

RESUME

Dr. Kulkarni Ganesh Bhagwanrao
Professor in Botany
JES's R. G. Bagdia Arts, S. B. Lakhotia
Commerce & R. Bezonji Science
College,
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Date of Birth: December 31st, 1970.

Educational Qualification:

- **Ph.D. (Botany)** at Institute of Science, Aurangabad, [Guide Dr. T.Srinivasu. (Dr.B.A.M. University, Aurangabad.)] (Awarded in June 1998).
Thesis Title:“Effect of Agro-chemicals on *Crotalaria medicaginea* var. *luxuriance*.”
- **M.Ed.** 62.66% (Dr. B. A. Marathwada University, Aurangabad.).
- **B.Ed.** 73.60% (Dr. B. A. Marathwada University, Aurangabad.).
- **M.Sc. (Botany)** 62.80% (Marathwada University, Aurangabad.).
- **B.Sc. (Chemistry, Botany & Zoology)** 60.00% (Marathwada University, Aurangabad.).
- **MS-CIT** 68.00% (Maharashtra State Board of Technical Education, Mumbai).

Professional Experience:

- **JES's R. G. Bagdia Arts, S. B. Lakhotia Commerce & R. Bezonji Science college Jalna**, working as a Professor Botany. (28th November, 2005 to till date)
- **S.D.M.V.M.'s W. College of Education.**, Paithan Road, Aurangabad as I.C. Principal, Lecturer in Science Method (From August 2004 to November 2005)
- **Jeevan Vikas Senior College** (Arts, Commerce & Science) At Shivoor, Tq. Vaijapur, Dist. Aurangabad as a Lecturer & HOD in Botany (June 2003 to August 2004).
- **Green Gold Seeds Co. Ltd**, Waluj, Aurangabad, as a Plant Breeder (June 2002 to June 2003)
- **S.G.M.College of Education**, A'bad, As a Lecturer in Sci. Method (July 1997 to June 2002).

Research and Development:

- **Minor Research Project (Completed)**–“Impact of Chemical Mutagen for removal of Anti-nutritional properties in Grass pea (*Lathyrus sativus* L.)”Sanction by UGC (WRO) Pune, (2017-2019). [**Amt Rs.4.40 L**]
- **Minor Research Project (Completed)**–“Induced Chemical mutagenesis on Horse gram [*Macrotyloma uniflorum* (Lam) Verdcourt]”. Sanctioned by UGC (WRO) Pune, (2008-2011). [**Amount Rs.0.7 lac**]
- **Participate as Expert in social survey**- on the topic- “Survey of student and Colleges of first degree (i.e. Arts, Comm. and Sci.) in Marathwada region,” affiliated to **Dr.BAMUniversity, Aurangabad** and SRTM University, Nanded. (Conducted by SRT Research Institute, Aurangabad) report publishes on 17/09/2008.
- **Recognized Research Guide and PG Teacher:(In Cytology and Genetics)**
 - A. Dr.B.A.M.University, Aurangabad (**Research Guide**-Ref letter no. PG/Ph.D./2014/6396 date 7/08/2014 & **PG Teacher**- Ref letter no. PG/Ph.D./2014/6383-84 date 7/08/2014)
 - B. J. J. T. U., Rajasthan - 333 001. (Registration No: JJT / 2K9 / SC / 0491.)

Ph.D. Research Student Enrolled (As per allocated by Dr. BAM University, A'bad)Details:

Sr. No.	Name of Research Student	Fellow ship	Topic of Ph.D.	University Approval No.	Category
1.	Udirwade Gautam Pundalik	R G N F	Induced mutational and Bio-Chemical studies on Hyacinth bean (<i>Lablab purpureus</i> L.)	PG/PhD/2015/10656-58 Dt 9.9.2015	SC
2	Bhutada Pritam Omprakash	JRF, Space Appl. Center Ahmadabad	Impact study of Biotic and Abiotic Stress in Cotton using Remote Sensing data.	PG/PhD/2015/10683-85	Open
3	Pathak Mahesh Harishchandra	--	Phytognocny, phytochemical and ethanobotanical studies of genus <i>Tribulus</i> L from Marathwada	PG/PhD/2015/10692-94	Open
4	Patankar Ashok Ramchandra	NET CSIR	Studies on combing Ability in upland Cottton (<i>Gossypium hisrsutum</i> .L)	PG/PhD/2015/10665-67	Open
5	Panchbhai Jagdish Raghodeo	--	Line X tester analysis in Tomato (<i>Solanum lycopersicum</i> L)	PG/PhD/2015/10686-88	Open

Attended Conferences (Botany):

1. 19th Indian Botanical Society -- Hardwar (1996)
2. 84th Indian Science Congress -- New Delhi (1997)
3. Biomass: Productivity and Utilization (National Conf.) -- Dept of Bot, MUniv.Abd (1997)
4. 85th Indian Science Congress -- Hyderabad (1998)
5. 2nd Indian Botanical Society --Mumbai. (1999)
6. 10th All India Congress of Cytology and Genetics -- Kalyani (1999)
7. 12th All India Congress of Cytology and Genetics -- Mumbai (2005)
8. Modern trends in Plant Sciences-- Aurangabad (2007)
9. Contribution of Biological Research to Human Kind-- Jalna (2007)
10. National Conference on Plant Biology and Biotechnology -- Dharmabad (2009)
11. 100th Indian Science Congress -- Kolkatta (2013)
12. Current Scenario of Biodiversity in India- Dept of Bot, Dr.BAMUniv.Abd (2013)
13. National Symposium on "New Research& its Application in Life Sciences-Beed (2014)
14. National conference on "Recent trends in Plant Sciences" Dept. of Bot, M Univ. Abd (2017)
15. National conference on "Emerging Trans-Disciplinary Approaches in Bio-Sciences-2019" Deogri College, A'bad (23-24/12/2019)
16. National Seminar -Recent Trends in Plant Sciences at RSTM Nagpur university Nagpur (28/12/2019)
17. 107th Indian Science Congress -- Bengaluru (3-7/01/2020)
18. National conference on "Recent trends in Plant Sciences" Milind College, A'bad (14-15/02/2020)
19. Nat. Conf. on Inter Disci. Approaches in Education, Phys. Edu., Sports & Yoga- Jalna (7-8/03/ 2020)
20. International E-Conference on Emerging Trends and Challenges in Life Sciences" (ETCLS-2020) Indraraj Arts, Commerce And Science College, Sillod, Dist. Aurangabad (18-19 /06/ 2020)

Attended Botany Webinar (On line):

1. 'Mangroves and Mangroves Associates- Great Strugglers in Nature' Organized by Dept. of Bot, KJ Somaiya College, Vidyavihar, Mumbai. (22/05/ 2020).
2. Biodiversity conservation-Why & How ?? Organized by Dept. of Bot, K J Somaiya College, Vidyavihar, Mumbai. (28/05/ 2020).
3. National Webinar on " New Plant Discoveries and their Implications- dept. Botany, AM Arts, Commerce and Science college, Rajapur (27/07/2020)
4. National Seminar on "Research Panorama of Life Sciences" IQAC & Life sciences Dept., Rajaram College, (Govt.of Maharashtra), Kolhapur (15-18/06/2020).
5. "Miyawaki Method of Tree Plantation- Sahyadri Sankalp Society, and ASP College, Devrukh, MS (01/08/2021).

6. National Level Webinar on Good Publication Practices: What & Where to Publish' organized by the School of Social Sciences, SRTM Univ, Sub-Centre, Latur (MS) (04/08/2020).
7. National webinar on "Research and Intellectual Property Rights" –IQAC & Dept. of zoology, MSP Mandals Deogiri Arts, Comm & Science college, Aurangabad (23/08/2021).
8. National webinar on "Recent Advances in Botany" Dept. of Botany, Vivekanand Arts, Sardar Delipsingh Comm & Science college, Aurangabad (31/08/2021).
9. National Seminar on "Advances in Plant Sciences" –Dept. of Botany, DP Mahavidyalay Karjat, Ahmednagar (13/10/2021)

Membership of Society:

1. All India Science Congress Association -- Life Member.(1999)
2. All India Congress of Cytology and Genetics -- Member.(2005)
3. Jagtic Marathi Vidnyan Parishd -- Member.(2005)
4. The Indian Society of Genetics & Plant breeding -- Life Member.(2008)
5. Indian Botanical Society -- Member.(2009)
6. The Indian Society for Plant Physiology -- Member.
7. The Indian Academy of Sciences -- Member.
8. The Indian Society of Seed Technology—Member (2009)
9. Indian Society of Plant Breeders -- Life Member.(2018)
10. Society of Cyologists and Geneticists -- Life Member.(2018)

Attended Workshop:

ICT:

- One Week "National Online F D P on ICT Tools for Effective Teaching Learning," organized by School of Mathematical Sciences, S. R. T. M. University, Nanded. (11- 16/05/ 2020)
- One Week "National Online FDP on "Evolution from Offline to Online Teaching" organized by SP Dnyansadhna College Thane, I.T. University Mumbai, YCOMOU and Microsoft (30th May to 03rd June 2020)
- New Age Tools for Teaching On line-Academistan (28-30/06/2020)
- One Week FDP on "Evolution from offline to online Technology"-SP Dnyansadhna College, Thane (30/05/2020 to 03/06/2020)

NAAC:

- "Accreditation-Systematic Approach towards report writing under new Methodology"-State Level Workshop on NAAC-Sri Shivaji Science College, Amravati (M.S.) (02-3/01/ 2010.)
- "Role of IQAC as a Tool for Re-accreditation with special reference to Student Activities, Progression and Innovative Practices" -NAAC Sponsored State level Seminar. At Yashvantrao Chavan Institute of Science, Satara (M.S.) (10-11/02/2009).
- "Role of Stakeholders for Quality Enhancement in Higher Education"NAAC Sponsored State level SeminaratShivaji Arts, Comm. &Science College, Kannad, Dist Aurangabad (8-9 /10/ 2013).
- Online: "A Review of the New NAAC Methodology : From AQAR to PTV". Organized by I.Q.A.C. of Gokhale Education Society's Arts, Commerce and Science College Shreewardhan (Raigad)(26-28/05/ 2020)

Revised syllabus of B.Sc. Botany:

- "Reframing of M.Sc. Botany Syllabus" Workshop at Govt. Institute of Science, Aurangabad (22-23/12/2017)
- "Limitation and Scope of Revised syllabus of B.Sc. Botany"- Dr.B.A.M.University, Aurangabad Sponsored Workshop-(17/02/2009).
- "Workshop on plant Identification and Collection"- at Botany Department Dr.B.A.M.University, Aurangabad- (29 /09/ 2006).
- "Revised syllabus of B.Sc. Botany based on Semester Pattern"- Dept. of Botany, Vivekanand College Aurangabad. Sponsored Workshop-(10 /09/2009).

Professional Skill:

- “Effective Teacher”- Improvements of Teaching Skill - Dr. Ramesh Partani.-at J.E.S. College Jalna- (18-19 /08/2007.)
- Global Business Foundation Skills-**Faculty Development Program**: Conducted by **Infosys BPM Ltd. Pune** (21-29 August, 2018)

UGC-Academic Courses: Orientation/ Refresher/ Short term/ FDP

1. **7th Refresher** Course in Education at Dr.B.A.M.University, Aurangabad-(28th March to 16th April 2005).
2. **75th orientation** Course at Dr. B.A.M. University, Aurangabad (03 to 29th November 2008).
3. **Refresher**: DBT sponsored training course on “**Molecular Biotechnology**” Organized by Dr.Sujata Bhargava, Prof. Department of Botany, **University of Pune** (2 to 22 Feb. 2010).
4. **Refresher: “Biology”**at HRD (UGC) Center, Dr.BAM Univ.A’bad- (17th Nov. to 8th Dec. 2015).
5. **Orientation** Program for **Academic Councilor** (Program-B.Sc. Life Science) organized by **IGNOU** Regional Center at Ahmadabad (23 to 24th September 2016).
6. **Short Term Course** in “**Bioscience & Biotechnology**” UGC-HRD Center Dr.B.A.M. University, Aurangabad (16 to 21th January 2017).
7. 127th Orientation **Short Term Course (As a NSS Programme officer)** in **NSS** at E.T.I. BPHE society’s Ahmednagar College Ahmednagar (03 to 09th October, 2017)
8. **Faculty Development Program** for "Global Business Foundation Skills", conducted by **Infosys BPM Ltd.** at Hinjewadi, Pune from (21 to 29th August, 2018)
9. One Week National **Faculty Development Program** on “**ICT Tools for Effective Teaching Learning**” conducted by School of Mathematical Sciences, Swami Ramanand Teerth Marathwada University, Nanded (11 to 16th May, 2020).
10. Two Weeks **Faculty Development Program** on "**Advanced Concepts for Developing Moocs**" conducted by MHRD Govt. of India, Pandit Madan Mohan Malviya National mission on Teachers and Teaching and Ramanujan College, University of Delhi, (02 to 17th July, 2020).
11. One week **Short Term Course** on “**GREEN AUDIT**” conducted by Department of Environmental Science, Osmania University and EPTRI, Hyderabad, Telangana, India. (09 to 14th August, 2020)

Responsibilities and Duties:

- (1) **Chief Superintendent**-Conducting Exam. of Dr.B.A.M.University, Aurangabad at J.E.S. College, Jalna-March to May 2012, 2013 & 2014.
- (2) **Understudy**- Conducting Exam.of Dr.B.A.M. University at J.E.S. College, Jalna-2006 to 2015.
- (3) **Officer in D-CAS** of Dr.B.A.M.University, Aurangabad at J.E.S. College, Jalna for Exam since March/April, 2009 to Oct. /Nov. 2019.
- (4) **Member of External Examiner (Practical)**: B.Sc.III/ B.Sc.II / B.Sc.I Since March 2006 to Till date at various Senior Colleges affiliated to Dr.B.A.M. University, Aurangabad
- (5) **Joint Chief Superintendent** -Conducting Exam. of Dr.B.A.M.University, Aurangabad at L K N Jaiswal Sr. College, Aurangabad, (26/03 to 08/04/2015) & Pd Vasant Dada Patil college of BCA & B.Sc. (IT) Cidco N-2, Aurangabad .(27th March to 5th May 2019)
- (6) **Member of Affiliation Committee**- conducted by Dr.B.A.M.Univ.A’bad at Colleges in Aurangabad District.
- (7) **Examiner**: (i) **B.Sc.** (Theory and Practical) Examination (I, II, III Year) Assessment of Dr.B.A.M.University, Aurangabad. (ii) **M.Sc.** (Theory and Practical) External Examination of Dr.B.A.M.University, Aurangabad, S.R.T.M. University, Nanded and RSTM University, Nagpur.
- (8) **Subject Expert**-Biology / Botany – at various Colleges in Jalna District.
- (9) **NSS Programme officer**: Successfully organized all the “**Regular and Special Camp**” activity at JES College during June 2016 - May 2019 [Special NSS Residential Camp successfully organized at Pune gaon (2016), Kandari (Bk) (2017), Wakhari (Wadgaon) (2018)].
- (10) **NSS Area Co-ordinator** (Jalna City) Appointed by Director, NSS Dr. BAMU, A’bad (2017-2019).

Syllabus Frame work:

- ❖ Preparation of M.Sc. Botany (Sem III & IV Optional subject Syllabus of “**Seed Technology**”) and Approval from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Research Recognition and BOS Committee.
- ❖ Preparation Syllabus of 45 periods Certificate Course of “**Seed Technology**” run by J.E.S. College Jalna with MOU Bejo Sheetal Seeds Pvt.Co. Ltd. Jalna

As a Mentor for Developing Scientific temperament / Activity in Society:

- **Expert as a Evaluator-** for **National Children Science Congress**, (supported by RVPSP-DST Govt. of India, New Delhi) Maharashtra- at Regional level and State Level since 2007 [Organized by Jidnyasa Trust Thane] at various District places.
- **Expert/ Judge**-District Science Exhibition, (Conducted by **DEO, Zilha Parishad**, Jalna) Since 2006.
- **Expert/ Judge**-District Science Exhibition, (Conducted by **Inner Wheel Club of Jalna**) Since 2007.
- **Expert/ Judge** and Organizer- District level Science Exhibition for “Inspire award”, since 2011.
- Active Member of **Science Forum**, JES College Jalna since 2006.

Extension Activities:

- Carrier counseling and Admission committee member for B.Sc. Students.
- Role as a Subject Expert-Biology/ Botany – Various colleges in Jalna district.
- Senior Supervisor - **Maharashtra Talent Search** (MTS) Examination for the year 2006, 2007, 2008.
- Delivering a “Special Lectures” in **Navopkrama** as a subject Experts-Conducted by **Principal, DIET, Jalna** and **District Extension Service Center**, J.E.S. College, Jalna on topic -(i) Planning of Action Research. (ii) Project writing of Innovative Programme (Every year 2006 to 2010).
- Planning, Execution and Implementation of all the criteria for preparation ISO9001:2008 and NAAC of Botany Department, JES College, Jalna.

Achievement:

- Student of Botany Department, JES College Jalna, **Kum Nirmal Anjali Shashikant** got the (1) Balwant Gangadhar Deshpande prize and (2) Dr. Shamrao Trimbakrao Tilak Paritoshik Prize, From Dr.BAM Univ. Aurangabad for secured highest number of marks in the subject of botany among all the Student of University (2005-06).
- Student of Botany Department, JES College Jalna, **Mr. Bhurewal Lakhani A.** Achieved the (1) Balwant Gangadhar Deshpande prize and (2) Dr. Shamrao Trimbakrao Tilak Paritoshik Prize, From Dr.BAM Univ. Aurangabad for secured highest number of marks in the subject of botany among all the Student of University (2014-15)

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List of Publications:

PUBLICATION OTHER THAN Ph.D. WORK:

- 1) **Patankar A R and Kulkarni G B** (2021) Correlation studies on seed cotton yield and its components in upland cotton (*Gossypium hirsutum* L.) **BIOINFOLET** 18 (3) : 347 – 352 [(P) ISSN:0973-1431, (eISSN 0976-4255)]
- 2) **Pathak M P and Kulkarni G B** (2020) Studies of Antibacterial Activity of *Tribulus Terrestris* L. (Zygophyllaceae) *The Int. j. of anal.& expl modal analysis* (4 spl): 86-94 (ISSN: 0886-936712)
- 3) **Kulkarni G B** (2020) Horse Gram [*Macrotyloma uniflorum* Lam. (Verdc.)]: A perfect and complete Indian diet. *Int. J. of Phys.Edu., Health & Sports Sciences (IJEHSS)* (Spl Issue): 275-279. (ISSN: 2279-0306)
- 4) **Pathak MP and Kulkarni GB** (2020) Anatomical Studies of *Tribulus rajasthanensis* Bhandari & Sharma (Zygophyllaceae) *The Int. j. of anal.& expl modal analysis* (4 spl): 81-85 (ISSN: 0886-936712)
- 5) **Kulkarni G B** (2019) Spectrum and frequency of Chlorophyll mutation in grass pea (*Lathyrus sativus* L) *Bioscience Discovery*, 10(4):214-221. ISSN: 2229-3469 (P); ISSN: 2231-024X (O)
- 6) **Undirwade G P and Kulkarni G B** (2019) Effect of mutagens on seed germination, seedling height and survival of plants in Hyacinth bean (*Lablab purpureus* L.) sweet. *Bioscience Discovery*, 10 (3):129-133. [ISSN: 2229-3469 (P); ISSN: 2231-024X (O)]
- 7) **Bhutada P O, Kulkarni GB and Shinde RS** (2019) Cotton vegetation condition monitoring using LSWI and NDVI, *J. of Pharmacognosy and Phytochemistry* 8 (3): 1757-1762 [ISSN: 2349-8234]
- 8) **Undirwade GP and Kulkarni GB** (2018) Effectiveness and efficiency of mutagen on leaf chlorophyll in Hyacinth bean *Lablab purpureus* (L.) Sweet. *Int.J of Life sciences* 6 (1):111-116. [(ISSN 2320-7817(P) online 2320-964X(O) UGC Approved Journal no.48951]
- 9) **Bhutada PO, Kulkarni GB and Priya S** (2015) Farm size Distribution Study by using Remote Sensing Data, *Bionano frontier*. 8 (3):365-366. [(ISSN 0974-0678(P) 2320-9593(O)]
- 10) **Kulkarni GB** (2013) Comparative Analysis of Mitotic Aberrations Induced by EMS, SA and NMU in Horse gram, *Int. J. Biotech Biosci.*3 (2):109-115. [(ISSN2231-0304)]
- 11) **Kulkarni G.B. and Mogle U.P.** (2013) Effects of Mutagen on Chlorophyll Mutation in Horse gram [*Macrotyloma uniflorum* (Lam) Verdecourt] *Bioscience Discovery*, 4 (2):214-219.[ISSN:2229-3469]
- 12) **Kulkarni GB and Mogle, UP** (2011) Characterization and Evaluation of Horse Gram (*Macrotyloma uniflorum* (Lam) Verdecourt Genotypes, *Science Research Reporter* 1(3):122 -125.[ISSN:2249-2321]
- 13) **Kulkarni GB** (2011) Effect of mutagen on Pollen fertility and seed germination in Horse gram [*Macrotylomauniflorum* (Verdecourt)] *Bioscience Discovery*, 2(1):146-150. [ISSN:2229-3469]
- 14) **Kulkarni GB** (2010) Evaluation of Genetic Diversity of Horse gram [*Macrotyloma uniflorum* (Verdecourt)] germplasm through phenotypic trait Analysis. *Green Farming*, 1(6): 563-565. [ISSN0974-0775]

PUBLICATION OF BOOK:

- ***Kulkarni G.B.** (October 2020) “Reference Practical Manual- Plant Pathology, Microbiology and Disease management” – RUT Publisher Jalna [ISBN978-93-84663-31-5].
- * **Kulkarni G.B.** (April 2017) “Botany Practical Manual -Plant Ecology and Plant physiology” –RUT Publisher Jalna [ISBN 978-93-84663-16-2].

CHAPTER IN BOOKS:

1. **Kulkarni GB** (2019) Vruksha Nisarg aani Manav. *in: "Vikas"*, pp ~~60-63~~.
2. **Kulkarni GB** (2015) Role of ICT in our Carrier building. *in: "Vikas"*, pp 60-63.
3. **Kulkarni GB** (2014) Pesticides: A scenario in Indian Agricultural economy *in: "Vikas"*, pp 65-70.
4. **Kulkarni GB** (2013) *Bt* Brinjal: Beneficial or Hazardous? A controversy *in: "Vikas"*, pp 91-93 .[ISBN978-81-924376-2-0]
5. **Kulkarni GB and Mogle UP** (2012) Role of Molecular Marker in Advance Bio-Technology, *in: "Vikas"*,. pp 213-218. [ISBN978-81-924376-0-6]
6. **Mogle UP and Kulkarni GB** (2012) Fire Disaster: Planning and Management Research Article *in: "Vikas"*, pp 65-70. [ISBN978-81-924376-0-6]
7. **Kulkarni GB and Gogte DB** (2008) "Marathwadyatil Shikshan: Ekvisavya Shatkatil Avhane"- *in: Survey Conducted by S R T Research Institute, A'bad in Both the University). Report published September 17th, 2008].*

PUBLICATION WITH Ph.D. WORK:

8. **Srinivasu T and Kulkarni, GB** (2006) Impact of Fernoxone, Glycel, Atrataf and Goal on seed germination and seedling growth of *Crotalaria medicaginea* var. *luxurians*. *BIOINFOLET* 3(1):66-70. [ISSN:0973-1431]
9. **Kulkarni GB and Srinivasu T** (2006) Agro-chemicals induced quantitative changes in nucleic acids and crude proteins of *Crotalaria medicaginea* var. *luxurians*. *Perspective in Cytology and Genetics*, 12:1-7.
10. **Kulkarni GB and Srinivasu T** (2001) Foliar application effects of some agro-chemicals on pollen mother cells of *Crotalaria medicaginea* var. *luxurians*. *Perspective in Cytology and Genetics*,10:525-529.
11. **Srinivasu T and Kulkarni GB** (2001) Effects of agro-chemicals on the root tip cells of *Crotalaria medicaginea* var. *luxurians*. *Perspective in Cytology and Genetics*,10:519-524.
12. **Kulkarni GB and Srinivasu T** (1995) Impact of agro-chemicals on in vitro pollen germination of *Crotalaria medicaginea* var. *luxurians*. *Indian Bot. Repr.*,14 (1-2):148-149.

Date:

Place: Jalna

(Dr. Kulkarni G.B.)

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