

## Resume



1. **Date of birth** : 18<sup>th</sup> April 1969
2. **Permanent address** : 22-A, 'Samrudhi Coloney, Near Jalpurti Coloney,  
Vidut Nagar Road,  
Amravati – 444 604
3. **Correspondence address** : 22-A, 'Samrudhi Coloney, Near Jalpurti Coloney,  
Vidut Nagar Road,  
Amravati – 444 604
4. **Office address** : Department of Mathematics,  
J. D. Patil Sangludkar Mahavidyalaya,  
Daryapur.
5. **Present Designation** : Assistant Professor,  
Department of Mathematics,  
J.D. Patil Sangludkar Mahavidyalaya,  
Daryapur, Dist- Amravati
6. **Phone no.** : (Residence) 0721 -9766595979  
(Office) 07224 – 234233
7. **Mobile no.** : 9975756078 & 9766595979
8. **E-mail** : vijayelkar@rediffmail.com
9. **Date of joining** : 1<sup>st</sup> July 1998
10. **Academic Qualification** :

| Sr. No. | Name of the exam | Board/ University | Year of passing | Percentage | Division |
|---------|------------------|-------------------|-----------------|------------|----------|
| 1       | S. S. C          | Amravati          | 1984            | 47.14      | II       |
| 2       | H. S. C.         | Amravati          | 1986            | 48.67      | II       |
| 3       | B. Sc.           | Amravati          | 1990            | 53         | II       |

|   |         |                    |          |       |      |
|---|---------|--------------------|----------|-------|------|
| 4 | M.Sc.   | Amravati           | 1994     | 63.20 | I    |
| 5 | B.Ed    | Nagpur             | 1995     | 72    | I    |
| 6 | M.Phill | Algappa, Karaikudi | 2008     | ----  | I    |
| 7 | Ph.D.   | Amravati           | Feb 2017 | ----  | ---- |

11. **Teaching experience** :

| <b>Courses taught</b> | <b>Name of the Institute/College</b>          | <b>Duration</b>                              |
|-----------------------|---|--|
| U.G                   | J.D. Patil Sangludkar Mahavidyalaya, Daryapur | From 17 <sup>th</sup> January 2005 till date |
|                       |   |  |
|                       |   |  |

12. **Orientation/Refresher courses attended** :

| <b>Name of the Course</b>                 | <b>Place</b>                               | <b>Duration</b>             | <b>Sponsoring Agency</b> |
|---|--|-----------------------------|--------------------------|
| Orientation Course                        | ASC R T M University<br>Nagpur             | 01/10/2005 to<br>28/10/2005 | UGC                      |
| Refresher Course in Mathematics           | ASC, Uttar Maharastra University, Jalgaon  | 10/03/2004 to<br>30/03/2004 | UGC                      |
| Refresher Course in Mathematical Science  | ASC S G B Amravati University Amravati     | 28/05/2009 to<br>14/06/2009 | UGC                      |
| Refresher Course in Mathematical Science  | ASC, Mysore University, Mysore             | 10/06/2010 to<br>30/06/2010 | UGC, New Delhi           |
| Short Term Course in Research Methodology | A S C, S G B Amravati University, Amravati | March 2012                  | UGC, New Delhi           |

13. **Research Project** : Submitted Minor Research Project to UGC in March 2013

| <b>Title of the Project</b> | <b>Name of the funding agency</b> | <b>Duration</b> | <b>Grant/Amount Mobilized</b> |
|-----------------------------|-----------------------------------|-----------------|-------------------------------|
|                             |                                   |                 |                               |

14. **Membership of Academic Bodies** : NIL

15. **Publication**

: 01-Text book of Sem-II (Vector Analysis and

Geometry)

16. **Conference/Seminar/Workshop attended** :

| <b>Sr. No</b> | <b>Title of the Conference/<br/>Seminar</b> | <b>Attended/Paper presented</b> | <b>Organized by</b> | <b>Whether International/<br/>National/State level</b> |
|---------------|---|---------------------------------|---------------------|--|
|---------------|---|---------------------------------|---------------------|--|

**Participation in National / International level conferences/seminars**

| <b>Sr. No.</b> | <b>Name of the conferences/seminars</b>   | <b>Role played</b> | <b>Year</b>                   |
|----------------|---|--------------------|-------------------------------|
| 01             | One day University level workshop on new syllabi of Mathematics by SGBAU Amravati                               | Participant        | 14 <sup>th</sup> Sep 2003     |
| 02             | International Conference on "Relativity"<br>Organized by Dep. of Mathematics SGBAU, Amravati.                   | Participant        | 11-14 <sup>th</sup> Jan 2005  |
| 03             | One day University level 2 <sup>nd</sup> workshop on new syllabi of Mathematics by SGBAU Amravati               | Participant        | 24 <sup>th</sup> July 2005    |
| 04             | National seminar on Bio-physics by Dep. of Zoology and Physics, JDPS college, Daryapur                          | Participant        | 19 <sup>th</sup> Feb 2007     |
| 05             | University Level students seminar competition by SGBAU Amravati   | Subject Expert     | 23 <sup>rd</sup> Feb 2008     |
| 06             | Workshop on Solar Eclipse-09 held at SGBAU, Amravati,, at SGBAU Amravati  | Participants       | 13-14 <sup>th</sup> June 2009 |
| 07             | National Conference on "Recent Trends in Mathematics" Gov Vidarbha Inst. Sci and Humanities, Amravati.          | Participants       | 19 <sup>th</sup> Sep 2009     |
| 08             | State level seminar on Recent Development in Relativity by Mahatma Fule College, Warud                          | Participant        | 18 <sup>th</sup> Dec 2009     |
| 09             | University Level students seminar competition for UG students on "Algebra" by Bhartiya Mahavidyalaya, Amravati. | Subject Expert     | 22 <sup>nd</sup> Jan 2011     |
| 10             | Attend workshop for mathematics student on 'Research Guidelines' by Dep. of Mathematics SGBAU, Amravati         | Participant        | 6 <sup>th</sup> Mar 2011      |
| 11             | Attend Workshop on "Vivekanandas Scientific   | Participant        | 11 <sup>th</sup> Oct 2011     |

|    |   |                                |   |
|----|---|--------------------------------|---|
|    | Approch Through Einstein Brain” by Swami Vivekanandas Study center SGBAU, Amravati  |                                |   |
| 12 | National Conference on “Recent Development in Mathematics statistics, Computer science and their Applications” by Dr. Ambedkar College, Nagpur. | Participant                    | 2-3 <sup>rd</sup> Dec 2011                  |
| 13 | University Level students seminar competition for UG students on the subject”Mechanics” by SGBAU, Amravati                                      | Subject Expert                 | 23 <sup>rd</sup> Feb 2012                   |
| 14 | Attended Short Term Course on Research MethodologyBy UGC Academic Staff College, SGBAU, Amravati.   | Participant                    | 26-31 <sup>st</sup> March 2012              |
| 15 | Attend University level Research Oriented workshop by SGBAU, Amravati   | Participant                    | 8 <sup>th</sup> Sep 2012                    |
| 16 | Regional Level Seminar Competition for UG students on “Algebraic Structures” By Shivaji College Akot  | Subject Expert                 | 22 <sup>nd</sup> Dec 2012                   |
| 17 | International Conference on “Mathematical Sciences” by Shivaji Science College, Nagpur.   | Participats                    | 28-31 <sup>st</sup> Dec 2012                |
| 18 | National Conference on “ Mathematical Sciences” by Shri R.G.Rathod College, Murtizapur  | Research paper Presented       | 18-19 <sup>th</sup> Jan 2013                |
| 19 | ISC Kolkata sponsored ‘Rural Science Congress’ in JDPS College, Daryapur  | Participated                   | 13 <sup>th</sup> &14 <sup>th</sup> Jan 2014 |
| 20 | “12 <sup>th</sup> University Level Seminar Competition in Mathematics” at Mungsaji Maharaj Mv. Darvha   | Participated as Subject Expert | 16 <sup>th</sup> Feb 2014                   |
| 21 | National Conference on “Recent Application of Mathematical Tools Science and Technology at Gov. College of Engineering, Amravati.               | Research paper Presented       | 8-9 May 2014                                |
| 22 | “University Level Research Orientated Workshop” on Mathematics at Burunbale Science and Arts College, Shegaon.                                  | Participated                   | 10-11 Jan 2015                              |
| 23 | “University Level Workshop” on Mathematics Syllabi” Organized by RDIK & KD college Badnera.   | Participated                   | 15 <sup>th</sup> March 2015                 |
| 24 | UGC (WRO Pune) Sponsored “National  | Research paper                 | 12 <sup>th</sup> &13 <sup>th</sup> Sep      |

|    |   |                          |                                |
|----|---|--------------------------|--------------------------------|
|    | Conference on “Recent Trends in Mathematical and it’s Applications” by Mungsaji Maharaj Mahavidyalaya, Darwha.                                      | Presented                | 2015                           |
| 25 | UGC, DST Sponsored International Conference on “General Relativity” Organised by SGBAU, Amravati.   | Research paper Presented | 25-28 Nov 2015                 |
| 26 | “University Level Research Orientated Workshop” by SGBAU, Amravati  | Participated             | 29 <sup>th</sup> March 2016    |
| 27 | National Conference on “Recent Advances in Mathematical Sciences” Organised by SGBAU, Amravati.   | Research paper Presented | 17-18 June 2016                |
| 28 | State Level Workshop on “Number Theory” Organised by SGBAU, Amravati.   | Participated             | 15 <sup>th</sup> Oct 2016      |
| 29 | Work Shop on “ Net/Set Guidance in Mathematical Sciences” Organised by SGBAU, Amravati.   | Participated             | 22 <sup>nd</sup> Dec 2016      |
| 30 | ISC Amravati Chapter Sponsored Poster Competition on “Human Development Through Science and Technology” by JDPS Mv. Daryapur                        | Participated             | 20 <sup>th</sup> Jan 2017      |
| 31 | UGC,DST-FIST sponsored International Conference on “ Mathematical Analysis and It’s Applications” Organised by Dayanand Science College, Latur.     | Research paper Presented | 5-9 March 2017                 |
| 32 | Intrnational Conference on “Recent Trends in Science and Technology” Organized by Shivaji Science College, Nagpur.                                  | Participated             | 12-14 July 2017                |
| 33 | 20 <sup>th</sup> International Conference on “Recent Advances in Physical Sciences and Future Challenges” Organized by Osmania University Hydrabad. | Research paper Presented | 14-16 <sup>th</sup> July 2017  |
| 34 | University Level Students Seminar Copetition on “Differential Equation”Organized By Vidya Bharati Mv. Amravati.                                     | As a Subject Expert      | 10 <sup>th</sup> Feb 2018      |
| 35 | “105 <sup>th</sup> Indian Science Congress” Organized by Manipur University, Imphal.  | Research paper Presented | 16-20 <sup>th</sup> March 2018 |
| 36 | National Workshop on “Number Theory” Organized by R.G.Rathod Arts and Science College, Murtizapur.  | Participated             | 19 <sup>th</sup> Jan 2019      |

|    |  |                          |                              |
|----|--|--------------------------|------------------------------|
| 37 | State Level Workshop on “Soft Skill Training for mathematical Sciences” Organized by SGBAU, Amravati.  | Participated             | 15-16 March 2019             |
| 38 | 11 <sup>th</sup> National Conference on Solid State Chemistry and Allied Areas By Porwal college, Kamthee                                      | Research paper Presented | 20-21 <sup>st</sup> Dec 2019 |
| 39 | 107 <sup>th</sup> Indian Science Congress held at University of Agricultural Sciences Bangalore  | Research paper Presented | 3-7 Jan 2020                 |
| 40 | National Conference on Recent Advances in Physical and Mathematical Sciences held at Shri Shivaji College, Akola.                              | Research paper Presented | 18 <sup>th</sup> Jan 2020    |
| 41 | National Conference on Multidisciplinary Research in Science and Technology, Held at Shri R.L.T. College of Science, Akola                     | Research paper Presented | 24 <sup>th</sup> Jan 2020    |
| 42 | National Conference on Recent Trends in Mathematical, Physical, Library and Life Sciences, Held at N. S. Science and Arts College, Bhadravati. | Research paper Presented | 7 <sup>th</sup> Feb 2020     |

### 17. Publication in Journal

| Title of Paper   | Name of the author/s | Department of the teacher | Name of Journal  | Year of publication | ISSN/ ISBN number  |
|--|----------------------|---------------------------|--|---------------------|--|
| Inhomogeneous Bulk Viscous Cosmological Model With Time Dependent $\Lambda$ - Term                           | V.D.Elkar            | Mathematics               | International Journal of Scientific Research in Science and Technology | March 2011          | ISSN 2395-602X<br>Vol.VI<br>Issue-II<br>P312-317<br>March 2011 |
| Kaluza-Klein Cosmological Model In Scalar Tensor Theory of Gravitation With Cosmological Constant- $\Lambda$ | V.D.Elkar            | Mathematics               | International Journal of Scientific Research in Science and Technology | April-2012          | ISSN 2395-602X<br>Vol.II Issue-II<br>P-318-324<br>April 2012   |

|   |                                   |             |  |                           |   |
|---|-----------------------------------|-------------|--|---------------------------|---|
| Bulk Viscous Kantowski-Sachs cosmological model with time dependent $\Lambda$ -term in General Theory of Relativity         | V.G. Mete, V.D. Elkar, V.S.Bawane |             | Multilogic in Science                          | March 2014                | Vol.-3<br>Issue-8<br>pp-34-39                       |
| Bianchi Type-II Cosmological Model in presence of Bulk stress with varying $\Lambda$ in general Relativity                  | V. D.Elkar, V.G.Mete              | Mathematics | International journal of Sciences and Research | January 2015              | 4 (1) 800-804                                       |
| Kantowski- Sach Inflationary cosmological model with bulk viscosity and varying cosmological constant in General Relativity | V. D.Elkar, V.G.Mete              | Mathematics | International journal of Sciences and Research | March 2015                | 4(3) 2288-2290                                      |
| Strange Quark Matter attached to the string cloud in Axially Symmetric space time with $\Lambda$ -term                      | V. D.Elkar, V.G.Mete              | Mathematics | International journal of Prespace time         | April 2015                | Vol.-6<br>Issue.-4<br>pp-287-294<br>April-2015      |
| Axially Symmetric Cosmological Model with Bulk stress in Saez Ballester Theory of Gravitation                               | V.D.Elkar, V.G.Mete, A.S. Nimkar  | Mathematics | International Journal of Theoretical Physics   | April-2015                | DOI 10, 1007/s 10773-015-2675-2<br>30<br>April 2015 |
| Kaluza-Klein Minimally Interacting Holographic Dark Energy Model in Scalar Tensor Theory of Gravitation                     | V.D.Elkar, V.G.Mete               | Mathematics | Prespacetime Journal                           | April 2015                | Vol.6 Issue. 4<br>pp-295-304<br>April 2015          |
| Plane symmetric cosmological model for domain wall with decaying $\Lambda$ -term  | V. D.Elkar, V.G.Mete              | Mathematics | Amravati University Research Journal           | 25 <sup>th</sup> Nov 2015 | 25 <sup>th</sup> Nov 2015                           |

|  |  |             |  |                 |  |
|--|--|-------------|--|-----------------|--|
| Ruban's<br>Cosmological<br>Model with Bulk<br>stress in General<br>Theory of<br>Relativity   | V.D.Ekar,<br>V.G.Mete,<br>A.S.<br>Nimkar | Mathematics | IOSR_<br>International<br>journal of<br>Mathematics          | August-<br>2015 | 119(4) 25-<br>33   |
| Inhomogenous<br>wet Dark Fluid<br>Cosmological<br>Model with Time<br>Dependent $\Lambda$ -term   | V. D.Elkar,<br>V.G.Mete,<br>K.R.Mule     | Mathematics | Advanced<br>Studies in<br>Theoretical<br>Physics             | 2015            | Vol.-9<br>Issue.-12<br><br>2015 pp-<br>575-585                           |
| Bianchi Type-IX<br>cosmological<br>model for Viscous<br>fluid with<br>Electromagnetic<br>field and time<br>Dependent $\Lambda$ -term                     | V.D.Elkar,<br>V.G.Mete                   | Mathematics | Prespace Time<br>Journal                                     | Nov<br>2015     | Vol.-6<br>Issue.-11<br><br>Nov-2015<br>pp-1157-<br>1164                  |
| Ruban's String<br>Cosmological<br>Model in General<br>Theory of<br>Relativity  | V. D.Elkar,<br>V.G.Mete,<br>A.S.Nimkar   | Mathematics | International<br>journal of<br>Mathematical<br>Archive       | Dec,<br>2015    | 6(12) 2229-<br>5046  |
| Einstein Rosen<br>Mesonic Perfect<br>Fluid cosmological<br>Model with time<br>dependent $\Lambda$ -term  | V. D.Elkar,<br>V.G.Mete                  | Mathematics | International<br>Journal of<br>Astronomy and<br>Astrophysics | March<br>2016   | Vol.-6<br>Issue.-<br>2016, pp-99-<br>104<br>March-2016                   |
| Higher<br>Dimensional Plane<br>Symmetric space<br>time with Time<br>Dependent<br>cosmological<br>constant in Seaz-<br>Ballester Theory of<br>Gravitation | V. D.Elkar,<br>V.G.Mete                  | Mathematics | International<br>Journal of<br>Prespacetime                  | August<br>2016  | Vol.-7<br>Issue.-12<br>pp-1503-<br>1510<br>Aug-2016                      |
| Cylindrically<br>Symmetric<br>cosmological<br>Model in Presence<br>of Bulk Stress with<br>varying $\Lambda$ -term  | V. D.Elkar,<br>V.G.Mete,<br>A.S.Nimkar   | Mathematics | Pramana  | Sep<br>2016     | DOI 10,<br>1007/s<br>12043-016-<br>1235-5 Vol<br>87. Issu-47<br>Sep-2016 |
| Bianchi Type -V  | V.D.Elkar,                               | Mathematic  | International  | Nov             | Vol.-8   |

|   |                                    |             |   |                 |  |
|---|------------------------------------|-------------|---|-----------------|--|
| Magnetized Cosmological Model with Wet Dark Fluid in General Relativity   | V.G.Mete, K.R.Mule                 | e           | Journal of Current Research   | 2016            | Issue.-11 , pp-41464-41468 Nov-2016          |
| Plane Symmetric Bulk Viscous Cosmological Model with Time Dependent $\Lambda$ -term in General Theory of Relativity | V.D.Elkar, V.G. Mete, P.P. Kadu    | Mathematics | Prespacetime Journal  | Feb 2017        | Vol.-8 No. 2 pp-776-783 Feb -2017            |
| Bianchi Type –IX Magnetized Bulk Viscous string Cosmological Model in General Relativity                            | V.D. Elkar, V.G.Mete, V.S.Deshmukh | Mathematics | Theoretical Physics   | March 2017      | Vol.-2 No. 1 March - 2017,                   |
| Holomorphic Dark Energy cosmological Model in Scalar Tensor Theory of Gravitation                                   | V.D.Elkar, V.G.Mete, P.P.Kadu      | Mathematics | Journal Of New Horizons in Mathematical Physics   | Sep 2017        | Vol.-1 No. 2 Sep-2017,                       |
| Bianchi Type-III Bulk Viscous Fluid cosmological model with variable G& in Seaz-Ballester theory of Gravitation     | V.D.Elkar V.G.Mete, P.P.Kadu       | Mathematics | Presented in 20th International Conference of International Academy of Physical Sciences (CONIAPS XX) | 14-17 July 2017 |  |
| Bianchi Type-VI Cosmological model with interacting holographic Dark energy   | V.D.Elkar, P.P.Kadu                | Mathematics | Presented 105 <sup>th</sup> Indian Science Congress Held at Manipur University Manipur                | March 2018      |  |
| Plane Symmetric Space Time With Cosmological Constant- $\Lambda$ In Seaz-Ballester Theory of Gravitation            | V.D.Elkar                          | Mathematics | Aayushi Independent Interdisciplinary Research Journal  | Jan-2020        | Special Issue No. 66 ISSN-2249-638X Jan-2020 |

|  |           |             |  |          |  |
|--|-----------|-------------|--|----------|--|
| Plane Symmetric Space Time In Sclar Tensor Theory With Wet Dark Fluid and Cosmological Constant                      | V.D.Elkar | Mathematics | Aayushi Independent Interdisciplinary Research Journal | Jan-2020 | Special Issue.No.70<br>ISSN-2249-638X<br>Jan-2020          |
| Homogeneous Bianchi Type-III Bulk Viscous Model In Presents of G and $\Lambda$ In Sclar Tensor Theory of Gravitation | V.D.Elkar | Mathematics | Int. Research Journal of science and Engg.             | Feb-2020 | Special Issue A7<br>189-196<br>ISSN-2322-0015<br>Feb. 2020 |

**18. Position held in various bodies/organizations :**

- a) Life member of The Indian Science Congress Association (ISCA).
- b) Life Member of the Mathematical Association SGB University Amravati..
- c) Life Member of Dr. Panjabrao Deshmukh Urban Co-operative Bank, Amravati.
- d) Life Member of Shri Shivaji Education Employees Credit Society, Daryapur.
- e) Life Member of J. D. P. S. Mahavidyalaya Employees Credit Society, Daryapur.

**19. Seminar organized :** 1) Organized University level Students Seminar Competition on "Algebra".

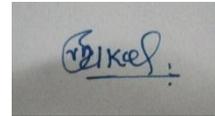
**20. Extracurricular, co-curricular and extension activities :**

- a) Work as Science Faculty Incharge of the college.
- b) Coordinator of MPSC coaching classes.
- c) Member of purchasing committee of the college.
- d) Member of Prospectus Committee.
- e) Coordinator of Timetable Committee.
- f) Engaged Classes of bridge courses.
- g) Worked as the professor representative in college CDC From 2014 to 2019.
- h) Worked as the secretary of Staff Council from August 2014 to February 2019.
- i) Worked as Presiding Officer in Maharashtra Legislative Assembly Election in 2009 and 2014, Parliamentary Election in 2009 and 2014, Grampanchayat Election in 2005, 2010 and 2015, Zila Parishad and Panchayat Samiti Election in 2007 and 2012..

- j) Engaged lectures in Workshop on Basic Mathematics for the students appearing for MPSC Examinations.
- k) Performed Election Duty in Zilla Parishad and Panchayat Samiti General Election February – 2017.

**Declaration:**

I hereby declare that the information furnished above is true to the best of my knowledge and belief.

A rectangular box containing a handwritten signature in blue ink. The signature is stylized and appears to be 'S. K. S.' with a horizontal line underneath.

Signature