh harbours rich biodiversity of flora and fauna. The University scientists are striving hard to protect the biodiversity for their bioprospecting and commercial use in future. The University has been granted three patents. The Geographical indicator (GI) has been granted for the Basmati Rice and Black Cummin (Kala Zeera), while initiative to protect Red Rice, Chamba Rajmash, etc. has been undertaken. Red Rice is a prized treasure of the State and the University has played a key role in registration of the red rice land race 'Chhohartu' from Rohru, Shimla with the Protection of Plant Variety and Farmers' Rights Authority, New Delhi during 2012. Three local maize landraces of Chamba i.e. "Haachhi" (white), "Retti" (red) and "Chitkuri" (popcorn) were registered during 2016 and were also awarded National Plant Genome Saviour Community Award (2019).

Recently, Breed Registration Committee of National Bureau of Animal Genetic Resources (NBAGR), Karnal has approved and registered "Himachali Pahari" and 'Gojri' breeds of cow and buffalo breeds, as first indigenous breeds of the State. The University produces annually around 800 and 1000q of breeder and foundation seed, respectively of cereals, pulses, oilseeds, vegetable and fodder crops which fulfills the need of State Department of Agriculture for further production of certified seed for its distribution to the farmers. The University is among the pioneers to initiate research on organic farming and was awarded the ICAR Project on "Niche Area of Excellence in Organic Farming". The University is at the forefront of establishing an "Advanced Centre of Natural Farming", first of its kind in the country, the concept which has been adopted by the Government of India also.



Institute, Pusa Campus, New Delhi; Indian Veterinary Research Institute; Izatnagar and ICAR, National Dairy Research Institute, Karnal). The IAUA regularly organizes various events since its inception with the objective to promote agricultural research, education and extension in the Universities with the ultimate aim of promoting rural development. It facilitates communication, co-ordination and mutual consultation among the agricultural Universities, and is a liaison between member Universities, ICAR and the Government Departments to facilitate communication and expedite action in important matters. IAUA is effectively and actively facilitating global exchange of views and knowledge in teaching research and extension. Presently, Dr. A.R. Pathak, Hon'ble Vice Chancellor, Junagadh Agricultural University is its President. Dr. S.K. Patil Hon'ble Vice Chancellor, Indira Gandhi Agricultural University, Raipur is the Secretary General.

IAUA organized 10th Brain Storming Session on the topic, “ICAR Model Act Revision” at CSKHPKV, Palampur on June 28-29, 2019. Hon'ble Vice Chancellors, their representatives from 35 Universities covering majority of the States and representatives of ICAR and Members of the ICAR Model Act Revision Committee participated in it. Intensive discussions were held to make the ICAR Model Act more appropriate, effective, implementable and useful for the improvement of teaching, research and extension in the State Agricultural Universities in the context of various national and international challenges being faced by the agriculture with the advent of new technologies i.e. genomics, biotechnology, nanotechnology, artificial intelligence, competition from liberal import under WTO and TRIPS etc. It is highly relevant in the context of doubling the income of farmers by 2022 and regulating quality assurance due to the mushrooming of private agricultural colleges and Universities.

Special sessions to bring out realistic Model Act to initiate a uniform system for improving quality of agricultural education and uniformity in the administrative set up of all State Agricultural Universities (SAUs) were held. Based on the marathon deliberations, suitable amendments were suggested in the existing ICAR Model Act on governance in University system, improving agricultural education in SAUs and to deal with the mushrooming of private Universities and Colleges with the agriculture faculties. The matter of integrating teaching, research and extension in SAUs and deployment of competent faculty on par with international standards was also discussed. The uniformity in nomenclature of University Officers, functional autonomy of Statutory Committees, guidelines for public funding by State, ICAR and private organizations and its operation were the central point of discussion.



Recommendations Emerged from the Sessions

1. ICAR Model Act (2009) has been adopted by 28% State Agricultural Universities (SAUs) and the State Veterinary Universities (SVUs), while its provisions have been adopted by 48%. It was suggested that by and large all the SAUs/SVUs should follow the need based provisions after making necessary amendments in the Act/Statutes.

(Action: State Governments)

2. The SAUs have been established by State Legislative Assembly Act. The ICAR Model Act and Acts and Statutes governing SAU/SVUs should be complementary. The required sections of ICAR Model Act can be implemented through amendments in the University Act/Statutes with proper justification.

(Action: State Governments)

3. The subject of Agricultural Education and Research should be put in the Concurrent list or List III (Seventh Schedule) of the Constitution to ease out the administrative issues and to bring quality changes for improving the standards of agricultural education and research in the country.

(Action: (MOAFW))

4. The University governance should be through a mechanism of autonomy, accountability, transparency and participatory approach involving all stake holders.

(Action: All SAUs, CAUs, Deemed to be Universities, State Governments and ICAR)

5. The UGC guidelines are to be followed with respect to qualifications for appointment of Vice- Chancellor. It should include a person with Ph.D. degree in any branch of Agricultural/Veterinary & Animal Sciences having outstanding academic record with a minimum of 10 years experience as professor/equivalent, out of which 3 years as Dean/Director in a University system or in an equivalent position in a reputed research / academic organization related to agriculture/veterinary & animal sciences.

(Action: ICAR, State Governments and Chancellor of the SAUs)

6. The search committee for the appointment of Vice -Chancellor should include the Director General of ICAR or his nominee not below the rank of DDG or Vice Chancellor of SAUs/CAUs, one nominee of the Chancellor and State Government each of the rank of Vice –Chancellor or equivalent eminent scientist in the field. . The search committee should recommend the names in alphabetical order.

(Action: ICAR, State Governments and Chancellor of the SAUs)

7. There is no uniformity for the age limit and the tenure of Vice Chancellor. The tenure of the Vice Chancellor should uniformly be of 5 years with age limit of 70 years as per UGC norms.

(Action: ICAR and State Governments)



8. Interim Charge of Vice- Chancellor should be given to an academican i.e. the senior most Dean /Director or Vice Chancellor of other SAUs in the State for a period not exceeding six months and the position should be filled within this period.

(Action: Chancellors & Vice Chancellors of SAUs, State Governments)

9. The Board of Management should comprise the concerned Secretaries of the line departments of the State Government. Besides, it should include (i) an outstanding rural woman social worker, (ii) a progressive farmer from the jurisdiction of university, (iii) one member from agricultural industry, (iv) two eminent educationists in the field of Agriculture/Veterinary & Animal Sciences / Allied Sciences, (v) member from ICAR to be nominated by the Director General, ICAR not below the rank of ADG or equivalent and the Registrar as the Member Secretary. All the members from i to iv will be recommended by the Vice- Chancellor and nominated by the Chancellor. There should be no member from State Legislative Assembly/Member of Zila Parishad etc.

(Action: Chancellors & Vice Chancellors of SAUs, State Governments)

10. Academic, Research and Extension Councils are statutory bodies for regulating and overseeing academic, research and extension activities respectively. Its functioning and composition need to be revised from time to time to make it more dynamic in view of the changing market demand of expertise/human resource/ products/technologies from the SAUs/SVUs.

(Action Vice Chancellors of SAUs)

11. The positions of Registrar and Finance Officer/Comptroller are important for smooth functioning and implementation of respective statutory provisions. These officials should be appointed from within the university system or appointed on deputation by the State Governments.

(Action: Chancellors & Vice Chancellors of SAUs and State Governments)

12. The Controller of Examination should not be below the rank of Professor and the post of Director Extension should be re-designated as the Director of Extension Education.

(Action: Vice Chancellors of SAUs)

13. Deans and Directors should be appointed through an open advertisement following uniform procedure. Principals of the off-campus colleges should be re-designated as the Deans.

(Action: Chancellors & Vice Chancellors of SAUs)

14. The SAUs/SVUs must maintain optimum faculty student ratio. The strength and the composition of the faculty of the Departments of the constituent Colleges should follow the Fifth Deans' Committee recommendations. Faculty positions lying vacant since long should be filled up to meet this criterion.

(Action: State Governments)



15. The faculty should have flexibility for undertaking consultancy services, short term assignments, participation in the industrial R&D programmes and crafting both National and International projects / collaborations for the resource generation.

(Action: ICAR, Vice Chancellors of SAUs, State Governments)

16. The highest ranking Universities should be given autonomy in designing and starting new courses / programmes, admission criteria including foreign students, fee structure and hiring globally competent faculty.

(Action: ICAR and State Governments)

17. Indian Council of Agricultural Research should have a position of ADG dealing with 'Skill Development and Entrepreneurship' in the Education Division, who may co-ordinate and facilitate development of entrepreneurial skill and employability among the graduates.

(Action: ICAR)

18. Agricultural education under the domain of UGC in private colleges and general universities must be accredited by the ICAR. The recommendations of the Fifth Deans' Committee should be followed in the letter and spirit in these Colleges/Universities.

(Action: UGC, ICAR and State Governments)

19. The Universities should generate their resources through self-financing degree programmes, short term training programmes, consultancy services, payment seats, fee structure, sale of University produce/seed/planting materials, testing and licensing of technologies, other outreach programmes, etc. The faculty should be given benefit sharing on the pattern of the guidelines of ICAR already in vogue.

(Action: Vice Chancellors of SAUs, CAUs and Deemed to be Universities)

20. Universities/Colleges should have internal quality assurance system to meet the diverse needs of the stakeholders for planning, guiding and monitoring quality assurance and quality enhancement activities.

(Action: Vice Chancellors of SAUs, CAUs and Deemed to be Universities)

21. The MOUs in State Agricultural Universities with International Institutes /Organisations should be in specific areas and within the guidelines already approved by ICAR/DARE.

(Action: Vice-Chancellors of SAUs)



Highlights of Inaugural Session

In the inaugural session, Mr. B.K. Agarwal, Hon'ble Chief Secretary, Govt. of H.P. was the Chief Guest. It was chaired by Dr. A.R. Pathak Hon'ble Vice Chancellor, Junagadh Agricultural University, Junagadh and Dr. N.C. Patel Hon'ble Vice Chancellor, Anand Agricultural University, Anand the immediate past president being the Co-chairman. The Chief Guest and other dignitaries were honoured with traditional Himachali Cap, Jacket and some gifts of Himachal Pradesh and a portrait of Kangra Bride, painted by the World famous Saint Artist S. Sobha Singh.



Inaugural address by Sh. B.K. Agarwal, Chief Secretary, Government of Himachal Pradesh

Prof. Ashok Kumar Sarial, Hon'ble Vice Chancellor, while welcoming the Chief Guest and dignitaries, conveyed that an event, where Vice Chancellors of 35 Universities including 6 Deans/Directors as representatives and 4 Members of ICAR Model Act Revision Committee led by its chairman Dr. S. S. Chahal, Former Vice Chancellor, MPUAT, Udaipur had gathered under one roof, was being held for the first time in the history of University since its inception. He underlined the need to make the ICAR Model Act more appropriate, effective and useful for the improvement of teaching, research and extension in the Farm Universities. Prof. Sarial highlighted the major achievements of the University transforming the State to become self sufficient in food production and its contributions and image in society. The popularity of the University may be gauged from the fact that for admission to 153 seats of B.Sc (Hons) Agriculture programme of College of Agriculture and B.V. Sc & A.H. of College of Veterinary and Animal Sciences, a record number of 17,773 applications were received for the entrance test during the academic year 2019-2020. Every year there has been an increase of 3,000-4,000 applicants which was an indicator of the quality of education imparted in the University. He emphasized the need to establish more colleges for such professional courses and sought government's approval to double the intake of students in B.V. Sc. & A.H. programme. Prof. Sarial also underlined the need of farm mechanization in hills to reduce the drudgery of the farmers and opening an Agricultural Engineering College in the State. He apprised the Chief Guest that teachers in the States like Himachal Pradesh and Punjab are recruited on contract basis with almost half of the salary and requested for their recruitment on regular basis with full pay scale to attract and retain the best talent.

Dr. A. R. Pathak, said that common syllabus and uniformity among all the Farm Universities were necessary to improve quality of education. He said that all State Governments should adopt ICAR Model Act to maintain uniformity and equality of



education and administrative set-up. This will be in the interest of the States and Nation. He also advocated increasing the tenure of Vice-Chancellor from 3 to 5 years and age from 65 to 70 years as per the UGC norms followed in Central Universities in the country. Dr. Pathak advised that all Farm Universities should provide the farmers with holistic technologies.

Dr. S.K. Patil, Secretary General, IAUA and Vice-Chancellor, Indira Gandhi Agricultural University, Raipur conveyed that no country can survive without food and there was need to continuously increase food production. He informed that as per the draft of new national education policy, submitted recently, farm education investment would be doubled in the next five years. All Universities would be multi-disciplinary and multi-faculty with a minimum student strength of 5,000. Hence, now onwards no 'Stand Alone' subject based University would exist. In view of it, farm Universities have to plan and think on this crucial issue.

Dr. N.C. Patel, briefed that IAUA was co-ordinating with various organizations to improve farm education in the country. He said that Vice-Chancellors should help State governments in formulating agricultural policies. He also emphasized the need of regular faculty for quality education in the country. He appreciated the efforts of Prof. Sarial, Hon'ble Vice chancellor for developing and maintaining very cordial relation with State Government and acknowledged the State Government for providing liberal support to the University.

Mr B.K. Agarwal, Hon'ble Chief Secretary, Government of Himachal Pradesh and Chief Guest of the event said that innovative solutions should be devised to improve farm education and asked Farm Universities to think out of box to double the income of farming community. He appreciated that problem of hunger has been solved by Farm Universities but new challenges i.e. decreasing productivity, increasing input cost, farmers' distress, environment degradation due to excessive use of chemicals, depleting water table etc. have emerged which need immediate attention. He opined that farm scientists and all concerned should join hands to resolve all such issues. He emphasized that farm education should be reoriented as the graduates need to serve the farmers, especially needy and poor farmers and emphasized that this issue requires critical thinking as per the needs of country than copying ideas from foreign lands. The Chief Secretary advised that farm students should spend adequate time with farmers to gain practical knowledge and enhance their skills. He also asked scientists to frequently interact and involve farmers while taking major policy and other decisions. He told that the Govt of Himachal Pradesh was advocating zero budget natural farming and asked all Farm Universities in the country to help farmers in doubling their income. He assured that in the interest of farming community State Governments would consider implementing the recommendations emerging out of this two days session on ICAR Model Act revision being held in Himachal Pradesh.

After the inauguration session, all the visiting Vice Chancellors and dignitaries had a group photograph and planted *Hibiscus* saplings in front of Administrative Block of the University.



Inaugural Session of 10th Brain Storming Session



Dignitaries on the dais



August gathering during inaugural function



Lighting of lamp by Sh. B. K. Agarwal, Chief Secretary, Government of Himachal Pradesh



Lighting of lamp by Prof. A. K. Sarial, Vice Chancellor, CSK HPKV Palampur

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Dr. A.R. Pathak, President IAU gifting a plant sapling to Sh. B. K. Agarwal, Hon'ble Chief Secretary, Government of Himachal Pradesh



Prof. A.K. Sarial presenting a painting to Sh. B.K. Agarwal



Prof. A.K. Sarial honouring Dr. A.R. Pathak Vice Chancellor, JAU, Junagadh with traditional cap and muffler



Prof. A.K. Sarial presenting a painting to Prof. S.S. Chahal



Proceedings: Technical Session I

Theme: University Governance, Quality Assurance and Model Act

Chairman: Mr. B. K. Agarwal, Chief Secretary, Government of HP

Co-chairman: Dr. A. R. Pathak, VC, JAU, Junagadh

Lead /Keynote Speaker: Dr. S S Chahal, Ex VC, MPUAT, Udaipur

Moderator: Prof. Ashok K. Sarial, VC, CSK HPKV, Palampur

The session was chaired by Sh. B.K. Agarwal, Honourable Chief Secretary, Government of Himachal Pradesh. Dr. A.R. Pathak, Honourable Vice Chancellor, Junagadh Agricultural University, Junagadh was the Co-chairman and Professor Ashok Kumar Sarial, Honourable Vice Chancellor, CSKHPKV, Palampur was the moderator. Dr. AR Pathak discussed about the genesis of ICAR Model Act and various revisions in the act. He apprised that present revision of the ICAR Model Act was being done by the duly constituted committee by ICAR, under the chairmanship of Dr. SS Chahal, Ex Vice Chancellor, MPAUAT, Udaipur. Dr. Pathak requested Dr. Chahal to apprise the status and progress regarding Revision of ICAR Model Act.



**Briefing on ICAR Model Act by
Prof. S.S.Chahal**

Dr. Chahal told that it is the third revision of the Act. He reiterated that all the universities do not follow ICAR Model Act in toto. Efforts are being made to bring uniformity in the adoption of this act. Many meetings were held in this regard. Recently, a meeting was convened at Bhopal in which Agriculture Ministers and Chief Secretaries of the States were invited to discuss the discrepancies in the Model Act. He was of the view that there is need to improve the criteria regarding the accreditation of agriculture universities/colleges/programs etc. A large number of private universities and private colleges have started undergraduate (UG) and post graduate (PG) courses in Agriculture. However, they lack proper infra-structure, land and field facilities and faculty, still they are trying to get recognition from the state government and the ICAR accreditation. There is need to give weighted autonomy to the universities. Appointment of Vice Chancellors of the universities, statutory officers need to be uniformly adopted. Reforms in agricultural education and research were discussed. ICAR being a society under DARE has not much role in improving the quality of education in private universities. However, Dr. NC Patel added that DARE can intervene in this regard. There is an idea of multi-faculty university. In



case of university governance, selection of Vice Chancellor and statutory officers was the point of discussion. Since the university is getting funds from the government so autonomy is questionable. However, autonomy, independence and transparency is required in the working of the Vice Chancellors. The Universities are established under the State Act and Statute hence, ICAR model can not be implemented in toto. However, State Agricultural Universities Act should be in line with ICAR Model Act and consensus need to be developed. ICAR has no authority and power to stop private universities but DARE can exercise its power for quality control in private universities. Mr. BK Agarwal said University is Governed by Act passed by State Government and it is supreme. Even the private colleges are started by the Act passed through Legislative Assembly, hence they are governed by it. Such Universities can not be stopped as Legislative Assembly is above ICAR. Agriculture is a State subject and autonomy should be respected and the adoption of the Act should be the prerogative of the State and can not be absolutely governed by the ICAR implemented Act. Still, the State Act can be modified and the university is fully competent to start courses, degrees etc. ICAR Model Act is created to implement few things and Centre can not impose its will. Moreover, over regulation of the education is not desired and private institutes are self regulatory. Mr. Agarwal gave the example of Engineering Colleges in the private sector. The colleges could not pull on when the demand decreased. He said that conscious effort was desired so that ICAR Model Act can be adopted with justification. He added that universities can raise funds through research projects and consultation. He appreciated that the AAU, Anand has the capability to process one lakh litres of milk a day. This expertise of that university may be utilized in Himachal Pradesh for processing of milk.

- ICAR Model Act has been adopted by 28% SAUs to the extent of 48%. It was suggested that under varied agro-climatic regions and agri-veterinary systems the adoption should increase to 60-70%.
- Governance in the universities should be through autonomy, accountability, transparency and participatory management involving stake holders.
- The subject of agriculture should be put in the concurrent list of constitution to ease out the difficulties of administration to bring in quality changes improving ranking, introduction of new programmes/courses.
- The ranking of universities on graded scale shall give opportunities to the better performing institutions in designing and starting their own courses and programmes, creating opportunities for admission of foreign students and employing competent faculty.
- The over regulation of education should be avoided. Various measures like consultancy services in the university should be undertaken for resource generation.



enhanced to at least 25 or 50 lakh. After long discussion, the delegates arrived at the consensus that there should not be any cap/limit on the delegation of powers to the Vice Chancellor. A presentation was given by Dr. Satish, Dean, PGS, MPKV, Rahuri on behalf of Vice Chancellor, MPKV, Rahuri. He apprised that 75-80% provisions in Act of the MPKV is similar to ICAR Model Act, but it differs in financial powers. Any affiliated and private college can become the member of BOM of the Universities. He said that Agriculture Commissioner is the members of Board of Management and it is practically viable as they regularly attend the meetings. As per the ICAR Model Act two HODs are the member of academic council whereas, in MPKV all HODs are members along with the chairman of Board of Studies. Maharashtra Agricultural Universities Council with State Agriculture Minister as Chairman has been constituted. He wished that decisions regarding NRI quota and trainings in foreign countries should be decided by the Vice Chancellor that affiliations of private universities should be with university. There should be reduction of political interference and full autonomy may be given to Vice Chancellor for various appointments. The faculty and staff may be enhanced with recruitment of new faculty as the intake of students has doubled but the staff is the same. A coordination committee needs to be framed for effective administration in all the universities in the state with more than two Agricultural Universities. All recruitments should be done at the university level and there should be establishment, monitoring and regulation of private colleges as per ICAR standards.



Dr. Chahal responded that the presentation by MPKV was informative but certain points are relevant to Act whereas, others are statutes and regulations. Minimum standard for qualification is a part of statutes and regulations. Dr. NC Patel advocated the quality assurance for the private universities. Dr. Risam, Vice Chancellor, SKAUST, Jammu apprised that 95% of the University Act is as per the Model ICAR Act,

The discussion on ICAR Model Act was taken up. Dr. S.S. Chahal clarified that there should be very clear cut understanding about the guidelines, statute, regulation and act since guidelines cannot be put in the Act. For framing guidelines, there must be coordination among different Universities.

The following recommendations emerged:

University governance and quality assurance:

- (i) Appointment of Vice Chancellor should be through search committee: After thorough discussion, the consensus emerged out that the search committee for the



Proceedings Technical Session II and III

Theme:

II: Present status of implementation of ICAR Model Act

III: SWOT Analysis of ICAR Model Act

Chairman: Dr. A. R. Pathak, VC, JAU, Junagadh

Co-chairman: Prof. (Dr) N.C. Patel, VC, AAU, Anand

Moderator: Prof. Ashok Kumar Sorial, VC, CSK HPKV, Palampur

Keynote/ Lead speaker: K.P. Viswanatha, VC, MPKV, Rahuri

Dr. Gaya Parsad, Vice Chancellor, SVBPUAT was of the view that Model Act can be useful in some cases i.e. harmonization of services e.g. age and tenure of Vice Chancellors, selections of Deans and Directors etc. Dr. Cheti opined that ICAR grant should be linked with adoption of ICAR Model Act but the house was of the view that harshness in implementation of ICAR Model Act grants should not be done. Dr. Chahal added that it is a model act and some changes are permissible as per the need of the State Act. As regards of the services of the Vice Chancellor is concerned, its selection procedure and its authority differs in different universities e.g. in PAU, VC is selected by the Board of Management whereas, in Himachal Pradesh, the government and the Chancellor select the Vice Chancellor. The accreditation should be related to the weighted grade point on the analogy of UGC, where the University or College with high grade point of >3.5 , can follow its own procedure for selection of the faculty, foreign students and should have autonomy to start new commercial courses of their own choice. In case of private Universities no objection certificate is taken from the state government for its establishment as per the Act, and the state has power to recognize or derecognize their degrees. It was deliberated that the degree of non-accredited universities should not be recognized. ICAR Model Act may help the state to draft its Act, but it can not compel for its full adoption and implementation. Regarding the autonomy of the university and the age, selection process of the Vice-Chancellor, rules may be formulated in consultation with the state government. Dr. Chattopadhyay wanted that Model Act should address the quality education and other academic issues.



Dr. K.P. Vishwanatha, VC, MPKV, Rahuri

Dr. Vishwanatha, Vice Chancellor, MPKV, Rahuri informed that according to Maharashtra Agricultural University Act, the sanctioning power of the Vice Chancellor was Rs. 3 lakh in 1983. Even after 40 years it is same and for more amount Maharashtra Council of Agriculture Education and Research (MCAR) is empowered. He wished that it should be



appointment of Vice Chancellor should have the following members:

- a) The Director General of ICAR or his nominee not below the rank of DDG or Vice Chancellor of SAUs/CAUs.
- b) One nominee of the Chancellor/Governor of the rank of Vice Chancellor and above
- c) One nominee of the Chancellor/Government of the rank of Vice Chancellor and above.
- d) The names of the search committee should be nominated in alphabetical order.

The tenure of the Vice Chancellor should uniformly be of 5 years with age limit of 70 years.

(ii) **Interim Charge of Vice Chancellor:** The charge should be given to the senior most Dean of Academics/Director or Vice Chancellor of SAUs and the period should not exceed more than six months. The attempt should be made to fill the post of Vice Chancellor within six months. During the discussion, it was opined that the Act should be prepared in such a manner that it should be acceptable to all the States.

(iii) The appointment of the Registrar and Comptroller should be left to the State.

(iv) The appointment of the Controller of Examination should not be below the rank of Professor.

(v) The nomenclature for the post of Director Extension should remain as the Director of Extension Education.

(vi) Constitution of Board of Management

After long discussion, the consensus emerged that members other than Secretaries should include

- a) Outstanding rural women social worker to be nominated by the Chancellor.
- b) Progressive farmer from the jurisdiction of University to be nominated by the Vice Chancellor.
- c) One member from Agriculture Industry to be nominated by the Chancellor.
- d) Two eminent educationists from outside the university from the field of Agriculture and Allied Sciences to be nominated by the Vice Chancellor.
- e) Member from to be ICAR nominated by the Director General not below the rank of ADG
- f) Dean/Director from the university and the Registrar as Secretary

vii) On the issue of affiliation of private agricultural universities/colleges, the act should remain silent.

viii) The post of Deans and Directors should be filled through open advertisements.

At the end of the session Dr. Chahal read the UGC guidelines for the selection of Vice Chancellor which will be adopted with some necessary addition or deletion according to the consensus made in the house.



Sh. B.K. Agarwal, Chairing the session, 'University governance, quality assurance and ICAR model act'.



Chairman Sh. B.K. Agarwal addressing the session



Dr. S.S. Chahal, Dr. B.S. Tomar, Dr. R.P. Singh and Dr. A.K. Srivastava



Deliberations during the session.



Dr. Parveen Rao, VC, PJTSAU, Hyderabad



**Dr. A.K. Dhawan, VC, VNMKV, Parbhani
deliberating during the course of discussion**

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Proceedings of the Special Session

Lecture by Dr. BB Singh, Senior Cowpea Breeder, IITA

Topic: Challenges and Opportunities for Indian SAUs to Achieve Excellence

Chairman Dr. A.R. Pathak, VC, Junagadh Agricultural University, Junagadh

Co-chairmanship: Prof. Ashok Kumar Sarial, VC, CSK HPKV, Palampur

A special session was organized under the chairmanship of Dr. A.R. Pathak and Co-chairmanship of Prof. Ashok Kumar Sarial. Dr. BB Singh, Senior Cowpea Breeder, IITA Kano Station, Kano, Nigeria, and presently Honorary Professor, GB Pant University of Agriculture and Technology, Pantnagar delivered a special lecture on the topic, "Challenges and Opportunities for Indian SAUs to Achieve Excellence".

Dr. Singh inferred that out of the 200 top world universities, 6, 12 and 58 universities are in India, China and USA, respectively. He apprehended as to why the Indian universities were behind in the world ranking. In general, Indian, SAUs have the challenges of agricultural education, research and extension education. He explained that various factors e.g. lack of understanding by Government about the concept of integrated teaching/research/extension; in appropriate staff; lack of autonomy and rising state political interference (administrative); inbreeding of faculty, falling standards, poor lecture rooms and laboratories and lack of uniformity in teaching across Universities are responsible for it. In case of research, routine and repetitive work, lack of innovation and collaboration, lack of well equipped research laboratories, poor analytical facilities and poor infrastructures including greenhouses and field facilities were the major bottlenecks in the research. It is further complimented by the poor research support, complex financial regulations, lack of operational freedom to Principal Investigators and diminishing technical and research support staff. Coordination among State and University extension staff are the major problems in the extension education.



Multiple low standard journals with 'pay and publish' policy and inadequate/no internal review of manuscripts before submission lead to poor publications. Poor adherence to merit-



based policies in appointments and promotions lead to sub standard and poor research, teaching and extension education. Hence, he emphasized that the Indian agriculture needs major reforms in the administrative, teaching, research and extension activities.

Administration: ICAR- SAU-State collaborative efforts are required to strengthen the concept of integrated teaching/research/extension education and its enlightenment to states along with its responsibility for financial sustainability. Institutional autonomy, transparency and meritocracy need to be ensured in all SAUs. ICAR/State Government. should provide huge grants to upgrade teaching and research facilities. There is need to strengthen Indo-international collaborations for faculty improvement and training and strengthening of linkage with International Agricultural Research Centers for collaborative research and faculty training. Partnership with private sector should be developed for research support, incubation parks and start-up projects and 'SAU-State linkage' may be strengthened for extension of high impact technologies. 'University Development Foundations' may be established in the university to accept private donations and endowments.

Teaching: Dr. Singh appreciated the Fifth Deans Committee report and felt satisfaction that its contents are as per the present needs of students, national and international requirements of agriculture and entrepreneurship. But still it needs modification and up gradation. The teaching faculty should prepare each subject ahead of the class and upload on the departmental websites for its downloading and use by students and other faculty. Renovation of lecture rooms and laboratories and their equipping with computers and projectors is urgently required. Senior Professors should teach under graduate courses and end of course evaluation by students should be mandatory. Post-Graduate thesis research projects should be finalized before the end of second semester and the advisory Committee should monitor progress being made by the student and ensure validity of results.

Research: There is need to modify and upgrade the ICAR sponsored unique AICRPs. The AICRPs are quoted through out the world for the development, evaluation and utilization of breeding material. However, these have become routine and ritualistic. Hence, to break monotony and to infuse new ideas for long term strategic and innovative research initiatives, half-day brain storming session during the annual workshops may be very useful. Development of collaborative projects for breeding stress resilient and nutritionally rich crop varieties is required. There is dire need to jointly identify and develop greenhouses and field facilities to screen crop specific biotic and abiotic stresses at relevant locations (i.e. hot spot locations). Collaborative off season nursery facilities at relevant locations will help to accelerate generation advancement.

The crop food products with high antioxidants and cancer-fighting properties and other health benefits needs to be evaluated. He stressed to establish collaborative



biotechnology and basic science projects to improve crops and livestock. He stressed to establish centers with state of art facilities for biotechnology research, initiation of projects for gene discovery, gene transfer and gene editing to improve photosynthetic efficiency, pest resistance and quality traits, establishment of well equipped semen sexing centers to select 'X-chromosome bearing sperms' for artificial insemination in cows, buffaloes and goats for producing more female progenies will be of great use. It is required to initiate trans-disciplinary and multi-institutional project to study micro-biomes associated with soil, plant and animals and to exploit their usefulness across the food systems. The establishment of joint capability to employ technological advances in material science, micro-electronics and nanotechnology to create novel biosensors to detect stress signals in soil and plants related to drought, diseases, insects, nutrient deficiency and spoilage in food stores will be highly useful in modern research.

Extension: There is immense need to strengthen 'SAU-State linkage for extension' and harmonize the activities of ATMA, KVKs and NGOs for extension, demonstration of high impact technologies involving integrated nutrient, water and pest management for bridging the yield gap in all crops, demonstration of intensive 'crop-vegetables-livestock-poultry-fish' system for increasing income of small farmers and to advise the state governments to ensure availability of improved seeds, feeds, balanced fertilizers and relevant credits.

Dr. Singh very emphatically conveyed that during 1900-1950, innovative technologies were developed in traditional Agriculture, mutation breeding, aviation, atomic science, electronics etc. During the period 1951-2019, developments in biotechnology, precision agriculture, gene editing, nanotechnology, space technology, economic war technology etc. were the major break throughs. All these technologies originated in Europe or USA. He wished that we should lead in some aspects of science for which the SAUs must focus on innovative teaching, research and extension education.



Cultural Program

Chairman: Professor Ashok Kumar Sarial, Vice Chancellor, CSKHPKV, Palampur

Chief guest: Dr. A.R. Pathak, Vice Chancellor, JAU, Junagadh

Guest of Honour: Dr. S.S. Chahal, Ex Vice Chancellor, MPUAT, Udaipur

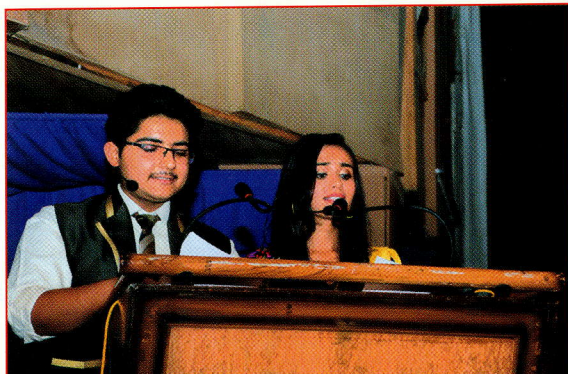
A cultural program was organized in honour of visiting Vice Chancellors and other dignitaries in the evening of 28-6-2019. The function began with Ganesh Vandana. The guests were entertained by the talented students of the university through solo dances, classical dances, 'ShivTandav'. The beautiful Rajasthani Puppet Dance enthralled each and every person. The boys of COA presented an effective mime focused on the excessive dependence and use of mobile phones. Boys and girls of COBS performed western dance. A heart touching play on soldier's life was depicted wonderfully. Students of College of Community Sciences presented Bhangra. Prof. Ashok Kumar Sarial, Honourable Vice Chancellor, highly acknowledged and appreciated the colourful event. He appreciated the participants for their talent and special concerns for the university who were enjoying vacation but came for participation in the program. He congratulated them for their excellent performance.

Esteemed Guest of Honour, Dr. S.S. Chahal appreciated the benevolent performance of the students. He inferred that such activities are not only entertaining but also help in personality development of the students. He praised Honorable Vice Chancellor of the host University for his leadership and administration. Dr. A.R. Pathak, the worthy Chief Guest of the function, expressed his extreme gratitude to each one who was behind the arrangement of this programme. He thanked the students and praised the relationship that students held with the administration and staff.

He also wished gratitude to Prof. A. K. Sarial for his efforts towards their comforts. He specifically appreciated the conveners, for keeping the beauty of the programme. Interestingly, the participants were rewarded a sum of Rupees 2000 by the dignitaries for their excellence and efforts, which was a very precious moment. The programme concluded by the vote of thanks from the anchors to one and all.



Cultural Night organised by the students in the honour of Vice Chancellors and other dignitaries



Mr. Tarun Kapoor and Miss. Hunar Arora, B.Sc. Agri. 2nd year students as event anchors



Visiting Vice Chancellors and other dignitaries enjoying the event



Ganesh Vandana by B.Sc. (Hons) Agri. students of COA



Mime by B.Sc. Agri. students



Western dance performance by B.Sc. students



Skit by students of COBS

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Puppet dance by students of COBS



Performance by students of College of Community Science



Dr. A.R. Pathak blessing UG students and organisers



Prof. A.K. Sarial congratulating the students and event organisers

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Proceedings of the Technical Session IV

Theme: Strategic planning for implementation of ICAR Model Act

Chairman: Dr. N.S. Rathore, DDG (Edu.)

Co-Chairman: Dr. Ashok A. Patel VC, SDAU, SK Nagar

Moderator Prof. Ashok Kumar Sarial, VC, CSK HPKV, Palampur

Keynote/Lead Speaker : Prof. (Dr.) Vishnu Sharma, VC, RAJUVAS, Bikaner:

The session was chaired by Dr. N.S. Rathore, Honourable Deputy Director General (Education), and Dr. A.R. Pathak, Honourable Vice Chancellor, Junagadh Agricultural University, Junagadh was co-chairman and Professor Ashok Kumar Sarial, Honourable Vice Chancellor, CSKHPKV, Palampur was the moderator. Dr. Vishanu Sharma. Honourable Vice Chancellor, RAJUVAS, Bikaner was the key note speaker. Dr. Rathore inferred that the Model Act is not followed by all the universities and it can not be enforced. The university should be autonomous, but for the financial support these are dependent on the state government or ICAR. Autonomy is governed by the availability and generation of revenue, hence it is desired by the central government and ICAR that universities should generate at least 30% revenue of its sanctioned budget. Under the national ranking of the Agricultural Universities it carries 10 marks. SAUs are governed by the MoUs signed between SAUs and ICAR.



Dr. N.S. Rathore addressing the session

Dr. Rathore pointed out that while signing the MOUs with international institutions, permission of ICAR is necessary. However, it requires lot of correspondence leading to unwanted delays. Dr. SS Chahal replied that signing of MOUs has become a fashion these days some of which are only for the name sake. He stressed that MOUs should be meaningful and address a specific and important researchable issues. Dr. Rathore added howsoever, a university strong may be, it can not do much individually but collectively nation can do a lot. So, MOU under the collective umbrella of ICAR and national networking will be more successful. Under NARI system, signing of MOUs is considered a point of pride and prestige but keeping in view the national security and foreign policy MOUs at the national and international level should be undertaken after addressing the issues of national security, biosecurity and biosafety. MOUs should fulfill the gaps for various researchable issues, e.g. training of young scientist in edge cutting technologies, exchange of knowhow etc. The MoUs at the national or international level may be allowed by the SAUs only with the permission of the central government as well as ICAR should be sought but permission



should not be time consuming. The MOUs should be meaningful and result orientated e.g. in JAU, eight students visited abroad under the international MOUs.

Discussion was held on mushrooming of private Agricultural Universities and colleges, imparting agricultural education. Dr. Rathore inferred that quaty assurance in agricultural education is the prerogative of the DDG Education. Responding to a query that the prestige of Vice Chancellors office should not be eroded in the ICAR Model Act, Dr. Rathore inferred that such practices should be based on the performance in research, teaching, extension, consultancy, revenue generation, new initiatives and popularity among the farmers and the status of the students passed from the university and not as the right.



Dr. N.S. Rathore Chairing the session

Dr. Rathore conveyed that there are more than 75 universities located in different states under varied agro-climatic regions and representing different farming situations viz. temperate, arid, rainfed, desert, hills etc. Hence, the ICAR Model Act can not be same for all the universities as their mandate is different depending upon the varied agro climatic conditions. Dr. Rathore wished that if the ICAR Model Act is followed by even 60% it is acceptable. Dr. Chahal suggested that ICAR Model Act will help to strengthen planning in teaching and research.

Recommendations

- The MOUs in State Agricultural Universities with national and international institutes should be on specific researchable issues.
- The international MOUs should preferably be under the umbrella of ICAR and SAUs may be involved in a networking mode. Such MOUs should be signed after seeking due permission from ICAR and Central Government keeping in view issues pertaining to national interest and national security.



Proceedings of the Technical Session V

Theme: State Governments interventions for the adoption of uniform ICAR Model Act

Chairman: Dr. N.S. Rathore, DDG (Edu.)

Co-Chairman: Dr. Ashok Kumar Patel VC, SDAU, SK Nagar

Keynote/Lead Speaker: Dr. SS Chahal, Ex VC, MPUAT, Udaipur

Moderator: Dr. SD Sawant, VC, DBSKKV, Dapoli

Dr. Chahal inferred that efforts will be made to make the ICAR Model Act workable, flexible, implementable and fulfilling most of the aspirations of the SAUs in all the region of the country. Provision will be kept for its modification as per the needs of the university. The ICAR Model act is for the governance of the Agricultural Universities and State Government must adopt it. Further, State Agricultural Universities are governed by the State Act, hence, a University can not have two acts. However, State Government may be persuaded to adopt it. Moreover, a lot of funding to the SAUs is given by the ICAR. This funding may be linked and conditional with the adoption and implementation of the ICAR Model Act. Accordingly statutes, rules and regulations can be modified. Statutes are very important and should be in accordance with the University needs. In addition to the normal statutory bodies, a high power committee can be constituted for the university which should guide the Vice Chancellor on various issues e.g. in PAU, in addition to academic council there is a parallel committee of Deans and Directors which advises and guides the Vice Chancellor in case of any problem.

Dr. Chahal informed that in contrast to about 76 agricultural universities, there are 850 traditional universities of the country. The universities should be given facilities and autonomy as has been practiced in case of UGC accreditation. Universities with higher weighted grade point of >3.5 or A++ enjoy more autonomy in terms of admission of foreign students, initiate new courses, appoint meritorious faculty and researchers as per their will and they may offer to initiate their own degrees and courses. Dr. Rathore further stressed upon that minimum protocol should be observed for the selection committee.



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Dr. Rathore wished that to inculcate entrepreneurship among the students, every students should be given a piece of land and during the 1st, 2nd and 3rd year they should work on different models which may be demonstrated during the final year at the farmers fields. Such students should work in a selected panchayat and during this period they may be given stipend, where they interact with the farmers to solve their problems. Dr. Chahal said that the federal system of university and its autonomy should not be eroded to implement act and it should be flexible. There should be minimum quality assurance programmes under ICAR Model Act. Dr. Vishwanathan stressed the need of a council for the states with more than two universities which should be interlinked. Prof. A.K. Sarial added that there should be more than three members in the committee for the selection of Vice Chancellor and Dr. P.K. Agarwal added that the committee should be of high integrity and may involve ICAR or non ICAR organization like CSIR and nominee of the Governor.



Recommendations

- ♦ ICAR Model Act workable, flexible, implementable and fulfilling most of the aspirations of the SAUs in all the region of the country.
- ♦ The funding may be linked and conditional with the adoption and implementation of the ICAR Model Act.
- ♦ In addition to the normal statutory bodies, a high power committee can be constituted for the university which should guide the Vice Chancellor on various issues.
- ♦ The federal system of university and its autonomy should not be eroded to implement act and it should be flexible.

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Valedictory Session

Chairman: Dr. Narinder Singh Rathore (DDG, Education)

Co-Chairman: Dr. A.R. Pathak, Vice-Chancellor, JAU, Junagadh/ Prof. Ashok K. Sarial, VC, CSKHPKV, Palampur

Chief guest: Sh. Shanta Kumar ji, Ex. Union Minister, Ex. Chief Minister H.P. and Member Parliament

The valedictory session of the 10th Brain Storming Session on ICAR Model Act Revision was chaired by Dr. N.S. Rathore, Deputy Director General (Education), ICAR, New Delhi. Dr. A.R. Pathak, VC, JAU, Junagadh was the Co-chairman and Dr. Ashok Kumar Sarial was the moderator. Former Chief Minister H.P. and Union Minister Honorable Sh. Shanta Kumar ji was the Chief Guest. Dr. NS Rathore, Deputy Director General, ICAR, said technology outreach was an important component of farm education. The Revised Model Act would spring new ideas, improve farm education and enhance competency among students and staff. He expected state governments to adopt the Model Act.



Dr. A.R. Pathak President IAUA welcoming Chief Guest of valedictory function, Sh. Shanta Kumar ji

Prof. Ashok Kumar Sarial, Honorable Vice Chancellor, emphasised the need to open an agricultural engineering college in the state. The university has earned unique position in quality education as was evident from the fact that about 17,773 applications were received for the entrance test for 180 seats in UG programmes in the College of Agriculture and College of Veterinary and Animal Sciences. He emphasized that to provide quality education in agriculture and veterinary science, there is need to establish another Agriculture College and to double the intake of students in B.VSc. & AH programme. Dr. S.S. Chahal said that changes in farm education were necessary as economy of the country was dependent on agriculture. The farm universities should be autonomous and accountable. The Act would help in bringing transparency in the process and universities needs to be decentralized and should have quality assurance cells. Research in the universities should be on relevant subjects as per the need of the state. National and international collaborations must be encouraged.

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Dr. Ashwani K. Basandrai Organizing Secretary presented the rapporteurs reports of various Sessions.

Sh. Shanta Kumar ji urged delegates that top priority must be given to farmers' interest while formulating any policy related to agriculture. He lauded the newly-elected government for according prominence to the farm sector and solving their issues. Farm scientists should continue efforts to double the income of farmers. They should initiate steps for critical thinking and decision making for the welfare of the farming community. The wider consultation among all stakeholders brings excellent results and all decisions should be taken for the betterment of farmers. He said that farm sector remained neglected for long, putting farmers in jeopardy.

The 10th Brain Storming Session ended with the formal vote of thanks from Prof. Ashok Kumar Sarial Hon'ble Vice Chancellor, CSK HPKV, Palampur.



10th Brain Storming Session
CSK Himachal Pradesh Krishi Vishwavidyalaya, Palampur
Programme

Time	Session
June 27, 2019	
7.00 pm onwards	Welcome Dinner (Hotel Taragarh Palace)
June 28, 2019	
10.00am-11.30am	Inaugural Session (Mini Auditorium COVAS)
11.30am-12.00 noon	Tea Break
12.00noon-12.30pm (Plantation and photography in front of Administration block)	
12.30pm-1.30pm	Technical Session I (Committee Room, VC Secretariat) <i>Theme: University governance, Quality Assurance and ICAR Model Act</i>
1.30pm-2.30pm	Lunch Break
2.30pm-3.30pm	Technical Sessions II <i>Theme: SWOT Analysis of ICAR Model Act</i>
3.30pm-5.00pm	Technical Session III <i>Theme: Present status of implementation of ICAR Model Act</i>
5.00pm-6.00pm	Special Session: Lecture by Dr. BB Singh, Senior Cowpea Breeder IITA on "Challenges and opportunities for Indian SAUs to achieve excellence"
7.00pm-8.30pm	Cultural Programme
8.30 pm Onwards	Dinner
June 29, 2019	
10.00am-11.30am	Session: IV <i>Theme: Strategic planning for implementation of ICAR Model Act</i>
11.30am-1.00pm	Session :V <i>Theme: State Governments interventions for the adoption of uniform ICAR Model Act</i>
1.00pm-2.00pm	Plenary Session
2.00pm-3.00pm	Lunch
3.00pm-onwards	Meeting of the ICAR Model Act Revision Committee
8.00pm onwards	Dinner (Hotel Taragarh Palace)

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10th Brain Storming Session on ICAR Model Act Revision
CSK Himachal Pradesh Krishi Vishvavidalya Palampur Programme:
Technical Sessions (June 28-29, 2019)







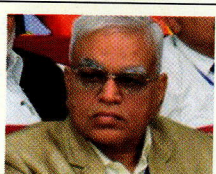



Technical Session: I, June 28, 2019 (12:00 noon-1:15 pm)		Technical Session: II June 28, 2019 (2:00pm-3:15pm)		Technical Session: III June 28, 2019 (3:15pm-5:00pm)	
Theme: University Governance, Quality Assurance and ICAR Model Act		Theme: Present status of implementation of ICAR Model Act		Theme: SWOT Analysis of ICAR Model Act	
Chairman	Mr. B.K. Agarwal, Chief Secretary, Government of HP	Chairman	Dr. A.R. Pathak, VC, JAU, Junagadh	Chairman	Dr. A.R. Pathak, VC, JAU, Junagadh
Co-chairman	Dr. A.R. Pathak, VC, JAU, Junagadh	Co-chairman	Prof. (Dr) N.C. Patel, VC, AAU, Anand	Co-chairman	Prof. (Dr.) N.C. Patel, VC, AAU, Anand
Lead /Keynote Speaker	Dr. SS Chahal, Ex Vice Chancellor MPUAT, Udaipur	Keynote/Lead speaker	K.P. Vishwanatha VC, MPKV, Rahuri	Keynote speaker	
Panel Discussion		Panel Discussion		Panel Discussion	
Moderator	Prof. Ashok K. Sarial Vice-Chancellor, CSKHPKV, Palampur	Moderator	Prof. Ashok K. Sarial, Vice-Chancellor, CSKHPKV, Palampur	Moderator	Prof. (Dr.) Vishnu Sharma, VC, RAJUVAS Bikaner
Panelists	Prof. Vishnu Sharma Vice Chancellor SKRAU, Bikaner	Panelists	Dr. K P Viswanatha, VC, MPKV, Rahuri	Panelists	Dr. N. Kumar, VC, TNAU Coimbatore
	Dr N.H. Kelawala, Vice Chancellor KU, Gandhinagar		Dr S.D. Sawant, Vice Chancellor DBSKKV, Dapoli		Dr C. Chattopadhyay Vice-Chancellor UBKV, Coochbehar
	Dr. K.S. Risam, VC, SKUAST, Jammu		Dr. Ashok K. Patel VC, SDAU, SK Nagar		P.K. Aggarwal, Vice Chancellor OUA&T, Bhubaneswar
	Dr. N Kumar, Dean, COA, UAS Hassan		Dr V. Damodara Naidu, VC, ANGRAU, Guntur		Dr. K.S Risam VC, SKUAST, Jammu
Rapporteurs	Dr. (Mrs.) Sanjita Sharma, Dean PG Institute of Vet. Edu. & Res, Jaipur	Rapporteurs	Dr. Gaya Parsad VC, SVBPUAT,	Rapporteurs	Dr. YS Dhaliwal and Dr. HK Chaudhary
	Dr P.K. Mehta, Dr Virender Kumar		Dr Ashwani Kumar Basandrai, and Dr. Parveen Kumar Sharma		

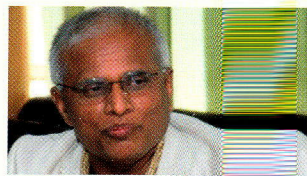
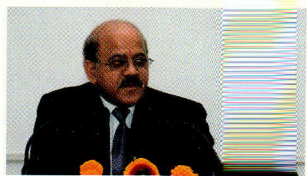
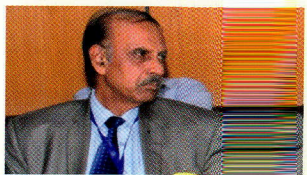
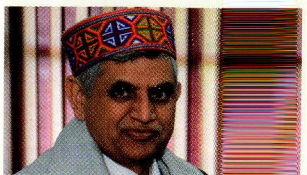
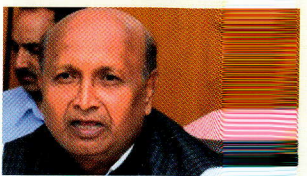

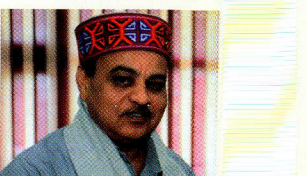
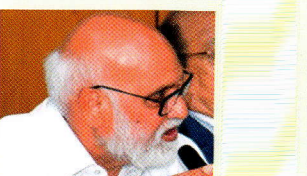
Special session (5.00pm-6.00PM) Lecture by Dr. BB Singh, Senior Cowpea Breeder, IITA Topic: Challenges and opportunities for Indian SAUs to achieve excellence Chairman Dr. A.R. Pathak Co-chairman: Prof. Ashok Kumar Sarial.				
Cultural program: 7.00pm-9.00 pm				
Technical Session: IV, June 29, 2019 (9:30am-10:45am)		Technical Session: V, June 29, 2019 (11:15am-01:00pm)		Plenary Session June 29, 2019 (2:00pm-3:30 pm)
Theme: Strategic Planning for Implementation of ICAR Model Act		Theme: State Governments interventions for the Adoption of Uniform ICAR Model Act		
Chairman	Dr. N.S. Rathore, DDG (Edu.)	Chairman	Dr. N.S. Rathore, DDG (Edu.)	Chairman Dr. N.S. Rathore, DDG Education, ICAR New Delhi
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Keynote/Lead Speakers	Prof. (Dr.) Vishnu Sharma, VC, RAJUUVAS, Bikaner	Keynote/Lead Speaker	Dr. S.S. Chahal, Ex VC, MPUAT, Udaipur	Chief guest Sh. Shanta Kumar ji, Ex. Union Minister, Chief Minister HP and Member Parliament
				Presentation of reports, Dr. Ashwani Kumar Basandrai
Panel Discussion Moderator		Panel Discussion Moderator		Vote of Thanks
Dr. Ashok K Sarial, VC, CSKHPKV, Palampur		Dr. S.D. Sawant Vice Chancellor DBSKKV, Dapoli		Dr. Ashok K. Sarial, VC, CSKHPKV, Palampur
Panelists	Dr. V. Praveen Rao, VC, PITSAU, Hyderabad	Panelists	Dr. V.M. Bhale, VC, PDVK Akola	
	Dr. V.S. Tomar, Ex. VC, JNKVV, Jabalpur		Dr. Rameshwar Singh, VC, BASU, Patna	
	Dr. A.S. Dhawan, VC, VNMKV, Parbani		Dr. J.S. Kennedy, Dean PGS TNAU, Coimbatore	
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	Dr. S.D. Sawant, VC, DBSKKV, Dapoli		Dr. S.S. Narkhade, Director Instructions DBSKKV, Dapoli	
Rapporteurs	Dr. Mandeep Sharma and Dr. Madhumeet Singh	Rapporteur	Dr. R.K. Agnihotri and Dr. D.K. Vatsa	



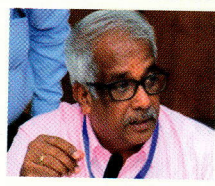

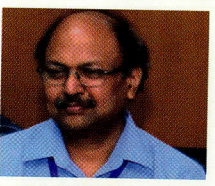
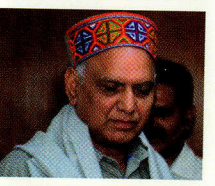
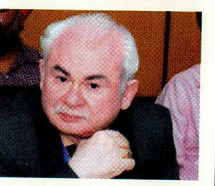


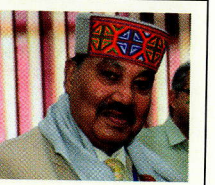


List of the participating Vice Chancellors and other dignatories



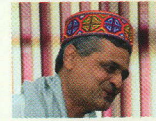




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24	Dr. R.P. Singh, Executive Secretary, IAUA	



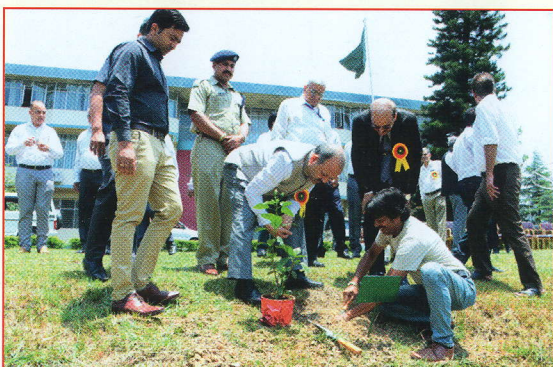
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**A pledge to beautify CSK HPKV Palampur Honourable
Vice Chancellors & other dignitaries Planting saplings of *Hibiscus***



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June 28-29, 2019*



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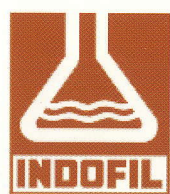
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