## **Publication:**

Papers published in journals / presented in Symposia /Conferences:

Books/ Book Chapters: - 01

1. Nidhi Thakur, Sanjay Kuamr, V. K. Patle, "Comparison of Serail and Parallel Searching in Multicore Systems" Proceeding of 3<sup>rd</sup> International Conference on Parallel Distributed and Grid Computing, held at Jaypee University of Information Technology, Solan, Himachal Pradesh. PP-77

**50** 

- 2. Shipra Pradhan, Sanjay Kuamr, V. K. Patle, "Effect of parallelization on conditional summation" Proceeding of 3<sup>rd</sup> International Conference on Parallel Distributed and Grid Computing, held at Jaypee University of Information Technology, Solan, Himachal Pradesh. PP-37
- 3. Ishwar Prasad Sahu, D. P. Bisen, Nameeta Brahme, V.K. Patle, Raunak Tamrakar "Characterization Techniques and Mechanoluminescence Properties of Sr2SiO4: Eu2+ Phosphor by Solid State Reaction Method" Research Journal of Science and Technology (RJST) (An International Peer Reviewed Journal of Science and Technology), Vol.6 Issue 3, [Page No. 147-150] July-September, 2014, Remark: Published by A & V Publication, India. ISSN 0975-4393, 2349-2988(Online).
- 4. V. K. Patle "Spatial Temporal Data Mining in Wireless Sensor Networks" Research Journal of Science and Technology (RJST) (**An International Peer Reviewed Journal of Science and Technology**), Vol.6, Issue 2, [Page No. 87-90] April June , 2014, Remark: Published by A & V Publication, India. ISSN 0975-4393.
- 5. Chanchal Sahu, **Vinod Patle**, Sanjay Kumar, "Analysis of AODV protocol in Wireless Scenario" International Journal of Engineering Research & Technology (2278-0181), Vol. -03, issue 2, February, 2014, Impact Factor 1.76.
- Rinki Kaur, Sanjay Kumar, V. K. Patle "A Parallel Algorithm to Process Harmonic Progression Series Using Open MP" International Journal of Engineering Research & Technology (IJERT) Vol.3, Issue 2, [Page No. 67-72], February 2014, ISSN: 2278-0181.
- 7. New horizon of energy efficiencyin sorting algorithms: green Computing" in Proceeding of National Conference on Recent Trends in Green Computing (NCON -2012) Page No. 112-116, 24-26<sup>th</sup> OCT. 2013, SoS in Computer Science &IT, Pt. Ravishankar Shukla University, Raipur, India.
- 8. Comparative study of MANET Routing protocols for application of Video streaming based on energy saving approaches" in Proceeding of National Conference on Recent Trends in Green Computing (NCON -2012) Page No. 61-65, 24-26<sup>th</sup> OCT. 2013, SoS in Computer Science &IT, Pt. Ravishankar Shukla University, Raipur, India
- 9. "Route optimization by controlling parameters of Ant colony Optimization: a green approach" in Proceeding of National Conference on Recent Trends in Green Computing (NCON -2012) Page No. 135-139, 24-26<sup>th</sup> OCT. 2013, SoS in Computer Science &IT, Pt. Ravishankar Shukla University, Raipur, India

- 10. Green computing: low power Consumption in wireless -Communication By using ultra-Wideband" in Proceeding of National Conference on Recent Trends in Green Computing (NCON -2012) Page No. 121-124, 24-26th OCT. 2013, SoS in Computer Science &IT, Pt. Ravishankar Shukla University, Raipur, India
- 11. Dhampal Ramtake, Sanjay Kumar, **Vinod Kumar Patle**, "Power Consumption of Routing protocol in various Simulators: MANET." Research Journal of Science and Technology (RJST) (**An International Peer Reviewed Journal of Science and Technology**), Vol.5, Issue 3, [Page No. 303-306] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393.
- 12. Rinki Kaur, Sanjay Kumar, V. K. Patle," Analysis of Tunneling Transition Mechanism in IPv6." Research Journal of Science and Technology (RJST) (An International Peer Reviewed Journal of Science and Technology), Vol.5, Issue 3, [Page No. 308-313] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393.
- 13. Kiran, Sanjay Kumar, V. K. Patle, "Effect of Selfish Nodes in Trust Base Route: MANET". Research Journal of Science and Technology (RJST) (An International Peer Reviewed Journal of Science and Technology), Vol.5, Issue 3, [Page No. 327-330] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393.
- 14. Gargi Pandey, Sanjay Kumar, V. K. Patle, "Effect of Pause Time and Network Size in Various Routing Protocol: MANET", Research Journal of Science and Technology (RJST) (An International Peer Reviewed Journal of Science and Technology), Vol.5, Issue 3, [Page No. 335-339] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393.
- 15. V. K. Patle, Aamir Hasan, Sanjay Kumar, "Performance Evaluation of AOMDV, AODV and DSR Reactive Routing Protocols using NS-2". Research Journal of Science and Technology (RJST) (An International Peer Reviewed Journal of Science and Technology), Vol.5, Issue 3, [Page No. 343-346] July-September, 2013, Remark: Published by A & V Publication, India. ISSN 0975-4393.
- 16. Gargi Pandy, Sanjay Kumar & V.K. Patle, (2013)."Comparative study of Ns2 and Opnet Simulator for AODV and DSR Routing Protocol in MANET" International Journal of Engineering Research & Technology (IJERT) Vol.2, Issue 7, [Page No. 2392-2400], July 2013, ISSN: 2278-0181.
- 17. **Dilip Kumar Soni**, V. K. Patle, Sanjay Kumar, "Performance Evaluation of CBR and TCP Traffic Models using AOMDV Routing Protocols in MANET". Research Journal of Engineering and Technology (RJET) (A quarterly peer reviewed International Journal of Engineering and Technology), Vol.4, Issue 1 [Page No. 09-11], January March 2013, Remark: Published by A & V Publication, India. ISSN 0976-2973.
- 18. Anil Kumar Sharma, Surendra Kumar Patel, **V. K. Patle** & Kishor Kumar Jaiswal (**2013**) "Comprehensive study of Tinyos and Contikios for Wireless Sensor Networks", In Proceeding of National Conference on Advanced Trends in Computer and Information Technology, Page No. 123-128, 11-12<sup>th</sup> March 2013, Organized By Department of Computer Science and Applications Sambalpur University, Sambalpur, ISBN 978-93-83060-00-9.

- 19. Surendra Kumar Patel, Anil Kumar Sharma & V. K. Patle (2013) "Review on various approaches for resource discovery in Grid Computing" In Proceeding of National Conference on Advanced Trends in Computer and Information Technology, Page No. 81-86, 11-12<sup>th</sup> March 2013, Organized By Department of Computer Science and Applications Sambalpur University, Sambalpur, ISBN 978-93-83060-00-9.
- 20. A. Hasan, V.K. Patle, Sanjay Kumar." Behavior of Routing Protocol for Voice Communication in MANET" In Proceedings of the 7th National Conference on Computing for Nation Development (INDIACom 2013), Page No. 650-653, 7-8 March. 2013, Organized By: Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India. (Full Paper in Hard Print and Digital Media) ISSN 0973-7529, ISBN 978-93-80544-07-6.
- 21. Dhampal Ramtake, Sanjay Kumar, **Vinod Kumar Patle**, "A Review of grid Scheduling Algorithms to Achieves Effective Task Allocation" Proceedings of National Conference on High Performance Computing & Simulation, Berhampur January, 18-19<sup>th</sup> 2013. ISBN: 978-93-82208-55-6.
- 22. A. Hasan, V.K. Patle, Sanjay Kumar, "Broadcast Based Reactive Routing Protocols in MANET: A Review" **International Journal of Technology (IJT)** (A **Semi-Annualy** peer reviewed International Journal of Engineering and Technology), Vol.2, Issue 2, [Page No. 71-76], July December 2012, ISSN: 2231-3907 (Print); ISSN: 2231-3915(Online).
- 23. Anuradha Sharma ,Sanjay Kumar & V.K. Patle, (2012) ," Study of Dumb Agent of MAC Layer in MANET", Research Journal of Engineering and Technology (RJET) (A quarterly peer reviewed International Journal of Engineering and Technology), Vol.3, Issue 4, [Page No. 249-258], October December 2012, Remark: Published by A & V Publication, India. ISSN 0976-2973
- 24. Vanya Rajput, Sanjay Kumar, V. K. Patle, "Performance Analysis of UMA and NUMA Models" International Journal of Computer Science Engineering and Technology (IJCSET) October 2012 | Vol 2, Issue 10, PP 1457-1458 (ISSN: 2231-0711 (online version))
- 25. Gitanjali Sinha, Sanjay Kumar, **V.K. Patle** "Performance Evaluation and Analysis of Table Driven and On–Demand Routing Protocols for MANETS based on Traffic Models" "Research Journal of Engineering and Technology (RJET) (A quarterly peer reviewed International Journal of Engineering and Technology), Vol.3, Issue 3, [Page No. 232-235], *July-September*, *2012*, Remark: Published by A & V Publication, India. ISSN 0976-2973"
- 26. Khalid Raza, **V. K. Patle** and Sandeep Arya "A Review on Green Computing for Ecofriendly and Sustainable IT" Journal of Computational Intelligence and Electronic Systems, Vol. 1, No.1, **June 2012** pp 3-16, ISSN: 2326-3008 (Print); EISSN: 2326-3024 (Online).
- 27. Renuka Patel, Sanjay Kumar, **Vinod Kumar Patle**, "Motion Detection System Using Frame Differencing Technique" International Journal of Fuzzy System and Rough System (IJFSRS), Vol.5, Issue 2, [Page No. 121-123] January-Jun, 2012, Remark: ISSN 0974-858X.

- 28. A. Hasan, V.K. Patle, Sanjay Kumar, "Energy Saving in Mobile Ad-hoc Networks" in UGC sponsored National Seminar on Enhancing Thinking in the Smart Way Internet Technologies" at Mata Gujri College, Jabalpur (M.P.) on **4-5 January**, **2012**, pp 127-130. (ISBN: 938112296-2).
- 29. Bhavana Narain, Anuradha Sharma, Sanjay Kumar & Vinod Patle, (2011) "Energy Efficient MAC Protocols for Wireless Sensor Network: A Survey" "International Journal of Computer Science Engineering Survey (IJCSES)" Vol.2, No. 3 August 2011, PP 121-131, ISSN: 0976-2760( Online).
- 30. Bhavana Narain, Sanjay Kumar V. K. Patle, & Prem Kumar Chandrakar, (2011), "Study for Data Mining Techniques in classification of Agricultural land soils", "Journal of Advanced Research in Computer Engineering, Vol. 5, No. 1, Jan- Jun 2011, PP35-37, ISSN:0974-4320.
- 31. Swarnima Shrivastav, Sanjay Kumar & V. K. Patle (2011), "Congestion Control Protocols in Unicast, broadcast application: A Survey" "*International Journal of Computer Engineering Vol.3, Number 1*:1–06, January June 2011. Published By International Science Press. ISSN: 975-6116.
- 32. Chandana Patnaik, Sanjay Kumar & V. K. Patle (2011)," Modulation Techniques for WiMAX: A Perspective" Research Journal of Science and Technology (RJST) (A bimonthly peer reviewed International Journal of Science and Technology), Vol.3, [Page No. 95-98] March -April 2011, Remark: Published by A & V Publication, India. ISSN 0975-4393
- 33. **Punita Kartikeyan,** Sanjay Kumar & V.K. Patle, (2011) ," Survey of Routing Protocols in Vehicular AdHoc Network", Research Journal of Engineering and Technology (RJET) (A quarterly peer reviewed International Journal of Engineering and Technology), Vol.2, Issue 2, [Page No. 72-76], April June 2011, Remark: Published by A & V Publication, India. ISSN 0976-2973.
- 34. A. K. Dwivedi, **V. K. Patle** & O. P. Vyas, **(2010)**, "Evaluating Impact of Operating System Architectures on Simulation Results of Routing Mechanisms for Wireless Sensor Networks" In Proceedings of the 4th National Conference on Computing for Nation Development (INDIACom 2010), Page No. 181-184, 25-26 Feb. 2010, Organized By: Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, India. (Full Paper in Hard Print and Digital Media) ISSN 0973-7529, ISBN 978-81-904526-9-4
- 35. Bhavana Narain, V. K. Patle, & Sanjay Kumar, (2010), "Performance Evaluation of Routing Protocol and Congestion Control Protocol in Wireless Multi-hop Networks", "International Journal of Computer Applications 11(1):40–42, December 2010. Published By Foundation of Computer Science. ISSN 0975-8887.. (Impact Factor 0.835). (http://www.ijcaonline.org/archives/volume11/number1/1544-2052)
- 36. A. P. Manu, Ankur Shishodia, **V. K. Patle** & , O. P. Vyas (**2010**)," State of the Art of Cloud Computing and its Research Issues" Research Journal of Science and Technology (RJST) (A bimonthly peer reviewed International Journal of Science and Technology), Vol.2, Issue 6, [Page No. 117-128] Nov-Dec 2010, Remark: Published by A & V Publication, India. ISSN 0975-4393

- 37. **V. K. Patle,** A. K. Dwivedi, & O. P. Vyas , (2010) ," A Stance on Challenges with Current Internet and Approaches for Future Internet" , Research Journal of Engineering and Technology (RJET) (A quarterly peer reviewed International Journal of Engineering and Technology), Vol.1, Issue 1, [Page No. 11-17], January March 2010, Remark: Published by A & V Publication, India. ISSN 0976-2973.
- 38. A. K. Dwivedi, **V. K. Patle**, & O. P. Vyas (**2009**) "Implementation Challenges of IPv6 on Wireless Sensor Networks" Research Journal of Science and Technology (RJST) (A bimonthly peer reviewed International Journal of Science and Technology), Vol.1, Issue 1, [Page No. 16-19], July-August 2009, Remark: Published by A & V Publication, India. ISSN 0975-4393
- 39. **V. K. Patle**, M. K. Tiwari, Meena Agrawal & C.P.Agrawal (2009). Developments of Routing Mechanisms for Mobile Ad-hoc Networks (MANETs), Colloquium on Mobile Communication and Data & Knowledge Engineering" held at S. O. S. in Computer, Science, Pt. RSU, Raipur,
- 40. **V.K. Patle,** R.P. Patel, S.S. Rahangdale, N.L. Patel & B.P. Chandra (2003). Characteristics of the fast electron emission produced during cleavage of crystals, Pramana- Journal of Physics, Vol.No.1, Jan.2003, pp 109-122.
- 41. **Vinod Patle,** S.S. Rahangdale, D.P. Bisen, P. Mor & B.P. Chandra (**2001**). Design of Microprocessor based devices for the measurement of temperature, International Seminar on Advanced Instrumentation, 29-31 Jan 2001 held at Punjab University, Chandigarh
- 42. V. K. Patle, R.P. Patel, S.S. Rahangdale, N.L. Patel & B.P. Chandra (2000). Rapidly decaying fast electron emission produced during fracture of organic and inorganic materials. Indian Journal of Pure & Applied Physics. 38, Nov. 2000.pp 771-778.
- 43. **Vinod Patle,** Pallavi Kerhallcar, P. Mor & B.P. Chandra (**2000**). Computer Interfaced Voltage Transducer, National Symposium on Instrumentation, held at Goa University, Goa from, 2-5 Feb. 2000.
- 44. **Vinod Patle,** S.S. Rahangdale, P. Mor & B.P. Chandra (**2001**). PC Interface with Electrical Application, International Seminar on Advanced Instrumentation, 29-31 Jan 2001 held at Punjab University, Chandigarh.
- 45. **Vinod Patle,** S.S. Rahangdale, B.K. Soni & B.P. Chandra (**2000**). Effect of pre and post irradiation deformation on the thermo luminescence of KCl crystals. Proceeding of the International Symposium on Luminescence and its Application, 7-10 Feb. 2000, held at M.S. University, of Baroda, India.
- **46. Vinod Patle,** S.S. Rahangdale, R.K.Pandey & B.P. Chandra (**2000**). Effect of activator concentration on the photoluminescence of impurity doped CaSO<sub>4</sub> single crystals, Proceeding of the International Symposium on Luminescence and its Application, 7-10 Feb. 2000, held at M.S. University, of Baroda, India.

- 47. **Vinod Patle,** S.S. Rahangdale, P.K. Khare & B.P. Chandra (**2000**). Spectral Characteristic of Fracto Induced Luminescence in Crystals, National Seminar on Recent Trends in Opto electronic Material, 27-29 Feb. 2000, held at Sri Guru Tegh Bahadur Khalsa College, Jabalpur.
- 48. **Vinod Patle,** S.S. Rahangdale, D.P. Bisen & B.P. Chandra (**2000**). Mechanoluminescence A new tool to determine the pressure near the tip of moving cracks, National Seminar on Recent Trends in Opto electronic Material, 27-29 Feb. 2000, held at Sri Guru Tegh Bahadur Khalsa College, Jabalpur.
- 49. **Vinod Patle,** S.S. Rahangdale, V.K. Chandra, P. Mor & B.P. Chandra (**2001**). Phase lock loop control function generator, International Seminar on Advanced Instrumentation, 29-31 Jan 2001 held at Punjab University, Chandigarh.
- 50. **Vinod Patle,** Sunil Sharma, P. Mor & B.P. Chandra (**2000**). Design and Performance of Microprocessor based digital luxmeter using LDR Sensor, National Symposium of Instrumentation, held at Goa University, Goa from , 2-5 Feb. 2000.

## **Books/ Book Chapters**

 A. K. Dwivedi, V.K. Patle, O.P. Vyas, Book Chapter: "Investigation on Effectiveness of Simulation Results for Wireless Sensor Networks", Book: Information Processing and Management, Book Series: Communications in Computer and Information Science (CCIS), Volume: 70, Page No.: 202-208, Publishing Year: 2010, Publisher: Springer-Verlag Berlin Heidelberg, Germany. ISBN 978-3-642-12213-2 (Print) 978-3-642-12214-9 (Online) (http://link.springer.com/chapter/10.1007/978-3-642-12214-9\_34)