

**CURRICULUM VITAE**

*Of*

**Dr Amit R. Nayak**

**(M.Sc, Ph.D)**

***Research Consultant,  
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*Aiming to scale heights in Research & Development in the field of health research*

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## ***Personal Details***

**Name:** Amit Nayak

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**Date of Birth:** 22<sup>nd</sup> Sep 1981

**Nationality:** Indian

### **Address:**

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## ***Academia***

### **↵ Bachelor of Science in Biotechnology**

*From Sindhu Mahavidyalaya, Rashtrasant Tukadoji Maharaj  
Nagpur University Nagpur 2002.*

### **↵ Master of Science in Biochemistry**

*Post graduate Teaching Department of Biochemistry,  
Rashtrasant Tukadoji Maharaj Nagpur University Nagpur, 2005,*

### **↵ Doctor of Philosophy in Biochemistry (PhD Biochemistry)**

*Biochemistry Research Laboratory,  
Central India Institute of Medical Sciences,  
Rashtrasant Tukadoji Maharaj Nagpur University Nagpur, 2012*

### **↵ PhD thesis title: "Identification of Biomarkers and Therapeutic Agents for Acute Ischemic Stroke"**

## *Current Research Areas*

- ✧ Working on Establishment of rat of model for ischemic stroke disease stroke
- ✧ Working on development of cost effective prognostic kit for the Ischemic stroke.
- ✧ Working on evaluation of clot lytic mechanism of Fagonia arabica
- ✧ Screening of latent TB form active TB from areas of high TB endemic zones
- ✧ Evaluating Diagnostic Kits for Latent and active TB infection

## *Professional Appointments*

<b>Sr. No.</b>	<b>Name of post held</b>	<b>Institute</b>	<b>From</b>	<b>To</b>
1.	Technical Assistant	Central India Institute of Medical Sciences , Nagpur	3 <sup>rd</sup> Dec 2005	Feb 2006
2.	Research Assistant	Central India Institute of Medical Sciences , Nagpur	March 2006	May 2009
3.	Junior Research fellow	Central India Institute of Medical Sciences , Nagpur	June 2009	May 2011
4.	Senior Research fellow	Central India Institute of Medical Sciences , Nagpur	June 2011	May 2012
5.	Research Associate	Central India Institute of Medical Sciences , Nagpur	June 2012	Till Date

## *Member of Scientific Societies*

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- ❖ Life member of Society for Neurochemistry India (SNCI)
- ❖ Member of International Brain Research Organisation

## *Publications*

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1. Rajpal S. Kashyap, **Amit R. Nayak**, Aliabbas A. Husain, Seema D. Shekhawat, Ruchika K. Jain, Ashish R. Satav, Dhananjay V. Raje ,Hemant J. Purohit, Girdhar M. Taori and Hatim F. Daginawala. Latent TB infection diagnosis in population exposed to TB subjects in close and poor ventilated high TB endemic zone in India. Accepted for publication in PlosOne Jan2014
2. Ruchika Jain, **Amit Nayak**, Aliabbas Husain, Milind Panchbhai, Nitin Chandak, Hemant Purohit, Girdhar M. Taori, H. Daginawala and Rajpal Singh Kashyap. Mycobacterial dormancy regulon protein Rv2623 as a novel biomarker for the diagnosis of latent and active tuberculous meningitis. Disease Markers, 2013, 35;1–6
3. Rajpal S. Kashyap, **Amit R. Nayak**, Hari M. Gaherwar, Shraddha S. Bhullar, Aliabbas A. Husain, Seema D. Shekhawat, Ruchika K. Jain, Sonali S. Gaikwad, Ashish R. Satav, Hemant J. Purohit, Girdhar M. Taori and Hatim F. Daginawala . Laboratory investigations on the diagnosis of tuberculosis in the malnourished tribal population of Melghat, India. Accepted for publication in PlosOne 9Aug2013

4. Rajpal S. Kashyap, **Amit R. Nayak**, Aliabbas A. Husain, Hari M. Gaherwar, Hemant J. Purohit, Girdhar M. Taori, Hatim F. Daginawala. Tuberculosis in India: The Continuing Challenge. Review Article Accepted for publication in Current Science 26<sup>th</sup> March 2013
5. Aliabbas A. Husain, Hatim F. Daginawala, Dewanand R. Kalorey, **Amit R. Nayak**, Hemant J. Purohit, Girdhar M. Taori, Rajpal S. Kashyap. Proteomic approach to identify surrogate biomarker for evaluation of efficacy after prime boost vaccination. Indian Journal of Applied results 2013, 3: 452-55
6. Kashyap RS, Shekhawat SD, **Nayak AR**, Purohit HJ, Taori GM, Daginawala HF. Diagnosis of tuberculosis infection based on synthetic peptides from Mycobacterium tuberculosis antigen 85 complex. Clin Neurol Neurosurg. 2012 Aug 16. [Epub ahead of print]
7. **Nayak AR**, Kashyap R.S, Kabra D, Purohit H J Taori G.M and Daginawala H.F. Comparative evaluation of the ITIH4 and cytokine response in serum from acute ischemic stroke patients for prognostic implication: A pilot study. Annals of Indian Academy of Neurology, July-September 2012; 15:181-185.
8. **Amit R Nayak** , Rajpal S Kashyap, Dinesh Kabra, Hemant J Purohit, Girdhar M Taori, Hatim F Daginawala. Evaluation of routinely performed hematological and biochemical parameters for prognosis of acute ischemic stroke patients. Neurol Sci (2011) 32:855–860
9. **Nayak AR**, Kashyap R.S, Kabra D, Purohit H J Taori G.M and Daginawala H.F Prognostic significance of ischemia-modified albumin in acute ischemic stroke patients: A preliminary study. Annals of Neurosciences, 2011; 18: 5-7.
10. **Nayak AR**, Kashyap R.S, Kabra D, Purohit H J Taori G.M and Daginawala H.F Prognostic significance of ischemia-modified albumin in acute ischemic stroke patients: A preliminary study. Accepted for publication (Basics and clinical Sciences), 12<sup>th</sup> April 2011
11. **Nayak AR**, Kashyap R.S, Deopujari JY, Purohit H J Taori G.M and Daginawala H.F Evaluation of Neuroprotective effect of *Withania somnifera* against chemical ischemia/reperfusion in PC12 cells. IJIB 2010; 10: 136-141
12. **Nayak AR**, Kashyap R.S, Kabra D, Purohit H J Taori G.M and Daginawala H.F. Evaluation of the inflammatory response in serum from acute ischemic stroke patients. In Inflammation research 2009; 58:687-91.
13. Kashyap R.S, **Nayak AR**, Kabra D, Purohit H J Taori G.M and Daginawala H.F. Inter alpha trypsin inhibitor heavy chain 4 is a novel marker of acute ischemic stroke. In Clinica Chemica Acta 2009; 402:160-3.
14. Kashyap R.S, Deshpande PS, **Nayak AR**, Purohit H.J, Taori G.M and Daginawala H.F. Adenosine deaminase activity in the supernatant of monocytes infected with mycobacterium tuberculosis. IJIB, 2007; 1:61-64.
15. **Nayak AR**, Kashyap R.S, Deshpande PS, Purohit H.J, Taori G.M and Daginawala H.F. Identification of protein(s) in ischemia induced PC12 cells after induction with conditioned media of IMR-32 and U87mg cells. *Advances in Biological Research* 2007; 1: 118-121.
16. RS Kashyap, DP Kabra , **AR Nayak**, RN Mishra, SK Deshpande , PN Karandikar , HJ Purohit , GM Taori , HF Daginawala. Protein electrophoretogram in serum of acute ischemic stroke patients & its correlation with S-100BB, and Neuron specific Enolase level: A pilot study. *Annals of neurosciences* 2006; 13: 36-40.

### *Awards and fellowships*

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1. Travel award to attend APSN symposium 23<sup>rd</sup> to 26<sup>th</sup> June 2008 at Shanghai, China
2. Selected for attending, ISN/APSN/IBRO workshop from 16<sup>th</sup> to 21<sup>st</sup> June 2008 at Shanghai (China)
3. Selected for attending “12th IBRO School of Neuroscience, from 29<sup>th</sup> Dec to 8<sup>th</sup> Jan 2009, at IICB, Kolkata India.

4. Selected for attending, SNCI workshop on "Advance techniques in Neuroscience" from 1-6 January 2011, Dept. of Bitech, University of Hyderabad, India
5. Second prize for poster presentation at UGC sponsored National level seminar on "Recent advances in Medical Microbiology and Immunology" organized by Department of Microbiology, Arts, Commerce, and Science College, Koradi on 18<sup>th</sup> Oct. 2011
6. Best Oral presentation awards at UGC Sponsored National Seminar on National seminar on molecular biology technique concept and applications", Feb 3<sup>rd</sup>, 2013 at Gondia, India
7. Best Oral presentation awards at UGC Sponsored National Seminar on "Exploration of biochemistry for the betterment of human health", 29 th Jan, 2014 at Pulgaon Maharashtra India, India

### ***National/International Conference***

1. "Biotak -2 "Stem cell technology" Organized by Hislop College Nagpur (2003)  
Symposium on "Drug Design & Bioinformatics" Organized by PGTD of Biochemistry (2003)
2. Symposium on "Recent Advances in cancer research" Organized by PGTD of Biochemistry (2005)  
24<sup>th</sup> Annual Conference of Indian Academy of Neurosciences on International updates on Basic and Clinical Neurosciences, Lucknow, India 2006
3. 25<sup>th</sup> Annual Conference of Indian Academy of Neurosciences on International symposium on Advances in Neurosciences, Banaras, India 2007
4. "National conference on Current trend in Biochemistry" Organized by PGTD of Biochemistry, Nagpur, India (2007)
5. "International conference on Toxic Exposure related Biomarkers" Organized by National Environmental Engineering Research Institute, Nagpur, India (Jan2008)
6. "International conference Neruopeptide" Organized by Pharmacy Department, Nagpur, University Nagpur, India (Jan2008)
7. Symposium on "Advances in Cerebrovascular Disease" Organized by Central India Institute of medical Sciences, Nagpur, India. (22<sup>nd</sup> August 2008)
8. APSN symposium 23<sup>rd</sup> to 26<sup>th</sup> June 2008 in shanghai
9. UGC Sponsored, State level symposium on "Current trends in Cellular Communication" 26<sup>th</sup> - 27<sup>th</sup> September 2008, Organized by Hislop College Nagpur
10. 78TH Annual Meeting of Society for Biological chemist India, Pune India Dec 2009
11. 27<sup>th</sup> Annual Conference of Indian Academy of Neurosciences on International symposium on Recent Advances in Neurosciences, Jaipur India, 2009
12. International Symposium on "Omics Approach to Microbes" 17<sup>th</sup> -18<sup>th</sup> Feb 2011; Organized by EGU Unite, NEERI, Nagpur
13. 25th Annual Meeting for Society for neurochemistry, India (SNCI) On "Metabolic signaling in Brain in health and disease" From 7-9 January 2011, Dept. of Bitech, University of Hyderabad, India 2011
14. NeuroUpdate, Kolkata 2011, August 13-14 2011
15. UGC sponsored National level seminar on "Recent advances in Medical Microbiology and Immunology" organized by Department of Microbiology, Arts, Commerce, and Science College, Koradi on 18<sup>th</sup> Oct. 2011
16. XXX Annual Meeting of Indian Academy of Neurosciences, October 27<sup>th</sup> - 30<sup>th</sup>, 2012, at Amritsar, India
17. UGC Sponsored National Seminar on National seminar on molecular biology technique concept and applications", Feb 3<sup>rd</sup>, 2013 at Gondia, India
18. UGC Sponsored National Seminar on "Exploration of biochemistry for the betterment of human health", 29 th Jan, 2014 at Pulgaon Maharashtra India, India

## ***Workshops attended***

1. Attended 5 Day workshop on "Advance techniques in Neuroscience" from 1-6 January 2011, Dept. of Bitech, University of Hyderabad, India
2. Attended the "12th IBRO School of Neuroscience, from 29<sup>th</sup> Dec to 8<sup>th</sup> Jan 2009, at IICB, Kolkata India.
3. Attended ISN/APSN/IBRO workshop from 16<sup>th</sup> to 21<sup>st</sup> June 2008 in shanghai (china)
4. On job training in "techniques in biochemistry". 2001, in Central India Institute of Medical Sciences (CIIMS) Nagpur
5. "Molecular Biology & plant tissue culture technique" 2002, in Central India Institute for Cotton Research (CICR) Nagpur