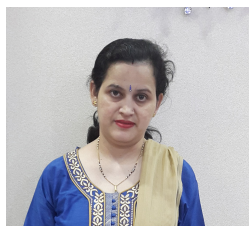


## STAFF PROFILE



### Dr. Seema Tiwari

Assistant Professor

Applied Science & General Engineering

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### Educational Details

Qualification	Degree	University	Grade	Year
Doctrol	Ph.d	RDVV, Jabalpur, MP	Excellent	2005

### Experience Details

Type	Duration	Designation/ Organisation Name	Brief Job Profile
Research	2007-2009	REsearch Associate R&DE(Engrs), DRDO, Pune	Research & Development
Research	2002-2006	Research Fellow Govt Model Science College, Jabalpur, M.P	R & D
Educational	2006-2007	Asst Professor D.N Jain College, Jabalpur, M.P	Teaching
Educational	2010- till now	Asst Professor AIT, Pune	Teaching

### Journal Publications

1. Sujata Marathe, Seema Tiwari, Vitthal Hivrale, Mridula Chandola, Sachin Tanwade, (2018). Size based comparison of colloidal silver nanoparticles as coolants. *International Journal of Scientific Research and Review*. 7(5), 195. ISBN/ ISSN No : ISSN -2279-543x.
2. seema tiwari, (2017). [17. Controlled Release of Gentamycin From a Interpolyelectrolyte Complex Film for Wound Healing Management](https://bioaccent.org/chemistry/chemistry22.pdf) . *BIOACCENT, BAOJ (Chemistry)*. 3(1), 33-44. ISBN/ ISSN No : 000022. URL : <https://bioaccent.org/chemistry/chemistry22.pdf>.
3. Seema tiwari, (2017). [Controlled release of Doxycycline from Gum acacia/poly\(sodium acrylate\) microparticles for oral drug delivery](http://www.sciencedirect.com/science/article/pii/S0141813017312114). *International Journal of Biological Macromolecules*. 104(Part A), 1064-1071. ISBN/ ISSN No : ISSN: 0141-8130. URL : <http://www.sciencedirect.com/science/article/pii/S0141813017312114>.
4. Sujata Marathe, Seema Tiwari, Mridula Chandola, Nikhil Thakur, Ravindra Singh, (2016). Synthesis and characterization of nanocomposites. *International Journal for Scientific Research and Development*. 4 (7), 919. ISBN/ ISSN No : ISSN 2321-0613.
5. Sujata Marathe, Seema Tiwari, Mridula Chandola, Nikhil Thakur, Ravindra Rathore, (2016). Synthesis and Characterization of nanocomposites for drug delivery applications. *IOSR Journal of Polymer and Textile Engineering*. 3(6), 1 - 7. ISBN/ ISSN No : ISSN 2348-019.
6. Seema Tiwari, (2016). [Synthesis ,characterization and antimicrobial applications of zinc oxide nanoparticle loaded gum acacia/poly\(SA\) hydrogels](http://www.sciencedirect.com/science/article/pii/S0144861716308086). *Carbohydrate Polymers*. 153(60), 60-65. ISBN/ ISSN No : 0000. URL : <http://www.sciencedirect.com/science/article/pii/S0144861716308086>.
7. Seema Tiwari, (2016). [16. Synthesis and Characterization of Nanocomposites for Drug Delivery Applications](http://www.iosrjournals.org/iosr-jpte/papers/Vol3-Issue6/A03060107.pdf). *IOSR Journal of Polymer and Textile Engineering (IOSR-JPTE)* . 3(6), 01-07. ISBN/ ISSN No : ISSN:2348-0181 . URL : <http://www.iosrjournals.org/iosr-jpte/papers/Vol3-Issue6/A03060107.pdf>.
8. seema tiwari, (2016). 15. Synthesis and Characterization of Nano Composites. *International Journal for Scientific research & Development* . 04(07), 23-25. ISBN/ ISSN No : 2321.
9. Sujata Marathe, Mridula Chandola, Seema Tiwari, Vitthal Hivrale, (2016). Controllable refractive index of PVA-Ag films. *International Journal of Innovative and emerging research in engineering*. 3(4), 43. ISBN/ ISSN No : ISSN-2394-3343.

10. Sujata Marathe, Seema Tiwari, Sushma Mishra, (2015). Synthesis and Characterization of polymeric beads for drug delivery systems. *S S International Journal of Multidisciplinary Research*. 2(5), 168. ISBN/ ISSN No : ISSN 2395-7964.
11. Seema Tiwari,Sujata Marathe, (2015). 11. Synthesis & characterization of polymeric beads for drug delivery systems. *SS Int. Journal of multidisciplinary research*. 2(5), 49. ISBN/ ISSN No : ISSN 2395-7964.
12. Seema Dubey, (2007). [9. Dynamic release of vitamin B2 from floating Barium Alginate Beads forGastric Delivery](#). *Journal of Macromolecular Science*. 44(9), 1005-1011. ISBN/ ISSN No : 1060-1325. URL : <https://doi.org/10.1080/10601320701424362>.
13. Seema dubey , sk bajpai, (2006). [Flow through diffusion cell \(FTDC\) method : A novel approach to in vitro drug release study](#). *Polymer International* . 55(1), 12-18. ISBN/ ISSN No : -. URL : <https://onlinelibrary.wiley.com/doi/pdf/10.1002/pi.1954>.
14. Seema Dubay,SK Bajpai,Sutanjay Saxena, (2006). 5. A Novel Approach to Study Enzymatic Degradation of Ter - polymeric Beads for Gastrointestinal Drug Delivery:Synthesis and Characterization. *Journal of Bioactive and Compatible Polymers* . 21(3), 237-255. ISBN/ ISSN No : -.
15. seema dubey, SK Bajpai, Sutanjay Saxena, Manjula Bajpai, (2006). Quantitative Interpretation of the Deviation from 'Zero-Order' Kinetics for the Release of Cynocobalamine from a Starch-Based Enzymatically Degradable Hydrogel. *Journal of Macromolecular Science, Part A: Pure and Applied Chemistry* . 14(8), 1273-1277. ISBN/ ISSN No : -.
16. seema dubey, SK Bajpai, (2006). Flow Through Diffusion Cell Method: A Better Approach To Study Drug Release Behavior As Compared To Traditional Dissolution Test Method. *Journal of Macromolecular Science –Pure and Applied Chemistry* . 4(43), 627-636. ISBN/ ISSN No : -.
17. Seema Dubey, SK Bajpai, (2005). 3. In vitro dissolution studies for release of vitamin B12 from poly (N-vinyl- 2-pyrrolidone -co- acrylic acid) hydrogels. *Reactive and Functional Polymers* . 62(1), 93-104. ISBN/ ISSN No : -.
18. Seema Dubey, SK Bajpai, (2004). [Modulation of dynamic release of vitamin B2 from a model pH-sensitive terpolymeric hydrogel system](#). *Polymer International* . 53(12), 2178-2187. ISBN/ ISSN No : -. URL : <https://doi.org/10.1002/pi.1651>.

## Conference Publications

1. seema tiwari,sujata marathe, Mridula Chandola,ravindra rathore, nikhil thakur, sandeep garg, (2014). Synthesis & characterization of Noval Polymeric Nano Materials. *National conference on recent advances in Basic Sciences*,. -(-), -. ISBN/ ISSN No : -.
2. M. Chandola, S. Tiwari, S. Marathe , (2012). ). Synthesis of polyvinyl alcohol - silver nanoparticle - silicahybrid films with controllable refractive index . *National conference on nanotechnology, Communication and Pattern Recognition "NCONCPR*. -(-), -. ISBN/ ISSN No : -.
3. Sujata Marathe, Seema Tiwari, Mridula Chandola, (2011). Sol-Gel Hybrids with controllable refractive index: Preparation and characterization. *National conference on nanotechnology and communication and pattern recognition (NCONCPR – 2012)*. 1(B 29 S), 49. ISBN/ ISSN No : ISBN-978-81-920427-0-1.

## Guest Lecture

1. TEDxAITP (Organized), TED talk, 2018, AIT

## Research Grants

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Role of Investigator
synthesis and characterization of nanocomposites for anticancer drugs	BCUD,SPPU,Pune	01/08/2013	30/10/2015	180000.00	Principal Investigator

## Consultancy

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Investigator Role
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## Professional Memberships

Society	Membership No	Duration
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No of PhD Students Guided : 0

No of PG Students Guided : 0