



Vol. 4, Issue 3

K. K. Wagh Education Society's

K. K. Wagh Agriculture & Allied Colleges

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▲ Celebration of World Food Day



World Food Day was celebrated on 16th October, 2016. Mrs. Shweta S. Malkar, Manager and Mr. Sachin Jadhav, Deputy Manager

State Bank of India, Adgaon branch was the Chief Guest for the function and they guided the students about the scope of Food Technology. Poster Presentation Competition was also organized for the VII Semester Hands on Training students and prizes were distributed.

▲ Celebration of Gandhi Jayanti and Swacha Bharat Abhiyan



On 2nd Oct, 2016 Gandhi Jayanti and Swacha Bharat Abhiyan was organised at K. K. Wagh College of Food Technology, Nashik.

Speeches related to inspirational journey of Bapuji were delivered by Staff and NSS volunteers. Premises of the college was cleaned by staff and student.

▲ Celebration of Karmaveer Kakasheb Wagh Jayanti



On 26th Oct, 2016 Karmaveer Kakasheb Wagh Jayanti was organised at K. K. Wagh Agriculture and allied colleges. Speeches related to his inspirational journey of establishment of K. K. Wagh Education Society, were delivered by Staff.



▲ Alumni Meet:

Third Alumni Meet of K. K. Wagh College of Agril. Engg. and Technology was arranged on 11th December, 2016. The alumni from various regions such as Nashik, Pune, and abroad Thailand, who are working in various Industries, Bank as well as entrepreneurs working in Agricultural field were present for this programme. Hon. Dr. Raju Bhujbal, Assistant Commissioner of Police, Nashik and Mr. Sunil Deshmukh, Branch Head, UCO Bank were the chief guest of this function. They shared their experiences



Principal of K. K. Wagh College of Agril. Engg. and Technology and K. K. Wagh College of Food Technology with the chief guest Dr. Raju Bhujbal, Assistant Commissioner of Police, Nashik and Mr. Sunil Deshmukh, Branch Head, UCO Bank in Alumni Meet

▲ Celebration of Teachers Day and World Literacy Day



Teachers day and World Literacy Day celebrated by K. K. Wagh College of Agril. Biotechnology on 8th September, 2016



Vachan Prerana Din celebrated by K. K. Wagh College of Agril. Biotechnology on 15th October, 2016

Organization of Blood Donation Camp



K. K. Wagh Agriculture and Allied Colleges organized Blood Donation camp on 10th September, 2016. 220 blood bags were collected during this camp

Tours/Visits of the students

Visits were arranged by the agriculture and allied colleges to acquaint students with the practical knowledge and introduce with the new machineries and current technologies used by the companies or institutes.

S.N.	Name of Department	Place of Visit	Date
K. K. Wagh College of Agricultural Engineering & Technology, Nashik			
1	Farm Soil Water Conservation Engg.	International Exhibition, Krishithon -2016, Dongre Vastigruha, Dist. Nashik	26/11/2016
2	Farm Structure	Polyhouse at Ambegaon and A. D. Wines, Tal. Dindori, Dist. Nashik	21/09/2016
3	Electrical And other Energy	Dr. Vitthal Rao Vikhe Patil Sugar Factory, Pravaranagar, Loni. Dist. Ahmednagar	17/09/2016
4	Agril Process Engineering	Rajhans Dairy, Sangamner, Dist. Ahmednagar.	17/09/2016
5	Soil Water Conservation Engg.	NHRDF, Chittegaon, Dist. Nashik MERI, Dist. Nashik	16/09/2016
6	Soil Water Conservation Engineering	Ralegan Siddhi and Hivarebazar Watershed, Tal. Pathardi Dist. Ahmednagar MPKV Rahuri, Dist. Ahmednagar and Bhandardara Dam, Dist. Nashik	16/09/2016 to 17/09/2016
K. K. Wagh College of Agriculture, Nashik			
1	RAWE Students	KVK, YCMOU, Nashik	14/10/2016
2	Agril. Botany and Agronomy	Bajara Research Station and KVK at College of Agriculture, Dhule	26/09/2016
3	RAWE Students	Vijay Agro Industries At Post Kasabe Sukene Tal. Niphad, Dist. Nashik	19/09/2016 to 26/09/2016
4	RAWE Students	Poorva Chemtech Pvt. Ltd., Shree Samarth Co-op., Indl Estate, Mukhed Road, Pimpalgaon (B)	19/09/2016 to 23/09/2016
5	RAWE Students	Jaldhara Drip Irrigation Pvt. Ltd., Sinnar Audhogik Wasahat, Musalgaon, MIDC, Tal:- Sinnar, Dist:-Nashik	18/09/2016 to 25/09/2016
K. K. Wagh College of Agricultural Biotechnology, Nashik			
1	Crop Science	NHRDF, Chitegaon phata, Niphad, Nashik. Godavari Bio-fertilizers, Sinnar, Nashik	7/10/2016
2	Plant Biotechnology	Rajiv Gandhi Zoological Park, Pune KVK, Baramati NIASM, Baramati Kas Pathar, Satara	3/10/2016 to 5/10/2016
3	Post Harvest & Food Biotechnology	Rajdhir Winery, Satana	12/09/2016
4	Plant Tissue Culture	State Level Biotechnology centre, Horticulture Department, Medicinal Garden, MPKV, Rahuri	06/09/2016
K. K. Wagh College of Food Technology, Nashik			
1	Food Chemistry and Nutrition	Dr. BSKKV, Dapoli	8/11/2016
2		Parle Foods Pvt. Ltd. Khopoli	7/11/2016
3		Grainotch Pvt. Ltd., Aurangabad	20/10/2016 & 21/10/2016
4		Mala's Foods Pvt. Ltd., Pune	16/10/2016
5		Mapro Pvt. Ltd., Pune	15/10/2016
6		Scandic Foods Pvt. Ltd., Pune	14/10/2016
7	Food Engineering	Parle Foods, Khopoli	23/09/2016
8		Mapro Pvt. Ltd. Pune	22/09/2016
9		Scandic Foods Pvt. Ltd, Pune	21/09/2016
10	Food and Industrial Microbiology	Sula Winery, Nashik	02/09/2016
K. K. Wagh College of Horticulture, Nashik			
1	Horticulture	Vishveshweraya science Museum, Lalbag Garden, Bangalore	31/12/2016
2		Indian Institute Of Horticulture Research (IIHR), Bangalore	30/12/2016

K. K. Wagh College of Horticulture, Nashik				
3	Horticulture	GKVK campus, Bangalore	30/12/2016	
4		Post harvest technology Dept, Bangalore	29/12/2016	
5		Cereal grain and fish and meat Department, CFTRI, Mysore	29/12/2016	
6		Botanical garden, Rose garden, Mysore	28/12/2016	
7		TNAU, Coimbatore	27/12/2016	
8		Papaya Nursery, Nashik	05/10/2016	
9		NIPHT, Talegaon dabhade, Pune	16/09/2016	
10		NRC, Grape Manjari, Pune	15/09/2016	
11		NRC, Onion & Garlic Rajgurunagar Hi-tech Floriculture project, Pune	14/09/2016	
12		Tapovan Nursery, Nashik	12/09/2016	
13		Jain Irrigation plant, Jalgaon	10/09/2016	
14		Bohra Nursery, Nashik	09/09/2016	
15		Sahyadri Farm and Vibha Nursery, Nashik	03/09/2016	
K. K. Wagh College of Agriculture Business Management, Nashik				
1		Agriculture & Allied Sciences	Krishithon Agricultural Exhibition, Nashik	25/11/2016 & 26/11/2016
2	Agriculture Marketing	Mahabeej Industries, Akola	24/09/2016	
3	Agriculture & Allied Sciences	Dr. PDKV, Akola	23/09/2016	
4	Agriculture Business Management	Jain Irrigation, Jalgaon	22/09/2016	
5		Sahyadri Farms, Nashik	19/09/2016	
6		Atul Industries, Ambad	14/09/2016	
7		Govt Nursery & NAFED office Pimpalgaon(B)	03/09/2016	
8		Sakal Agrowon Agril Exhibition, Pimpalgaon(B)	03/09/2016	



Interaction with Hon. Anna Hazare by T.Y.B.Tech. students and staff members, Ralegan Siddhi, Tal. Pathardi Dist. Ahmednagar on 16/9/2016



Visit of T.Y.B. Tech Students to FMP Dept. at M.P.K.V. Rahuri, Dist. Ahmednagar on 17/9/2016



Visit of S.Y. B.Sc Agriculture students at Bajra Research Station, Dhule on 26/09/2016



Visit of Third Year Bio. Tech. Students to KVK, Baramati on 04/10/2016



Visit of Third Year Food Technology students to Grainotch Pvt. Ltd., Aurangabad on 21/10/2016



Visit of Final Year Food Technology students to Bakery unit Dr. BSKKV, Dapoli on 8/11/2016



Visit of Third Year B.Sc. Horticulture students to Floriculture and Landscaping Department, TNAU, Coimbatore campus on 27/12/2016



Visit of Third Year B.Sc. Horticulture students to IIHR, Bangalore on 29/12/2016

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Visit of Second Year ABM students to Govt Nursery, Pimpalgaon Baswant on 03/09/2016



Visit of Third Year ABM students to Atul Industries, Ambad MIDC, Nashik on 14/09/2016

1. Human Resource Development

Training / Seminar / Workshop attended

S.N.	Trainings/ Seminars /Workshops attended	Name of the Staff	Date
K.K.Wagh College of Agricultural Engineering and Technology, Nashik			
1	One day workshop on "Food Processing" at Hotel Surya Rennisance, Nashik.	Prof. D.S.Mondhe	07/10/2016
K.K.Wagh College of Agriculture, Nashik			
1	National symposium on 'Plant health management for sustainable Agriculture' at College of Agriculture Udgir, Latur	Prof. K. P. Patil Prof. D. S. Kadam	11 th to 12 th December 2016(2 days)
2	National Conference On 'Innovative and Current Advances In Agriculture and Allied Sciences (Icaas-2016)' at Prof. Jayashankar Telangana State Agricultural University, Rajendra nagar, Hyderabad (Telangana)	Prof. S. B. Aware	10 th - 11 th December 2016(2 days)
3	National conference on 'Current trends in bio sciences medicinal plants their scientific validation and novel application' at PVP College of Art, Science and Commerce, Pravaranagar	Prof. K. P. Patil Prof. D. S. Kadam	9 th to 10 th December 2016(2 days)
4	14 th International <i>Trichoderma</i> and <i>Gliocladium</i> Workshop (TG2016) at College of Agriculture, Nagpur (M.S.)	Prof. T. B. Ugale	27 th to 30 th November, 2016(4 days)
5	Faculty Development Program on 'Teaching Skills' at Senior College, Saraswati Nagar, Nashik	Prof.A. S. Mochi, Prof.A.S.Rathod, Prof.S.B.Tupe and Prof.K.P. Patil	6 th October, 2016(1 day)
6	International Conference on "Impact of Globalisation on cross-cultural issues in Science and Technology, Commerce Management, Arts and Media" at R.N.C. Arts, J.D.B. Commerce & N.S.C. Science College, Nashik	Prof.U. A. Pawar	13 th to 14 th September, 2016(2 days)

2. Extension Activities

A. Radio Talk

S.N.	Name of Programme	Name of Staff	Date
K.K.Wagh College of Agriculture, Nashik			
1	<i>Limbu vargiy fal pikanche rog vyavasthapan</i>	Prof. K. P. Patil	30/12/2016
2	<i>Phalpikanche Thandipasun Sanrakshan</i>	Dr. S. S. Bomare	29/12/2016
3	<i>Draksh Bageche Phulora Avasthetil Khat va Pani Vyavasthapan</i>	Prof. Y. R. Kadam	27/12/2016
4	<i>Aapatkalin Paristhitit Rabi Pikanche Niyojan</i>	Prof. S.V. Sonawane	17/12/2016
5	<i>Mahilansathi Bhajipala Prakriya Udyogatil Sandhi</i>	Prof. P. B. Pawar	28/11/2016
6	<i>Grafting nantarche draksh bageche pik sarankshan</i>	Prof. T. B. Ugale	22/09/2016
7	<i>Sendriya karb vadhavinyachya padhatti aani fayade</i>	Prof. B. R. Waghmode	19/09/2016
K.K.Wagh College of Agril. Biotechnology, Nashik			
1	<i>Bhatshetisobt Matsya Utpadan</i>	Prof. N. S. Chavan	24/12/2016
2	<i>Rabi Bhajipala pikanche ekatmik kid rog niyantran</i> (Part-I) (Part-II)	Prof. H.V.Deshmukh	13/10/2016 16/10/2016
3	<i>Aushadhivanaspatimadhil utisavardhanache yogdan</i>	Prof. T. A. Pagar	10/10/2016
4	<i>Dhingri Alimbi lagvad Tantradnyan</i>	Prof. S. A. Patil	26/09/2016

B. Popular Articles Published

S.N.	Name of Article	Name of Staff	Publication Details
K.K.Wagh College of Agricultural Engineering and Technology, Nashik			
1	<i>Hantgruhatil Sheti Kalachi Garaz</i>	Prof. A. S. Patwardhan	Lokmangal Sheti Pratik, Monthly Magazine, December, 2016
K.K.Wagh College of Agriculture, Nashik			
1	<i>Dughdha utpadan vadhisathi kara azollacha vapar</i>	Prof. D.S. Kadam & Miss. J. K. Jagtap	Krushisevak magazine 21 to 27 th Nov., 2016, Page no. 7
2	<i>Drakshavar Spodoptera aali - Savadh vha, Niyantran kara</i>	Prof T. B. Ugale Prof. A. S. Mochi & Dr. S. M. Hadole	Daily Agrowon Grape Special Issue, 5 th October, 2016
K.K.Wagh College of Agricultural Biotechnology, Nashik			
1	<i>Janavaranche kara darroj nirikshan</i>	Prof. A. S. Gawali, Prof. L.S. Palshikar & Prof. T. A. Pagar	Agrowon; 27 th December, 2016
2	<i>Dudhal janavaranchi kalaji ghya</i>	Prof. A. S. Gawali	Agrowon, 22 nd Dec., 2016
3	<i>Janavarannadhil aajaravar prathamik upayojana</i>	Prof. A. S. Gawali	Agrowon; 15 th December, 2016
4	<i>Paliv janavarannanil gochid : niyantran upay yojana</i>	Prof. A. S. Gawali	Krushisevak saptahik; 12 - 18 th December, 2016
5	<i>Janavaratil potphugi: karane, lakshane, prathamopchar</i>	Prof. A. S. Gawali	Agrowon ; 18 th November, 2016
6	<i>Chara tanchaivar 'murghas'</i>	Prof. A. S. Gawali	Krushisevak saptahik; 14 - 21 st November, 2016
7	<i>Fulzadanchya vadhtya magnisathi utisavardhan tantradnyan</i>	Prof. S. S. Kharade	Krushisevak saptahik; 10 th October, 2016
8	<i>Gulvel Lagwad v stav utpadhan Padhatti</i>	Prof. N. S. Chavan	Krushisevak saptahik; 1 9 - 25 th September, 2016
K.K.Wagh College of Horticulture, Nashik			
1	<i>Shettalyatil Undranchya trasaver upay</i>	Prof.B.B. Tayade & Prof. Y.D. Mehetre	Krushibhushan July - September, 2016
2	<i>Bhajipalyavani Pramukh Kidi</i>	Prof. S.B. Vidhate	Krushibhushan July - September, 2016
3	<i>Bhajipalyache kadhniatrache Vavsthan</i>	Prof.Y.D.Mehetre & Prof. S. M. Karkute	Krushibhushan July - September, 2016
K.K.Wagh College of Agriculture Business Management, Nashik			
1	<i>Neem coated Urea che fayde</i>	Prof. A.K. Babar	Agrotech Magazine, December, 2016

C. Research Paper Published

S.N.	Name of Article	Name of Staff	Publication Details
K.K.Wagh College of Agricultural Engineering and Technology, Nashik			
1	Preparation of Soil Map of Gangapur Sub Catchment Using Laboratory Test, Remote Sensing and GIS Technology	Prof. A. S. Patwardhan and Prof. R.D. Bansod	Progressive Research-An International Journal, Volume.11 (Special Issue) Year 2016
K.K.Wagh College of Agriculture, Nashik			
1	Antimicrobial activities of Important Mushroom Against <i>Fusarium oxysporum</i>	Prof. D. S. Kadam	Proceeding of National conference on current trends in bio sciences medicinal plants their scientific validation and novel application Page no-42
2	Antimicrobial activities of Important Mushroom Against <i>Alternaria solani</i>	Prof. K. P. Patil	Proceeding of National symposium on Plant health management for sustainable agriculture, Page no-58
3	Studies on variability in <i>Alternaria solani</i> causing early blight of tomato	Prof. K. P. Patil	Proceeding of National symposium on Plant health management for sustainable agriculture, Page no-58
4	Biosynthesis of Silver Nano particles from <i>Trichoderma</i> under Optimizing Physical Condition	Ugale T.B, Palekar K. S., Patil S. A. and Shirke S.D.	Souvenir of 14 th International Trichoderma and Gliocladium Workshop (TG2016) Principles to Practice
5	Estimation of socio-economic characteristics of selected chrysanthemum growers in Ahmednagar district of Maharashtra state	Prof. S.B. Tupe	Multilogic in science. Vol.VI, issue XVIII, Oct-2016
6	Epidemiological studies of on early blight of tomato in western Maharashtra in kharif season	Prof. D. S. Kadam	Advances in Life Sciences 5(18), Print : ISSN 2278-3849, 7709-7714, 2016

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7	Epidemiological studies of on early blight of tomato in western Maharashtra in rabi season	Prof. D. S. Kadam	Advances in Life Sciences 5(18),ISSN 2278-3849,7766-7771 2016
8	Epidemiological studies of on early blight of tomato in western Maharashtra in summer season	Prof. D. S. Kadam	Advances in Life Sciences 5(18), Print : ISSN 2278-3849, 7733-7738, 2016
9	Efficacy of different fungicides against alternaria alternate causing leaf leaf spot of china aster in vitro	Prof. D. S. Kadam	Advances in Life Sciences 5(18), Print : ISSN 2278-3849, 7941-7942, 2016
10	Studies on Impact of Inorganic and Integrated Use of Nutrients on Yield, Quality of Green Gram (<i>Vigna Radiata L.</i>) Vis-A-Vis Chemical Properties of Calcareous Soil of Gujarat	Prof. S. B. Aware	The Bio Scan, An International Quarterly Journal Of Life Science. Vol 11(3): Page. 1755-1758, 2016
11	Yield Potential and Nutrient Uptake by Green Gram (<i>Vigna Radiata L.</i>) through Integrated Nutrient Management	Prof. S. B. Aware	Progressive Research, An International Journal, Volume 11 (Special Issue) Year 2016

K.K.Wagh College of Agricultural Biotechnology, Nashik

1	Assessment of salt stress tolerance at germination and seedling Stage	Prof. N. S. Chavan	Progressive Research International Journal, Volume 11. Page No. 3731-3734
2	Quantitative Estimation of Curcuminoids from Rhizome Extract of Curcuma longa through HPLC and TLC Profiling	Prof. N. S. Chavan & Prof. S. S. Kharade	Progressive Research International Journal, Volume 11. Page No. 3735-3737

K.K.Wagh College of Horticulture, Nashik

1	Variability studies in pea (<i>Pisium sativum L.</i>) with respect of growth, yield and yield attributes parameters	Prof. B. B. Tambolkar, N. H. Chavan and S. B. Vidhate	International Journal of Tropical Agriculture, www.serialsjournals.com , ISSN: 0254-8755, Volume 34, Issue 6, Page No. 1765-1767
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K.K.Wagh College of Agriculture Business Management, Nashik

1	Status of Wine Consumption in Pune Region of Maharashtra State	Prof. S. J. Patil and Prof. K. P. Jadhav	Advances in Life Sciences 5 (19), Print: ISSN 2278-3849, pp 8283-8285, 10/2016
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6	Spiritual Guidance	Mr. Hardik Rana, Director and Assistant Professor	09/09/2016
7	Higher Education in Bakery Technology	Mr. Aniket More, Assistant Professor	03/09/2016

K.K.Wagh College of Horticulture, Nashik

1	Opportunities in mushroom business	Mr. Kiran Pawar	27/09/2016
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K.K.Wagh College of Agriculture Business Management, Nashik

1	Management of Dairy Farm	Dr. Chandrakiran Sant, Dairy Advisor, Cattle Nutrition & Livestock Management Centre, Mumbai	07/09/2016
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Dr. A. A. Atre, Associate Professor, Dr. Annasaheb Shinde College of Agril. Engg. and Technology, MPKV, Rahuri delivering Lecture on 'Higher Studies and Future Opportunities for Agriculture Engineers' on 9th December, 2016



Mr. K. T. Suryawanshi, Junior Research Associate, MPKV Rahuri delivering lecture on 'Plant Quarantine' on 8th October, 2016



'A way of working in corporate Companies' by Mr. Alok Ranjan, Deputy Manager, YARA Fertilizers, Maharashtra on 29th Sept., 2016



Mr. Atul Vedpathak, District Development Manager, NABARD, Nashik Division, Nashik providing information of different schemes of NABARD to the Students on 3rd October, 2016

D. Guest Lectures arranged by Agriculture and Allied Colleges

S.N.	Topic	Resource person/Institute	Date
K.K.Wagh College of Agriculture, Nashik			
1	Higher Studies and Future Opportunities for Agriculture Engineers	Dr. A. A. Atre, Associate Professor, Soil Water Conservation Engineering Dept., MPKV, Rahuri	09/12/2016
K.K.Wagh College of Agriculture, Nashik			
1	Plant Quarantine	Mr. K. T. Suryawanshi, Junior Research Associate, MPKV, Rahuri	08/10/2016
2	Different Schemes of the NABARD and their Benefit to the Farmers and new Entrepreneurs	Mr. Atul Vedpathak, District Development Manager, NABARD, Nashik Div., Nashik	03/10/2016
3	A way of working in corporate companies	Mr. Alok Ranjan, Deputy manager, Development, YARA fertilizers, Maharashtra	29/09/2016
4	Use of Information Technology in Agriculture	Mr. Keshav Barkale, Sales Executive, Pimpalgaon (B.) Nashik	29/09/2016
5	Fertilizer policies in India	Mr. Yogesh Shirole, YARA fertilizers, Sales Executive, Ahmednagar & Nashik	29/09/2016
6	Integrated Pest Management	Mr. Ravikiran Jadhav, Zonal Manager West Sales, Pest Control of India	09/09/2016
K.K.Wagh College of Food Technology, Nashik			
1	Career Prospectus in Agri Business and Finance	Mr. S. R. Patil, Director RSETI, Bom, Nashik	3/10/2016
2	Marketing Strategies	Mr. Vedanshu R. Patil, Entrepreneur	28/09/2016
3	Processing of Bakery Products (Conducted lecture as well as Practical demonstration of making bread and black forest cake)	Mr. P. A. Pandit, Lecturer MGU's Hotel Management College, Nashik	26/09/2016
4	Analytical Techniques used for Food Analysis	Mr. Jitendra D. Gaddameedi, Research Scholar	23/09/2016
5	Wine Fermentation	Mr. Shagith Prakash, Assistant Wine Maker	14/09/2016



Mr. Ravikiran Jadhav, Pest Control of India, Maharashtra giving information regarding Integrated pest Management to students on 9th September, 2016



Mr. P. A. Pandit, Lecturer, MGU's Hotel Management College, Nashik addressing students on topic entitled 'Processing of Bakery Products' on 26th September, 2016



Dr. Chandrakiran Sant, Dairy Advisor, Cattle Nutrition & Livestock Management Centre, Mumbai addressing students on topic entitled 'Management of Dairy Farm' on 7th September, 2016

E. Expert Lectures Delivered by Staff



Prof. B. R. Waghmode delivered lecture on Improved Package of Practices on Cultivation of Wheat at Kalvan Tal. Nashik on 18th Nov., 2016



Prof. T. B. Ugale giving information to Farmers regarding Integrated Pest Management of Tomato at Agaskhind, Tal:- Sinnar, Dist Nashik in Program Agro Snawad, Organized by Daily Agrowon on 18th December, 2016



Prof. H.V. Deshmukh delivering lecture as SMS in farmers training programme on Cultivation of Soybean, under Rashtriya Annasurksha Abhiyan on pulses production at Thepanpada., organized by Taluka Agriculture Department, Dindori, Nashik, on 23rd September, 2016

4. Visit of Dignitaries



Dr. Ram Kharche, Vice Chairman, MCAER visited K. K. Wagh Agriculture and Allied Colleges on 2nd October, 2016



Dr. O. S. Bihade Executive director, Raisoni Group of Institutions, Nagpur visited to K. K. Wagh Agriculture and Allied Colleges on 16th September, 2016

5. Research Highlights

Studies on Physiological and Molecular responses of rice under drought stress

Ms. N. S. Chavan, Ms. Patil Namrata, Ms Priya Shah, Ms Ahirrao Megha, Mr. S. A. Belge and Mr. Kabade Prashant, Department of Plant Biotechnology, K. K. Wagh College of Agricultural Biotechnology, Nashik

Abstract : Rice is sensitive to moisture stress and in view of the water scarcity in the coming years, it is imperative to evaluate the performance of rice cultivar under moisture deficit. Studies reveal that drought tolerance in rice coded by same molecular factors such as DREB gene. The present study aimed to evaluate the molecular and physiological responses of six rice varieties viz. Kundalika, Indrayani, RDN-6, Phule Radha, Phule Mawal, and PKV HMT. Among these lines Indrayani, Phule radha, Kundalika, RDN-6 and Phule mawal were found tolerant at drought stress and one line PKV-HMT was found susceptible. The PCR analysis for OsDREB1A, OsDREB1B, OsDREB1C, OsDREB1D, OsDREB1E, OsDREB1ASNP for six varieties viz. Kundalika, Indrayani, RDN-6, Phule radha, Phule mawal and PKV-HMT reveals that presence of allelic diversity for OsDREB1D gene in two varieties (Indrayani and Phule mawal) among these six varieties. Under drought stress decrease in RWC and chlorophyll content was observed in PKV-HMT,

whereas moderate decline was observed in Phule mawal, Indrayani, Phule radha, RDN-6 and Kundalika. In drought tolerance varieties, increased proline, total soluble sugar (TSS) and glycine betaine content were found under drought stress. These results indicate that, varieties might be tolerance to drought stress.

Key words: Rice, Drought stress, Physiological and molecular response, Allelic diversity, RWC, Proline, TSS, Chlorophyll content, Glycine betaine and Stress tolerance

6. Moments of the Pride



Mr. Varun Jagannath Pachpend student of Agril. Biotechnology college got Guvant Krushi Vidyarthi Puskarak in Krushithon- 2016 held at Nashik

6. Sports Activity

1. Mr. Somnath Thakare (T. Y. B.Sc. Agri.) selected in west zone Inter University football tournament is to be held at Barakatullah University, Bhopal (M. P.) from 4th to 12th January, 2017.
2. K. K. Wagh College of Agriculture Badminton team got 3rd prize in Inter Collegiate Badminton competition held at College of Agriculture, Shahada on 27th to 28th July, 2016.
3. Mr. Suraj Ahire (S.Y. B.Sc. Agri) got 1st prize in 1500 mtr running and 2nd prize in 800 mtr running competition held at College of Agriculture, Baramati on 24th to 25th October, 2016.
4. K. K. Wagh Agriculture College students Mr. Shubham Muchande (Volleyball), Mr. Mayur Khedkar (Volleyball), Mr. Suraj Ahire (Athletics), Mr. Kiran Magar (Kho-Kho) and Mr. Prashant Khairnar (Kho- Kho) selected in 20th Maharashtra State Inter University Krida Mahotsav Sports Meet-2016 held at Dr. Vasant Rao Naik Marathwada Krishi Vidyapeeth, Parbhani on 27th November to 1st December, 2016.
5. Mr. Ganesh Suresh Narsale (T. Y. Biotech) Participated in 9th GFI National Grappling Championship-2016 held at Talkatora Indoor Stadium, New Delhi from 9 to 11th August, 2016 and secured third position.

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8. Extracurricular Activity by students

1. Mr. Shubham Gavhane, T.Y.B.Tech student of K. K. Wagh College of Agril. Engg. and Technology got second prize in State Level Intercollegiate Elocution competition organised by Arts, Commerce and Science College, Tal. Shrirampur, Dist. Ahmednagar on 25/9/2016
2. Mr. Shubham Gavhane, T.Y.B.Tech student of K. K. Wagh College of Agril. Engg. and Technology got second prize in State Level Intercollegiate Debate competition and fourth prize in Elocution competition organised by New Arts, Commerce and Science College, Dist. Ahmednagar on 30/9/2016.
3. Mr. Rushikesh Shelar, S.Y.B.Tech student of K. K. Wagh College of Agril. Engg. and Technology got consolation prize in State Level Intercollegiate Debate competition organised by New Arts, Commerce and Science College, Dist. Ahmednagar on 30/9/2016.
4. Mr. Shubham Gavhane and Mr. Rushikesh Shelar, students of K. K. Wagh College of Agril. Engg. and Technology got second group prize in State Level Intercollegiate Elocution and Debate competition organised by New Arts, Commerce and Science College, Dist. Ahmednagar on 30/9/2016.
5. Mr. Shubham Gavhane, T.Y.B.Tech student of K. K. Wagh College of Agril. Engg. and Technology got consolation prize in State Level Intercollegiate Elocution competition organised by Yashwantrao Chavan Pratishthan, Mumbai on 22/12/2016
6. Mr. Dabhade Sushant Ramesh student of K. K. Wagh College of Agriculture Business Management got Scholar Student Award in Krishithon 2016
7. Mr. Pawan Khode student of K. K. Wagh College of Agriculture Business Management has got Silver Medal at National Level Tug of War Competition
8. Ms. Priya Rajesh Shah student of K. K. Wagh College of Biotechnology attended Summer Training Programme at CCMB, Hyderabad from 24/05/2016 to 24/07/2016.
9. Seven students of K. K. Wagh College of Biotechnology attended National Conference on Research Advance in Biotechnology at Sreenidhi Institute of Science & Technology, Hyderabad from 20/10/2016 to 21/10/2016

9. Career Academy

Two Guest Lectures were arranged by Career Academy

S.N.	Name of Speaker	Designation	Topic	Date
1.	Shri Yogesh Patil	IRTS, Nashik	MPSC UPSC chi kasha karavi tayari	27/08/2016
2.	Shri Rajendra Kachare	Deputy Collector, Nashik	Tayari Spardha Parikshanchi	25/06/2016

Installation of Micro Irrigation System Demo Plot at Mhasrul Farm by T.Y.B. Tech students with Prof. R. A. Pachore of K. K. Wagh College of Agril. Engg. and Technology



10. NSS Activities



Ganesh Murti Sankalan at Ramkund Panchwati Nashik by K. K. Wagh College of Food Technology on 15th September, 2016

11. Staff Extracurricular activity:



T. B. Ugale presented poster Entitled Biosynthesis of Silver Nanoparticles from Trichoderma Under Optimizing Physical Condition at 14th International Trichoderma and Gliocladium Workshop (TG 2016) Principles to Practice, College of Agriculture, Nagpur (M.S.) on 27th November, 2016



Prof. H.V. Deshmukh, awarded as State level Shikshan Ratna Award-2016 by Krishi Padvidhar Sanghatna in Youva Pratap state level sohala-2016 at kusumagraj Hall, Nashik on 02nd Oct. 2016, for Agril. Education & Agricultural Extension. By the hands of Hon. Dr. Ram Kharche, vice chairman, MCAER, Pune.

