



Matushri Virbaima Mahila Science & Home Science College, Rajkot.

Kalawad Road, Near Under Bridge, RAJKOT

PHONE NO. 091-281-2452997 email ID : mvmsscience@yahoo.co.in

(Accredited at "A" level by NAAC)

Self Appraisal Form for Teachers

I) (a) General Information

1	Name	Kalpana G. Vyas
2	Address (Residential) & Phone No.	B-302, sadguru vandana dham-3 5, Africa colony, opp. Raiya tele exchange, 150 ft. ring rd., Rajkot 360007 ® 0281-2584533 Mob-09428200533
3	Designation	Part time lecturer
4	Department	General Science Dept.
5	Date of Birth	9, oct, 1955
6	Area of Specialization	Biology, Microbiology
7	Date of appointment	
	(i) In the present institution	20, March, 1992.
	(ii) In the present post	- Do-
8	Honours conferred	1) JRF –UGC from 1978-1982. 2) Research associate-UGC 1984-1987. 3) 'Sanman Patra' by Sister Nivedita Charitable Trust, 1985

I) b) Academic qualifications:

Examination	Board/University	Subjects	Year	Division/Grade/
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passed				Merit etc.
S.S.C.E.	Guj. S.S.C.E.B'rd	Gen.- Science	1972	II nd class
B.Sc.	Saurashtra Univ.	Microbiology	1976	II nd class
M.Sc.	Saurashtra Univ.	Exp. Biology	1978	II nd class
Ph.D.	Saurashtra Univ.	“ “ -Ecology	1983	-----
Visharad	Guj. Rajya Sangeet Natak Academy	Sitar	2002	Ist class

II) (a) Research Experience & Training

Research Stage	Title of Work/ Thesis	University where the work was carried out
M. Phil or equivalent	-----	-----
Ph. D	'Nitrogen fixation by leguminous crop plants and interference thereof by dominant weeds'.	Biosciences Dept. Saurashtra University, Rajkot 1982
Post-Doctoral	'Utilization of allelopathy as means of weed control and increasing crop yield'.	Bioscience dept., Saurashtra Univ., Rajkot.
Publication (give a list separately)	Attached in separate sheet of paper	
Research Guidance (give names of Students guided successfully)	1) Mr. Nirav ghetia (Registered) 2) Ms Kajal Rupapara	Saurashtra University
Training (taken)	In molecular biological	Dept. of Microbiology,

	experiments	Univ. of Pune, Pune 2005.
Training (given to research scholars) as a resource person	Soil microbiological work	Center for 'Interdisciplinary Studies of Mountain & Hill Environment', Univ. of Delhi, April, 2007.

II (b) Research Projects carried out: (Attach a separate sheet if required)

Title of the Project	Name of the Funding Agency	Duration	Remarks
'Utilization of allelopathy as a means of weed control and increasing crop yield'	UGC Grant no. F.16-103/84(RF-1) Dated 3-7-'84	1984-1987 3 years	-----

(II) (c) Seminars, Conferences, Symposia, Workshops, etc. Attended

Name of the Seminars, Conferences, Symposia, Workshops, etc.	Name of the Sponsoring Agency	Place and Date	Title of the paper presented (if any)
1) Participated in workshop	Vikram Sarabhai Community Science Centre, A'bad	VSCSC, A'bad 10-02-90	To develop relevant material from environmental sciences for class VI, VII & VIII
3) Workshop on the first interim report	NPG-Dept. of Biosciences, Saurashtra Univ.	Biosciences Dept. Feb. 16, 1994	Environmental Impact Assessment study on flora and fauna of SSp's canal command area lying in Saurashtra and Kutch region

4) Workshop attended	CEE, Ministry of Environment & Forests, Govt. of Gujarat	Centre for Environment Education, A'bad, 2-6 January 1996	Environment and Development: Concerns and Efforts
5) workshop	C. V. Shah Homescience & C. U. Shah Arts & Comm. Mahila College Surendranagar	C. V. Shah Homescience college, Surendranagar 3-08-97	To design the curriculum for B. Sc. Homescience
6) 65 th Indian Science Congress	Indian Science Congress	Gujarat Univ., A'bad, 1978	attended
7) 68 th Indian Sci Cong	-Do-	Banaras Hindu Univ., Varanasi, 1981	attended
8) National symposium Proc. Dynamics of Energy flow in Biological Systems.	UGC	Bioscience Dept., Saurashtra Univ., Rajkot, Gujarat, India 1981.	Effect of <i>Celosia argentea</i> L. on dry weight production and yield of some kharif crops.
9) Proc IV. All India Botanical Conference	UGC	Calicut Univ., Calicut 1981.	Effect of <i>Celosia argentea</i> L. on nitrogen fixation by <i>Vigna mungo</i> L.
10) -Do-	UGC	-do-	Ecological studies on crop-weed relationships of wheat crop fields at Rajkot.
11) Proc V. All India Botanical Conference	UGC	Saurashtra Univ., Rajkot, Gujarat, India	Effect of <i>Celosia argentea</i> L. on root nodules and nitrogen contents of three leguminous crop plants.
12) -Do-	UGC	-Do-	The effect of tome of introduction in competition between moth bean (<i>Vigna</i>

			<i>aconitifolia(jacq.)arechal</i>) and <i>Celosia argentea</i> L. a weed
13) 69 th Indian Sci Cong	-do-	Univ. of Mysore, 1982	Attended
14) International Crane Conference	UGC	Department of Biosciences, Sau. Univ. in 1989	Attended
15) National Seminar	UGC-CSIR	Shri S.I.Patil Arts, G.B.patel Sci. & STSKV Sangh Comm. College, Shahada, Dist. Nandurbar(M.S) Feb.17-18, '07.	Possible use of allelopathy in biological weed control. Part-I
16) National Seminar on Science in Sanskrit Literature	UGC	J.Z.Shah Arts & H.P. Desai Comm. College, Amroli -Surat on 20 th March- 2007.	Science in Sanskrit Literature- Our Heritage
17) State level Seminar	UGC	Arts & Comm. Mahila College, Unjha (N.G.) on 11 th march 2007.	1)Menstruation and contraceptive methods
18) -do-	-do-	-do-	2) Menopause and management of menopausal syndrome
19) National Seminar on "Current problem of obesity in India"	UGC	Smt. R.P. Bhalodia Mahila College, Upleta 10,11, Jan., 2009.	Obecity and Hypertension- A study
20) State level seminar- 'Emerging trends and scope in Homescience'	UGC	M.V.M.Sc & Homescience College, Rajkot, Gujarat, India 1-02 2009	1)Making our mark- Ecological footprint
21) -do-	-do-	-do-	2)Water analysis of different sources
22) -do-	-do-	-do-	3)Pivana Panini gunvatta ane chakashni

23) International conference-3 rd LIMPACS (IGBP,PAGES):Holocene lake Records	CSIR,PAGES, ONGC,Punjab Univ, Chandirh, Kumao Univ, Nainital	Punjab Univ, Chandigarh 5 th -8 th March, 2009	Impacts and correlation of ecological and geographical patterns on various water bodies of Saurashtra region
24) national symposium on 'Recent Trends in Cellular Research'	Saurashtra Univ.	Biochemistry Dept., Saurashtra Univ., Rajkot. 9, march '09	attended
25) national level seminar on 'Literature and Creative Arts'	Gujarat Sahitya Academy, Gandhinagar	M. P. Arts and M. H. Commerce College for Women, Ahmedabad 22 on 29 th Nov. 2009	attended
26)national seminar on 'New Frontier in Life Sciences'		Dept. of Biological and Environmental Science, Natubhai V. Patel College of Pure & Applied Sciences, Vallabh Vidhyanagar, Gujarat on 19 th Dec. 2009.	An ignored story of indoor air pollution.
National Level Seminar on "New Frontiers In Life Sciences".	Deptt. Of Biological Sciences. NVPAS, V.V.Nagar	Vallabh Vidyanagar, Gujarat , 2009	Dangerous role Of Methane IN Heating Our Planet ".(Oral
27)national seminar on "Modern Perspectives in Home décor"	UGC	Smt. J. P. Shroff , GujaArts College, Valsad, Gujarat, on 24 th -25 th Jan. 2010.	'Chromo therapy and Home Décor'
28)national conference on 'Role of Home science in Social Well Being'	UGC	Smt. S. B. Gardi Institute of Home Science, Saurashtra University, Rajkot, on 7 th Feb., 2010.	New Approaches for Clothing: 'Organic and Bamboo clothing'
29)national level workshop on Nano Science and	UGC	Matushri Virbaima Mahila Science and Homescience College,	Attended

Nanotechnology: A curriculum development approach'		Rajkot, on 21 st Feb. 2010	
30)National Seminar on "Biochemistry, A Global Approach from molecules to cells"	UGC	Department of Biochemistry, Saurashtra University, Rajkot, on 30 th Jan., 2010.	Attended
31)MicrobesBT@MGSc 2011 "Current Developments in Microbial Biotechnology"	GSBTM, Gandhinagar	M.G.Science Institute, Navarangpura, Ahmedabad, on 2 january 2011	attended
32) National conference On Current Problems of Women Health In India	UGC	U.K. Vachhani Mahila Arts & Home Science College, Keshod, on 29, 30 Jan 2011	Today's scenario: Impact of Pollution on Health in adolescence girls of Urban areas
33) National conference on Environment and Climate	In association with International Society of Science & Technology, Mumbai	M.V.M. Science & Home Science College, Rajkot, on 13 Feb. 2011	Ecological Footprint
34) National seminar on Environment Education; Concerns, Sensitization & Action.	UGC sponsored National seminar	Faculty of Family and community science Dep.of Extension & Communication, Baroda. 24,25-1-2012	Environment education and sustainable development
National Seminar on Environment: Concern, Sensitization& Action	UGC	Dept. Of Extension & Communication, M.S University, Baroda. DT. 24 th &25 th January 2012	Environmental Education: Awareness & Action (Oral)
35) National seminar on "Gandhi thought, Ana movement and our education"	UGC sponsored National seminar	M.B.Arts and commerce College, Gondal 3-3-2012	Gandhiji's aim of education and contemporary education system

III) (a) Teaching Experience

Courses taught	Name of the University /College/ Institution	Duration
U.G.	MVM Sc & H Sc College	20 years
P.G.	1. Bioscience Dept. 2. Homescience Dept. 3. Biochemistry Dept.	6 years

III) (b) Total Teaching Experience:

(i) Under-graduate: **20 years**

(ii) Post graduate: **6 years**

Give list/lists separately for the following if required.

IV) Innovations / Contributions in Teaching

- a.** Design of Curriculum: 1) suggestions given in designing the curriculum which were accepted.
- 2) One of the expert in preparation of **Ist** and **IInd** semester Science Subjects in Home Science of Saurashtra University, Rajkot according to 'Choice Based Credit System' suggested by UGC for June, 2010 onwards.
- 3) One of the expert in preparation of **IIIrd** and **IVth sem.** *Science Subjects in Home Science of Saurashtra University, Rajkot according to 'Choice Based Credit System' suggested by UGC for June, 2011 onwards.*
- b.** Teaching Methods : **1)by** using chalk and duster
2) by drawing figures,
3) by slides shows, film shows,
4) by arranging expert lectures etc.
- c.** Laboratory experiments : first I demonstrate the practical then

Students can perform easily.

- d. Evaluation Methods :1) taking class test of each unit
2) test of drawing figures

3) by giving project work

4) group discussions

5) by laboratory performance
- e. Preparation of resource material Including book, reading materials, Laboratory manual etc.:

1) Reading materials are provided,

2) Writing books for the current syllabus.
- f. Remedial Teaching / Student :
Personal guidance to the weak students
- g. Counseling (academic): 1) motivating the school going students showing the importance of home science by Visiting the schools
2) guiding to the students and their parents to be given, why to take admission in Home Science, especially during admission time, since last 4 years.
- h. Any other: 1) guidance to prepare posters for the presentations for the seminars, symposia, conferences, etc.
2) appointed by University for the preparation of Question bank for T.Y.B.Sc.(Applied Microbiology)

3) IGNOU- GYANVANI- 7 talk/lectures given from October 2011-April 2012

4) IGNOU- - counseling for Theory and practical in M. Sc.
DFSM course of food Microbiology and safety 2010, 11,12.

5) 9 radio talks given on scientific and other topics Since1980.

6) Visiting faculty at Department of Home science, Saurashtra University, Rajkot, since last 4 years.

7) counseling for Ph. D. course- students of Bioscience, 2010-11,11-12.

V) Extension Work/Community Service:

a) Please give a short account of your contribution to:-

- i) Community work such as values of National Integration, secularism, democracy, socialism, humanism, Peace, Scientific temper, flood or drought relief, small family norms etc.:
- 1) Every year I participate in the celebration of 26th Jan. and 15th Aug at University as well as college, as my moral duty.
 - 2) Lectures attended (with students) given by Shri Moraribapu on “ Value added education” organized by Saurashtra Univ. in Jan. 2009.
 - 3) Attended “Matru Vandana Yatra” rally abhiyan organized by College and Saurashtra Univ . in the year 2007.
 - 4) To develop the scientific temper and to make aware about nature, film shows, trips, tree plantations are arranged.
 - 5) Given tribute to the victims acted by anti-terrorist activity at Mubai-Taj Dec. 2009.
 - 6) Forwards SMS related to national integration, secularism, democracy, humanism etc. towards the friends. it is also the new , innovative way.

ii) National Mission:

- 1) We all are one i.e., INDIAN
- 2) and our religion should be one i.e., HUMANITY

b) Position held/Leadership role played in organizations linked with Extension Work & National Service Scheme (NSS) or NCC or any other similar activity.

1. During college days, hold position of ‘General Secretary’ in this college. 1974-75.
2. passed ‘C’ certificate in NCC during college days 1975.
3. stood 1st in Gujarat for rifle shooting, 1974.
4. best cadet of 2 Guj Girl’s Btl in 1974-75.

VI) Participation in Corporate Life:

Please give a short account of your contribution to:-

a. College/ University/Institution:

- 1) member of library committee
- 2) actively participated & performed duties during Youth festival’ organized by University (college-host). 2006.
- 3) Sub editor of ‘College Quarterly Magazine for Inhouse Circulation- “MVM SPECTRUM”
- 4) Written an article under the heading ‘Science Facts’- “Carbon Credit and Pollution” in MVM Spectrum- Issue II, Apr. 2010.

- 5) Written an article under the heading "Collection of Gems"- in MVM Spectrum Oct. 2010, on "Rabindranath Tagore-Vishwa Kavi".

Co-curricular Activities:-

- 1) Like to explore nature
- 2) Bird watching
- 3) Like to hear Indian classical music

Enrichment of Campus Life:

- a. Motivate/encourage students towards all kinds of activities.
- b. Students Welfare & Discipline
- c. Membership/Participation in Bodies/Committees on Education and National Development:
 - 1) Life member of Community Science Center, Rajkot.
 - 2) Life member of Indian Women Scientists' Association (IWSA).
 - 3) Member of 'International Allelopathy Foundation' (IAF).
- d. Professional Organization of Teacher:
Member of 'Adhyapak mandal'

VII) (a) Membership of Professional Bodies, Societies etc.:

- 1) Member of 'Prabudha Koshtha', a cell of 'Bhartiya Janta Party'
- 2) Member of "Sangeet Saurabh" an organization arranging Classical music concerts.
- 3) Member of 'Sargam club'
- 4) Member of 'Sur Sansar'

(b) Editorship of Journals:

Sub editor of 'College Quarterly Magazine for Inhouse Circulation- "MVM SPECTRUM

VIII) State brief assessment of your performance indicating:

(a) Achievements:

Student's achievements are my achievements

(b) Difficulties faced:

So many times I faced the difficulties, but no matter, experiences made me confident.

(c) Suggestions for improvement:

IX) Step taken by you for the evaluation of the course/ programme taught:

Regular monthly test, ask assignments for each unit

X) Any other Information:

- 1) worked as a 'Project assistant' at Vikram Sarabhai Community Science Centre, A'bad-1990.
- 2) worked as a ' Project Officer' in "Prayog"-Community Science Center, Rajkot. '93-'94.
- 3) Appointed as a judge for "essay writing competition" at "Swarnim Gujarat" .2008.
- 4) Appointed as a judge for poster presentation by students at seminar 'Emerging trends and scope in Home science', Feb. 2009.
- 5) member of organizing committee of UGC sponsored state level seminar "Emerging trends in Homescience", 1st February 2009 at M. V. M. science and homesci. College, Rajkot.
- 6) Member of organizing committee of National Symposium on 'Recent trends in cellular research' at Biochemistry Dept., Saurashtra Univ., Rajkot, 9, March 2009.
- 7) member of organizing committee of "National conference on Environment and Climate" In association with International Society of Science & Technology, Mumbai, on 13, Feb. 2011 at M. V. M. science and homesci. College, Rajkot.
- 8) An article written in 'Abhi-Drashti' on part time lecturers' Hardship. Feb. 2009.
- 9) Written books for III & IV semesters of B. Sc. Homescience, subjects- i) Microbiology, ii) Health and sanitation, iii) Disaster Management.
- 10) 2 books are to be published.
- 9) appointed examiner in M. Sc.(FN) sem.III,(Home Science) for Advance Food Microbiology, Nov.- Dec. 2010.
- 10) appointed examiner in M.Sc.(Microbiology) sem. III & IV 2010-11.
- 11) appointed examiner in B.Sc.(Home sci) sem. I, II, III & IV 2010-11

For Ecology & Environment Science, Human Physiology, & Microbiology.

12) appointed as a examiner iin IGNOU course M Sc DFMS- Food Safety and Food Microbiology, March-April, 2011.

(Signature of Teachers)

Attachment:

Publication of Dr Kalpana G. Vyas :

BOOKs:

1. on environment for children-' *Vad dadani vato*' published by Publication Division of India, New Delhi 1992.
2. Disaster Management. 2009. Personal publication. Text book according to Saurashtra University, B.Sc. Home science Semester III Syllabus.
3. Microbiology. 2010. Personal publication. Text book according to Saurashtra University, B.Sc. Home science Semester IV, Syllabus.
4. Health and Sanitation. 2010. Personal publication. Text book according to Saurashtra University, B.Sc. Home science Semester IV, Syllabus.

Publications of Dr. Kalpana G. Vyas

1. Pandya S. M. and Vyas K.G. 1982. Competition between *Celosia argentea* Linn. And pearl millet. J. Indian Bot. Soc. 61: 161-168.
2. Vyas K. G., Bhaskar A. and Pandya S. M. 1983. Inhibition of nodulation and nitrogen fixing bacteria of *Vigna mungo* Linn. By root exudates from *Celosia argentea* Linn. Flora 174: 489-495.
3. Pandya S. M., Vyas K. G. and Dave V. R. 1984. Effect of *Celosia argentea* Linn. on root nodules and nitrogen content of three leguminous crop plants. Sci. Cult. 50: 161- 162.
4. Bhaskar A., Vyas K. G. and Pandya S. M. 1984. Nitrogen relationship of *Vigna mungo* L. in pure stands and in *Celosia argentea* mixtures. Ann. Bot. 54: 799-805. **CITED by 1**

5. Pandya S. M., Vyas K. G., Sidha V. K., Dash B. K. and V. Umamahesh. 1984. Effect of *Celosia argentea* Linn. On dry weight production and yield of some kharif crops. Int. J. Ecol. Environ. Sci. 10: 111-117.
6. Arun Bhaskar, K. G. Vyas, B. K. Singhal and R. P. Bansal. 1985. Interference of *Amaranthus tricolor* with the growth and development of *Vigna radiate*. Haryana Agric. Univ. J.Res. 15(3): 336-340.
7. Vyas K. G. and Arun Bhaskar. 1987. Effect of aqueous extracts of *Celosia argentea* L. on *Rhizobium* sp. Geobios. 14: 42-44. **CITED by 1**
8. Arun Bhaskar and Vyas K. G. 1988. Studies on competition between wheat and *Chenopodium album* L. Weed Research. 28: 53-58. **CITED by 9**
9. Kalpana Vyas. 1992. Vanaspatima spardha (gujarati). C.E.E.- N.F.S. 12: 1-2.
10. Kalpana G. Vyas 2009. Part time lecturers' hardship in Abhidrashti

II) (c) conference, seminars, symposia attended:

11. Pandya S. M., Vyas, K. G., Sidha, V. K. and Dash, B. K. 1981. Effect of *Celosia argentea* Linn. On dry weight production and yield of some kharif crops. Proc. Dynamics of Energy Flow in Biological System. Natl. Symp. Rajkot, India no.3.10.
12. Vyas K. G. and Bhaskar, A. 1981. Effect of *Celosia argentea* Linn. On nitrogen fixation by *Vigna mungo* Linn. Proc. IV. All India Bot. Conf., Calicut Abst no IX-14.
13. Bhaskar A. and Vyas, K. G. 1981. Ecological studies on crop-weed relationship of wheat crop fields at Rajkot. Proc. IV. All India Bot. Conf., Calicut. Abst no. -11.
14. Vyas K. G., Pandya, S. M. and Dave, V.R. 1982. Effect of *Celosia argentea* Linn. On root nodules and nitrogen contents of three leguminous crop plants. Proc. V. All India Bot. Conf., Rajkot, p72.
15. Vyas, K. G. and Bhaskar, A. 1982. The effect of time of introduction in competition between moth bean (*Vigna aconitifolia* (Jacq. Marechal) and *Celosia argentea* Linn. A weed. Proc. V. All India Bot. Conf., Rajkot p.55.
16. Kalpana G. Vyas. 2007. Possible use of allelopathy in biological weed control. Part I. Emerging Trends at the interface of biotechnology. Natl. Seminar, Shahada. (M. S.). India. P-9.
17. Kalpana G. Vyas and Sandhya N. Parikh. 2007. Mensruation and contraceptive methods. State Seminar on Homescience. Unjha (N. Guj.). p- 131.
18. Sandhya N. Parikh and Kalpana G. Vyas. 2007. Menopause and management of menopausal syndrome. State Seminar on Homescience. Unjha . (N. Guj.). p-132.
19. Kalpana G. Vyas. 2007. Science in Sanskrit literature- Our Heritage. Natl. Sanskrit Conf. Surat.

20. Kalpana G. Vyas. 2009. Obesity and Hypertension: A Study. Natl. Seminar Current problem of obesity in India. P-99.
21. Kalpana G. Vyas and U. C. Bhoya. 2009. making our Mark- Ecological footprints. Emerging trends and scope in Homescience. Rajkot. Op.72.
22. Kalpana G. Vyas and Sandhya N. Parikh. 2009. Water analysis of different sources. Emerging trends and scope in Homescience. Rajkot. Op.73.
23. Kalpana G. Vyas and sandhya N. Parikh. 2009. Pivana Panini gunvatta ane chakashani. Emerging trends and scope in Homescience. Rajkot. Op.74.
24. K. G. Vyas. 2009. Impact and correlation of ecological and geographical patterns on various water bodies of Saurashtra region. International conf. 3rd LIMPACS (IGBP, PAGES): Holocene lake records. Chandigarh Pg. 147.
25. Kalpana G. Vyas. 2009. Utilization of allelopathy as means of weed control and increasing crop yield. IUFRO-SPDC-DNAES-PU International meet Plant invasion& forest Ecology: Concerns & solutions. Chandigarh.
26. Attended seminar: 2009. National symposium on recent trends in cellular research. Rajkot
27. Attended seminar: 2009. National level seminar entitled 'Literature and Creative Arts' on Nov 29, 2009 at M. P. Arts and M.H.Commerce College for Women, Ahmedabad and Sahitya Academy, Gandhinagar
28. Kalpana G. Vyas. 2009. An ignored story of indoor air pollution. National seminar on 'New Frontiers in Life Sciences' at NVPAS, V.V. Nagar, Gujarat, on 19, Dec. 2009.
29. Kalpana G. Vyas and S. N. Parikh.2010. House plants: Decorative and Beneficial for Health. National seminar on Home Décor, held at Smt. J.P. Shroff Arts College, Valsad, Gujarat, on 24-25 Jan. 2010.
30. Sandhya Parikh and Kalpana vyas.2010. 'Chromo therapy and Home Décor'. National seminar on Home Décor, held at Smt. J.P. Shroff Arts College, Valsad, Gujarat, on 24-25 Jan. 2010.
31. Kalpana Vyas. 2010. New Approach for clothing: Organic and Bamboo clothing'. National conference on "Role of Home Science in Social Being", held at Smt. S. B. Gardi Institute of Home Science, Saurashtra University, Rajkot, Gujarat, on 7th Feb. 2010.
32. Attended a National Seminar on "Biochemistry: A Global Approach from molecules to Cell", held at Department of Biochemistry, Saurashtra University, Rajkot, Gujarat, on 30th Jan. 2010.
33. Attended a National level Workshop entitled 'Nano science and Nanotechnology: A curriculum Development Approach' organized By M. V. M. Science and Home science College, Rajkot, on 21st Feb.2010.
34. Attended UGC sponsored National Seminar on "Biochemistry, A Global Approach from molecules to cells" at Department of Biochemistry, Saurashtra University, Rajkot, on 30th Jan., 2010.

35. Attended GSBTM, Gandhinagar, sponsored national seminar 'MicrobesBT@MGSc2011 "Current Developments in Microbial Biotechnology, at M.G.Science Institute, Navarangpura, Ahmedabad, on 2 January 2011.
36. Kalpana Vyas 2011. Today's scenario: Impact of Pollution on Health in adolescence girls of Urban areas. At National conference On Current Problems of Women Health In India, at U.K. Vachhani Mahila Arts & Home Science College, Keshod, on 29, 30 Jan 2011.
37. Kalpana Vyas 2011. Ecological Footprint scenario: What is my footprint? National conference on Environment and Climate In association with International Society of Science & Technology, Mumbai, M.V.M. Science & Home Science College, Rajkot, on 13 Feb. 2011.
38. Kalpana Vyas 2012. Environment education and sustainable development' at 'Environment Education: concerns, sensitization and action' at Department of Family and Community Science, M. S. University, Baroda on 24, 25 Jan. 2012
39. Kalpana Vyas 2012. Gandhiji's aim of education and contemporary education system. At "Gandhi thought, Anna's movement and our education", at M. B. Arts and Commerce College, Gondal, Gujarat, on 3.3.2012.

List of Citation of publication of K.G. Vyas

1. [Dry bean competitiveness with annual weeds as affected by soil ...](#)

Bhaskar, A. and **K. G. Vyas**. 1988. Studies on competition between wheat and *Chenopodium album* L. *Weed Res.* 28:53-58. Blackshaw, R. E. 1991. ...

www.jstor.org/stable/4046537 - [Similar pages](#)

by MA Ugen - 2002 - [Cited by 4](#) - [Related articles](#)

2. [Studies on competition between wheat and *Chenopodium album* L.](#)

A. **BHASKAR*** AND **K. G. VYAS**. Departnieni of Biosciences. Suwmhlra. University, Rajkot, Gujarat, India par des reductions signifieatives de recolte tant en ...
doi.wiley.com/10.1111/j.1365-3180.1988.tb00785.x - [Similar pages](#)

B.

3. [BioOne Online Journals - Dry bean competitiveness with annual ...](#)

Bhaskar, A. and **K. G. Vyas** . 1988. Studies on competition between wheat and *Chenopodium album* L. *Weed Res* 28:53–58. CrossRef. Blackshaw, R. E. 1991. ...

www.bioone.org/bioone/?request=get-document&issn=0043-1745&volume=050&issue=04&page=0530 - [Similar pages](#)

by MA Ugen - 2002 - [Cited by 4](#) - [Related articles](#) - [All 11 versions](#)

4. [ANNALS of](#)

Bhaskar, A., **Vyas**, **K. G.** and Pandya, S. M. Nitrogen Relationships of. *Vigna mungo* in Pure Stands and in *Celosia argentea* Mixtures ...

aob.oxfordjournals.org/cgi/issue_pdf/frontmatter_pdf/54/1.pdf - [Similar pages](#)

5. [Weed-crop competition: a review - Google Books Result](#)

by **Robert L. Zimdahl** - 2004 - Gardening - 220 pages

Bhaskar, A., and **KG Vyas**. 1988. Studies on competition between wheat and *Chenopodium*

album L. Weed Res. 28:53-58. Blackshaw, RE 1993. ...
books.google.com/books?isbn=0813802792...

[6. Test "Title"](#)

Bhaskar, A. and K. G. Vyas. 1988. Studies on competition between wheat and *Chenopodium album* L. Weed Res. 28:53-58. 3. Caldwell, M. M., J. H. Richards, ...
www.jstor.org/stable/4045457 - [Similar pages](#)
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[7. The Elements of Competition](#)

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