

BIO DATA OF DR. ABHAY BANG

- 1) **Name** : Dr. Abhay Bang
- 2) **Date of Birth** : 23rd September 1950
- 3) **Address** : SEARCH, PO & DIST : Gadchiroli, (Maharashtra) 442 605, INDIA
Phone : 91-7138-255407 Fax : 91-7138-255411 E-mail : search.gad@gmail.com
- 4) **Current Position** : Director, SEARCH (Society for Education, Action and Research in Community Health)
- 5) **Educational Qualifications** :

M.B.B.S. (1972) Nagpur University, India

M.D. (Medicine) (1977) Nagpur University, India

M.P.H. (1984) Johns Hopkins University, U.S.A.

- 6) **Academic Achievements** :

First Position in University, M.B.B.S. and M.D.

Three Gold Medals in M.B.B.S.

First in All India Competition for M.D. Selection at Postgraduate Institute, Chandigarh (1974)

M.P.H. at the School of Public Health, Johns Hopkins University, Baltimore (1984) with 3.96/4 (99%) grade point average.

- 7) **Work** :

Dr. Abhay Bang grew up in the Sevagram Ashram of Mahatma Gandhi. He was inspired by the social ideals, and trained in India (MD) and at the Johns Hopkins School of Public Health, (MPH). He was a top notcher in the University and won 3 Gold Medals. Along with his wife Dr. Rani Bang, he founded the voluntary organization, SEARCH, (Society for Education, Action and Research in Community Health) 17 years ago in one of the most underdeveloped districts, Gadchiroli, in the state of Maharashtra in India, where they have been working with the people in 150 villages to provide community-based health care and conduct research. They have developed village health care program which has now become a nationally and internationally famous model. It has influenced the health policy in India and globally at least thrice. They first brought to the notice of the world that rural women had a large hidden burden of gynecological diseases. They showed how the pneumonia in children can be managed in villages, and recently, how newborn care can be delivered in villages. Their work has reduced the IMR to 30 in this area.

The Home-based Newborn Care approach developed by him has been replicated in several countries and has now become a national program of the Govt. of India. 800,000 CHWs are being trained for providing it. He has led the designing of the training and training of national and state trainers in India.

They have established the famous community health care and research center 'Shodhagram' in the tribal area.

They also studied the problem of hidden child mortality in Maharashtra and subsequently launched a programme – Ankur – to reduce child mortality in the State.

They have led a campaign against alcohol which led to introduction of prohibition in Gadchiroli district, and influenced the State policy.

He has written 2 books of which *ek khalish gh x* is extremely popular in Maharashtra. It has received the State literary award.

Both of them are members of the National Commission on Population, Govt. of India, and several national and international committees.

Recently both of them were honoured with the highest honour of the state government 'Maharashtra Bhushan'.

The TIME magazine selected them as the 'Global Health Heros' (2005)

The major research includes

1. The first ever community-based estimate of the magnitude of gynaecological problems in rural women (1989) which paved the way for the international policy shift to women's reproductive health.
2. Developing surveillance system to record births and deaths, and determine causes of death in children.
3. Field trial of ARI control by using VHWs and TBAs (1998-90)
4. Developing a simple device – Breath Counter, to enable illiterate TBAs diagnose pneumonia in children. (1990)
5. Participatory action-research against alcohol leading to a mass movement and change in the government policy. (1988-93)
6. Studies on reproductive health problems in males (1992-95).
7. Studies on burden of health problems in home-cared neonates (1995-96).
8. A five year field trial of home-based neonatal care to reduce neonatal mortality (1993-98).
9. Two year longitudinal multisite study of child mortality in Maharashtra (1998-2000).
10. Multisite replication of Home-based Newborn Care (2001-2006)
11. Prevalence of tobacco consumption and household expenditure in Gadchiroli (2009-10)
12. Community-based estimation of the burden of back pain and pain in musculo-skeletal system (2009-10)
13. Field trial of Home-based maternal care (2008-11)

8) Awards and Honors :

1. **Sanjeevani Sanman**, from Sahyadri Doodarshan, Mumbai (2014)
2. **2012 Distinguished Alumnus Award** Department of International Health, Johns Hopkins Bloomberg, School of Public Health, Baltimore, USA (2013)

3. **The Society of Scholars** elected from The Johns Hopkins University, U S A (2013)
4. **Babasaheb Ambedkar Daleet Mitra Puraskar** (2013)
5. **Dr. Narendra Dhabholkar Smruti Award**, Satara (2013)
6. **Manawata Puraskar**, Sooryodaya Trust Indore, (2013)
7. **Dr. Mokshagundam vishweshwaraiya Puraskar** from Sub Ordinate Engineers Association, Gadchiroli (2013)
8. **Baba Amte Manavata Puraskar** from Vidyarthi Sahayyak Samiti, Warora (2013)
9. **'Prerana Poonj Sanman'** from Vichar Veethee, Vidarbha Hindi Sahitya Sanmelan, Nagpur (2012)
10. **'Pulotsava'** Gratitude Award, Pune (2012)
11. D.B. Ratnappanna Kumbhar **'Samaj Bhushan'** Award, Jaisingpur (2012)
12. **'Abhijeetdada Kadam Humanitarian' Award** from Abhijeet Dada Kadam Memorial Foundation, Pune (2012)
13. **'Professional Excellence Award'** behalf of the Academy of Medical Sciences, Nagpur (2012)
14. **'Anna Hazare Samaj Ratna'** Puraskar, Adarsha Mahavidyalaya and Pragati Vidhyalaya, Badlapur Dist : Thane (2011)
15. **CNN-IBN Life time achievement** Award from Reliance Foundation (2011)
16. **Swastha Bharat Sanman**, from Zee News and LIC, New Delhi (2011)
17. **'Jaitai Matru Gaurav'** Puraskar, Shri Jaitai Temple Committee, Wani (2011)
18. **'Jeevan Sadhana' Award**, from Nagpur University Nagpur (2011)
19. **'Vocational Excellence' Award** of Rotary Club Dist. 3030 at Nagpur (2011)
20. **'Swami Rama Humanitarian' Award** from Himalayan Institute Hospital Trust, Dehra Dun (2010)
21. **'Dory Storms' Child Survival Recognition Award** from CORE Group Washington (2010).
22. **'Jewel of Maharashtra' Award from State DNL Summit 2010 in association with** Zee 24 Tass & Govt. of Maharashtra, Mumbai (2010)
23. **Freedom-fighter Dada Undalkar Social Award** from Dada Undalkar Smarak Samitee, Undale Ta. Karad Dist Pune (2010)
24. **'Samajik Gaurav Puraskar'** from U R L Foundation, Mumbai (2010)
25. **'Jeevan Gaurav'** Puraskar from Haware Foundation, Mumbai (2010)
26. **'Bapu'** Award from Gandhi National Memorial Society, Pune (2009)
27. Save the Children, US award for global contribution to saving newborns and children.(2004)

28. **MacArthur Foundation International Award** for creative and social work. (2006)
29. '**Maharashtra Bhushan Puraskar**', The highest honour from the Govt. of Maharashtra (2003)
30. In 2005, selected as a **Global Health Hero** by the **TIME magazine**, USA.
31. Qimpro Award of Qimpro Platinum Standard national Statesman for Quality – Health Care from Qimpro Foundation, Mumbai (2008)
32. Marotrao Dhule Smruti Puraskar, Newase (2008)
33. '**Prerana Puraskar**' Late Bhausahab Dhamankar, Shantiwan (2009)
34. '**National Character Award**' from Charitrya Pratisthan, Pune (2009)
35. 'Maitri Puraskar' from Maitri Pariwar Sanstha, Nagpur (2007)
36. '**Spirit of Mastek Award**' for exemplary work that has helped reduce child deaths at Gadchiroli, from Mastek Limited, Mumbai, (Dec. 2005)
37. '**Anandmai Puraskar**' from Late Deenanath Mangeshkar Pratisthan, Mumbai, (2005)
38. '**Navratna Puraskar**' from Doordarshan Sahyadri Channel, Mumbai (2005)
39. 'Pariwartanwadi' Award, Dr. Shivram Mali Public Act, Kolhapur (2007)
40. '**Alert Citizen**' Award from Citizen Forum Maharashtra, Nagpur (2006)
41. '**Bhai Ghanaiya**' Award from Red Swastik Society, Mumbai (2005)
42. **Devi Ahilyabai Holkar Puraskar** from Shri Ahilyotsava Samittee, Indore, (2004)
43. **Dr. Sheshadri Gold medal** and Prize of the Indian Council of Medical Research for outstanding contribution to community medicine in India (1996)
44. **Dr. James Tong award** of the Voluntary health Association of India to SEARCH for being the outstanding voluntary institution in India. (1999)
45. **Mahatma Gandhi Award** (1994)
46. State Award as "**Adivasi Sevak**" by the Government of Maharashtra for health care and research in tribal area (1987)
47. **Satpal Mittal Award for Population** – by the Indian Association of Parliamentarians, New Delhi. (2002)
48. **The State Award for De-addiction** – Government of Maharashtra. (2001)
49. **Diwaliben Mehta Award**, Mumbai, 7th January 2004
50. '**Lokshikshak**' Puraskar Late Pandurang Apte Guruji Smarak Trust (2004)
51. '**Prabhat Puraskar**', for social work, Late V. Shantaram trust (2003)
52. **Rajiv Gandhi Award**, Mumbai (2003)
53. **The State award for literary writing** on science – the Marathi book on "My Enlightening Heart Disease". Nov. 2001.

54. **Yashwantrao Chavan Pratisthan Award** for the year 2000 for the outstanding contribution to rural development in Maharashtra.
55. **Vivekanand Manava Sewa Award**, Pune, (2002)
56. **Ramshastri Prabhune Puraskar** for social justice – Satara, (2002)
57. **Sant Bal Award** for humanitarian service, Ahmedabad 2000
58. **Sahitya Samrat** Na. Chi. Kelkar Literary award. (2000)
59. **Shri Anant Bhalerao** Pratisthan (Augangabad) Puraskar, (2000)
60. **Late. Vinaykumar Parashar Smruti Purskar**, Akola (2001)
61. **Natu Foundation Award**, (1996)
62. Selected as **'The couple of the year 1996'** for the annual issue of the national magazine 'The Week'. (1996)

9) Important Committee Positions (Present and past)

1. Chairman, Expert Committee on Tribal Health, Ministry of Health & FW Govt. of India (2013)
2. Member, Audit Advisory Board, CAG, Govt. of India.
3. Member, Advisory Council of the Indian Instt. of Public Health Bhubaneshwar (2012 -)
4. Member, High Level Expert Group on Universal Health Coverage in India. The Planning Commission, Govt. of India (2010-12)
5. Member, Mission Steering Group, National Rural Health Mission, Ministry of Health and F W, Govt. of India (2008-2014)
6. Member, High Level Committee on Balanced Regional, Development, Govt of Maharashtra (2011-13)
7. Member, National ASHA Mentoring Group, Ministry of health & FW, Govt. of India (2007-)
8. Member, Committee on Alcohol and its control in Chandrapur, Govt. of Maharashtra (2011-12)
9. Chairman, Advisory Group on Training of ASHA in Home-based Newborn care, Ministry of Health & FW, Govt. of India (2005)
10. Member, the High Level Committee under the chairmanship of the Chief Secretary, Govt of Mah. (2005 till date)
11. Member, Tribal Advisory Council, Govt of Maharashtra (1996 – till date)
12. Chairman, Child Death Evaluation Committee, Government of Maharashtra. (Dec. 2003 – March 2005)
13. Member, The National Commission on Population, Govt. of India (2000-2005)

14. Member, 'National Commission on Macroeconomics and Health', Govt. of India. (2004)
15. Member, Governing Board, National Population Stabilisation Fund, India. (2003-2006)
16. Member, Steering Committee, Tropical Disease Research, World Health Organisation, Geneva. (2002-2004)
17. Member, Advisory Board, Saving Newborn Lives Initiative Save the Children, USA (2002 -05).
18. Member, Project Review Committee, ICMR research project on young infant, (2003-2011)
19. Member, Scientist Advisory Board, Indian Council of Medical Research, New Delhi. (1998-2000)
20. Member, Committee on 'Improving Birth Outcome in Developing Countries' constituted by the Global Board on Health, National Academy of Science, U.S.A. (2000-2002.)
21. Member, National Expert Group on Health for planning the 10th National Five Year Plan, Govt. of India (2001-2002)

10) Experience :

A) Public Health

- 1) Director, SEARCH, working in remote and tribal district, Gadchiroli, 1985 onward, conducting epidemiologic and operation research in primary health care, providing health care to 1,00,000 rural and tribal population, Training of health workers: Mass education and mass action on issues such as alcoholism and alcohol policy, deforestation, tribal development.
- 2) Areas of research - Child mortality in rural areas
 - Acute Respiratory Infections in children.
 - Neonatal health care in rural areas.
 - Sexually Transmitted Diseases
 - Tribal health
 - Women's reproductive health
 - Alcohol and alcoholism
 - Tobacco
 - Backache
 - Maternal Health

- 3) Initiated and led public movement against alcohol in Gadchiroli district since 1988, which finally has spread to entire Maharashtra.
- 4) Established a de-addiction centre for alcohol addicts in Gadchiroli district.
- 5) Chief executive (2 years) and Founder member of voluntary Organisation 'Chetana – Vikas'. Worked for rural development and community health for 6 years (1977-83), including issues of rural employment, minimum wages to rural labourers based on nutrition requirements.
- 6) Member of Scientific Advisory Board and Scientific Advisory Committee of Indian Council of medical Research.
- 7) Member expert committee on 'Reorganisation of primary health Centres and Rural Hospitals', Govt. of Maharashtra 1994.
- 8) Consultant to WHO and Govt. of India on Programme for control of Acute Respiratory Infections in Children.
- 9) Member, Expert Committee on health Care and Water Supply, Department of Science and Technology, Govt. of India, 1987.
- 10) Conducted sample survey of Sickle Cell Disease in Gadchiroli district, 1987.
- 11) Coordinated study of Lathyrism in Rewa district, 1979.
- 12) Member of team which evaluated the Family Planning Programme in Uttar Pradesh for the Govt. of India. (1985)
- 13) Worked for relief and research in population involved in Bhopal gas exposure. (1984)
- 14) Member, Steering Committee on Research on Tropical Diseases, WHO, Geneva.

B) Clinical Experience

- 1) Consulting physician SEARCH and Civil Hospital Gadchiroli, 1986 to 2011.
- 2) Hon. Consulting physician, Civil Hospital, Wardha, 1979-1983.
- 3) Registrar, Dept. of Medicine, Medical College, Nagpur, 1976-77.
- 4) Residency in Medicine (1 year) and Pediatrics (1/2 year) (1974-76)

11) Other Involvements

- 1) Convener, Maharashtra Rajya Darumukti Sampark Samiti 1994.
- 2) Founder member of Medico Friend Circle, an all India Organisation of socially conscious doctors and health persons, 1974 onwards.
- 3) Editor, Medico-Friend Circle Bulletin, 1978-1980

- 4) Founder Member and Trustee, ACHAN (Asian Community Health Action Network), 1980 onwards
- 5) Trustee, LOCOST – an experiment in good quality essential drugs supply at low cost.
- 6) Involved in various social movements in relation to Forest and Environmental conservation, tribal development, movement against liquor, land distribution and Sarvodaya movement, Minimum wages and employment for landless labourers in Maharashtra, Youth for social change.

12) Publications.

1. Barriers to Malaria Control among Marginalized Tribal Communities : A Qualitative Study : Radhika Sundararajan, Yogeshwar Kalkonde, Charuta Ghale, P. Gregg Greenough, Abhay Bang : **PLoS One**; Dec 2013
2. Tobacco Vs Development, Private Spending on Tobacco in Gadchiroli, District : Santosh Sawalkar, Mahesh Deshmukh, Yoeshwar Kalkonde, Dharav Shah, Abhay Bang : **Economics Political Weekly**; Feb 2012
3. Setting implementation research priorities to reduce preterm births and stillbirths at community level : Asha George, Mark Young, Abhay Bang, Kit Yee Chan, Igor Rudan, Cesar G. Victora, Mickey Chopra, Craig Rubens and the GAPPS expert group on community based strategies and constraints* : **Plos Medicine** 2010.
4. Neonatal resuscitation in low-resource settings: What, who, and how to overcome challenges to scale up ? : **International Journal of Gynecology & Obstetrics** : October 2009; Vol. 107 Supplementary 1: pp S47-S64.
5. 60 million non-facility births: Who can deliver in community settings to reduce intrapartum-related deaths ? **International Journal of Gynecology & Obstetrics** : October 2009; Vol. 107 Supplementary 1: pp S89-S112.
6. Simple Clinical Criteria to Identify Sepsis or Pneumonia in Neonates in the Community Needing Treatment or Referral : **The Pediatric Infectious Disease Journal** : April 2005; Vol. 24; No. 4 : pp. 335-341.
7. Background of the Field Trial of Home-based Neonatal Care in Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S3-S10
8. Methods and the Baseline Situation in the Field Trial of Home-Based Neonatal Care in Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S11-S17.

9. The Incidence of Morbidities in a Cohort of Neonates in Rural Gadchiroli, India : Seasonal and Temporal Variation and a Hypothesis About Prevention : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S18-S28.
10. Why Do Neonates Die in Rural Gadchiroli, India ? (Part I) : Primary Causes of Death Assigned by Neonatologist Based on Prospectively Observed Records : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S29-S34.
11. Why Do Neonates Die in Rural Gadchiroli, India? (Part II) : Estimating Population Attributable Risks and Contribution of Multiple Morbidities for Identifying a Strategy to Prevent Deaths : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S35-S43.
12. How to Identify Neonates at Risk of Death in Rural India : Clinical Criteria for the Risk Approach : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S44-S50.
13. Reduced Incidence of Neonatal Morbidities : Effect of Home-based Neonatal Care in Rural Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S51-S61.
14. Is Home-Based Diagnosis and Treatment of Neonatal Sepsis Feasible and Effective ? Seven Years of Intervention in the Gadchiroli Field Trial (1996 to 2003) : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S62-S71.
15. Low Birth Weight and Preterm Neonates : Can they be Managed at Home by Mother and a Trained Village Health Worker ? : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S72-S81.
16. Management of Birth Asphyxia in Home Deliveries in Rural Gadchiroli : The Effect of Two Types of Birth Attendants and of Resuscitating with Mouth-to Mouth, Tube-Mask or Bag-Mask : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S82-S91.
17. Neonatal and Infant Mortality in the Ten Years (1993 to 2003) of the Gadchiroli Field Trial : Effect of home-Based Neonatal Care : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S92-S107.
18. Home-Based Neonatal Care : Summary and Applications of the Field Trial in Rural Gadchiroli, India (1993 to 2003) : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S108-S122.
19. Maternal morbidity during labour and the puerperium in rural homes and the need for medical attention : A prospective observational study in Gadchiroli, India : **British J of OB & GY** : March 2004, Vol. 111, pp. 231-238

20. The Gadchiroli study of gynaecological diseases : **Reproductive Tract Infections and other Gynaecological Disorders**. Edited by Shireen Jejeebhoy, Michael Koenig and Christopher Elias. Publisher : Cambridge University Press, UK. (2003)
21. Child Mortality in Maharashtra, **Economic and Political Weekly**, (2002), Vol. 37, No.49 : 4947-65.
22. Burden of Morbidities and the Unmet Need for Health Care in Rural Neonates – A Prospective Observational Study in Gadchiroli, India, **Indian Pediatrics** Vol 38 : (2001) : 952-965.
23. Effect of home-based neonatal care and management of sepsis on neonatal mortality : field trial in rural India, **The Lancet** Vol. 354 : (1999) : 1955-61.
24. A Community Study of Gynecological Disease in Indian Villages : Some Experiences and Reflections, in '**Learning About Sexuality : Practical Beginning**'. The Population Council and International Women's Health Coalition, New York. (1996) 223-237
25. The happenings Within Me in '**Health for Millions**' – June '1996.
26. Rural women and reproductive tract infections. **Aids Action**. (1995) 26 : 11
27. Community education on action against alcoholism. **Health Action** (1995) 11: 8.
28. Management of childhood pneumonia by Traditional Birth Attendants, **Bulletin of World Health Organisation**, 1994, 72(6), 897-905.
29. Perceptions of rural women on white discharge. In '**Listening to Women Talk About their Health Issues, an Evidence From India**' Ford Foundation. (1994)
30. CHW Training : Search for new Solutions. **ARI News**, (1993) 26 : 4
31. Pneumonia in neonates : can it be managed in the community ? **Archives of Disease in Childhood** 1993 ; 68 : 550-556
32. Towards better oral dehydration, **The Lancet**, Editorial Commentary, 25th September 1993. pp 755-756.
33. Government or People ? : Experiences of Research and Health Care in Gadchiroli: **People's Health in People's Hands : The Foundation For Research community Health**, Editor N.H. Antia, Kavita Bhatia. July 1993. pp 189-208.
34. Diagnosis of causes of childhood deaths in developing countries by verbal autopsy : suggested criteria, **Bulletin of World Health Organization**, 70 (4) : 499-507 (1992).
35. India : Action against sale of alcohol : **The Lancet** Vol. 340 : Sept 19, 1992.
36. Vitamin A and Childhood Mortality The New 'Magic Pill', **Economic and Political Weekly**, September 21, 1991: pp 2187-2189
37. Community Participation in research and action against alcoholism. **World Health Forum** (1991), 12 : 104-109.

38. Breath Counter for diagnosis of childhood pneumonia. **The Lancet** (1991) 338;116.
39. Masking the readers May Ensure Objective Judgement About Clinical Trials. **Journal of Controlled Clinical Trials**, 1991; Vol.12 : pp 553-555
40. Reduction in pneumonia mortality and total childhood mortality by means of community based interventions trial in Gadchiroli, India **The Lancet** (1990) 336 : 201-06.
41. Against Liquor – Gadchiroli and Gorbachev. **Medico Friend Circle Bulletin**, (1990) 167 : 1-8
42. Community Based Approach to Reproductive Health Care : **International Journal of Gynecol. Obstet.** 1989 suppl. 3:125-129.
43. High Prevalence of Gynaecological Diseases in Rural Indian Women, **The Lancet** (1989) Vol. 333 No. 8629, pp 85-88.
44. WCH Rather than MCH – **The Lancet**, Nov. 11, 1989, pp 1158
45. Need for a Tribal Health Plan : **Health for Millions**, August 1989.
46. Participatory Action Research Leads to People's Movement : **Health Action**, July 1989.
47. Acute respiratory Infection and Child Survival : Problem and the Possibilities : **Health Action**, July 1988.
48. Why Women Hide Them ? Rural women's Viewpoints on Reproduction Tract Infections. : **Manushi.** (1989)
49. Community Participation in Family Planning Programme in Uttar Pradesh : **Economic and Political Weekly**, August 9, 1986.
50. Voluntary Health Programmes Should Not Try to Become Economically Self Sufficient : **World Health Forum** 1986, Vol. 7.
51. Editor : "Health Care : Which Way to Go?" **Medico Friend Circle**, 1983.
52. Other Side of Health Education : **Medico Friend Circle Bulletin**, 1982 : 72.
53. People's Participation and Economic Self Reliance in Community Health : **Medico Friend Circle Bulletin**, 1981 : 64.
54. Food Requirements as a Basis for Minimum Wages, **Medico Friend Circle Bulletin**, 1981 : 72.
55. 35. Minimum Wages for Agricultural Labour, **Economic and Political Weekly**, 1981, Vol. XIV, No. 35.
56. Learning from Savar Project : **Medico Feiend Circle Bulletin**, 1980 : 58
57. Clinical Assessment of Prazosin in Essential Hypertension, **Journal of Assn. Of Physicians of India**, 1979, Vol. 27, NO.3.
58. Relevance of Present System of Health Care in India : in "In Search of Diagnosis," MFC, 1977.

Books

- 1) '**Maza Sakshatkari Hridayrog**' (My enlightening heart disease) (199). 16th edition (2012). An award winning monogram.
- 2) Hriday-rog se Mukti (Hindi) Rajkamal Publ. New Delhi 2012.
- 3) Training of CHWs in Home-based Newborn Care SEARCH, Gadchiroli (2005)
- 4) Training Manual for Training of ASHAs in Home-based Newborn Care Vol 1,2,3, SEARCH (2009)
- 5) Hidden Child Mortality in Maharashtra (2005) Ministry of Health and FW Govt. of India.
- 6) '**Kowali Pangal**' (Sheding of tender leaves) Report of a 13 side study on the hidden child mortality in the Maharashtra state. (1999)
- 7) **Balmrityu Mulyamapan Samiti** : Pratham Ahwal (First Report of the State Government Committee to Evaluate Child Mortality in Maharashtra, under the chairmanship of Dr. Abhay Bang) August 2004.
- 8) **Balmrityu Mulyamapan Samiti** : Dwiteeya Ahwal (Second Report of the State Government Committee to Evaluate Child Mortality in Maharashtra, under the chairmanship of Dr. Abhay Bang) March 2005.
- 9) **Sevagram to Shodhgram (2006)** – Marathi, Hindi, English, Gujrati, Tamil.
- 10) **Health care : which way to Go ?** (Ed.) Medico Friend Circle (1983)

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BIO DATA OF DR. RANI BANG

- 1) **Name** : Dr. (Mrs) Rani Bang
- 2) **Address** : SEARCH, PO & DIST : Gadchiroli, (Maharashtra) 442 605, INDIA
Phone : 91-7138-255407 Fax : 91-7138-255411 E-mail : search.gad@gmail.com
- 3) **Date of Birth** : 17th September, 1951
- 4) **Current position** : Co-Director SEARCH
- 5) **Educational Qualification** : - M.B.B.S. (1992) Nagpur University, India
- M.D. (OB-GY) 1976 Nagpur University, India
- M.P.H. (1984) Johns Hopkins University, U.S.A.
- 6) **Academic Achievements** : - First position in University in M.D.
- First in OB-GY in M.B.B.S. in University.
- Gold Medal in M.D.
- First in All India Rotary Fellowship Competition, 1977

Other honors / awards

1. **Sanjeevani Sanman**, from Sahyadri Doodarshan, Mumbai (2014)
2. President of the 2nd National De-addiction literature conference at Nagpur on 2nd Oct 2013. Organized by the Govt. of Maharashtra
3. **Dr. Narendra Dhabholkar Smruti Award**, Satara (2013)
4. '**Late Leelatai Limaye Samaj Seva Puraskar**' from Vaneeta Samaj, Mumbai (2013)
5. **Excellence Award** from State Bank of India (2013)
6. **Dr. Mokshagundam vishweshwaraiya Puraskar** from Sub Ordinate Engineers Association, Gadchiroli 2013)
7. **2012 Distinguished Alumnus Award** Department of International Health, Johns Hopkins Bloomberg, School of Public Health, Baltimore, USA (2013)
8. **Society of Scholars** elected from The Johns Hopkins University, U S A (2013)
9. Babasaheb Ambedkar **Daleet Mitra** Puraskar (2013)
10. The **Dr. B. N. Purandare Outstanding Services Award** from the Dr. B. N. Purandare Memorial Mumbai (2013)
11. **Karmayogini Bhavneek Ekatmata Puraskar**, Navbharat Shikshan Mandal, Sangli (2013)
12. '**Prerana Poonj Sanman**' from Vichar Veethee, Vidarbha Hindi Sahitya Sanmelaan, Nagpur (2012)
13. Conferment of Honorary **Degree of Doctor of Letters** (D.Litt.) from SNTD Women University, Mumbai (2012)
14. '**Pulotsava**' Gratitude Award, Pune (2012)

15. '**Abhijeetdada Kadam Humanitarian**' Award from Abhijeet Dada Katam Memorial Foundation, Pune (2012)
16. CNN-IBN Life time achievement Award from Reliance Foundation (2011)
17. Swastha Bharat Sanman, from Zee News and LIC, New Delhi (2011)
18. '**Jaitai Matru Gaurav**' Puraskar, Shri Jaitai Temple Committee, Wani (2011)
19. '**Jeevan Sadhana**' Award, from Nagpur University Nagpur (2011)
20. '**Savitribai Fule**' Award from Nanded Zilla Parishad, Nanded (2011)
21. '**Vocational Excellence**' Award of Rotary Club Dist. 3030 at Nagpur (2011)
22. '**Vocational Excellence Award** of Rotary Club of Pune (2011)
23. '**Swami Rama Humanitarian**' Award from Himalayan Institute Hospital Trust, Dehra Dun (2010)
24. '**Dory Storms**' Child Survival Recognition Award from CORE Group Washington (2010).
25. '**Jewel of Maharashtra**' Award from State DNL Summit 2010 in association with Zee 24 Tass & Govt. of Maharashtra, Mumbai (2010)
26. '**Freedom-fighter Dada Undalkar Social Award** from Dada Undalkar Smarak Samitee, Undale Ta. Karad Dist Pune (2010)
27. '**Jeevan Gaurav**' Puraskar from Haware Foundation, Mumbai (2010)
28. '**Samajik Gaurav Puraskar**' from U R L Foundation, Mumbai (2010)
29. '**Chandrapur Bhushan**' Award from Baba Saheb Deshmukh Smruti Pratisthan, Chandrapur (2009)
30. '**Baa**' Award from Gandhi National Memorial Society, Pune (2009)
31. National Award for Women's Development through Application of Science and Technology for the year 2007. Presented by Smt. Pratibhatai Patil, Hon'ble President of Indias. (2008)
32. '**Stree Shakti Puraskar, 2005** from Ministry of Women & Child Development Govt. of India. (2008)
33. '**MacArthur Foundation International Award** to SEARCH for creative and social work. (2006)
34. '**Jamanalal Bajaj Award** from Jamanalal Bajaj Foundation, Mumbai (2006)
35. '**Maharashtra Bhushan**', the highest honour from the Govt. of Maharashtra State (2003).
36. In 2005, selected as a **Global Health Hero** by the Time magazine, USA.
37. The **Sheshadri Gold Medal** of Indian Council of Medical Research to SEARCH for outstanding contribution to the field of community medicine in India. (1996).

38. Qimpro Award of Qimpro Platinum Standard national Statesman for Quality – Health Care from Qimpro Foundation, Mumbai (2008)
39. '**National Character Award**' from Charitrya Pratisthan, Pune (2009)
40. '**Rajai Award**' by Rajai Pratishthan Nanded (2009)
41. '**Maitri Puraskar**' from Maitri Pariwar Sanstha, Nagpur (2007)
42. '**Navratna Puraskar**' from Doordarshan Sahyadri Channel, Mumbai (2005)
43. '**Spirit of Mastek Award**' for exemplary work that has helped reduce child deaths at Gadchiroli, from Mastek Limited, Mumbai, (Dec. 2005)
44. '**Pariwartanwadi**' Award, Dr. Shivram Mali Public Act, Kolhapur (2007)
45. '**Jeevan Gourav**' Puraskar from Parkar Medical Foundation, Ratnagiri (2004)
46. '**Tararani Bhadrakali**' Puraskar, from Tararani Bhadrakali Vidhyapeeth, Kolhapur (2004)
47. '**Sat Paul Mittal Award** on Population – by the Indian Association of Parliamentarians, New Delhi. (2002)
48. '**Dr. James Tong award** on the Voluntary health Association of India to SEARCH for being the outstanding voluntary institution in India. (1999)
49. '**Diwaliben Mohanlal Mehta Award**, Mumbai, (2004)
50. '**Mauli Anandi Puraskar**' from Sadguru Vishwanath Maharaj Rukalika Trust, Kolhapur (2004)
51. '**Savitri Bai Phule Puraskar** from the Govt. of Maharashtra. (2000), for the work among women.
52. '**Literary Award**, of the Govt. of Maharashtra (2000) for the book 'Goeen' .
53. '**Yashwantrao Chavan Pratisthan Award** for the year 2000 for the outstanding contribution to rural development in Maharashtra.
54. '**Kasturba Gandhi Puraskar**. (1999)
55. '**Sane Guruji Puraskar**. (1999)
56. Late. '**Vinaykumar Parashar Smruti Puraskar**, Akola (2001)
57. Late '**Kamalatai Jamkar, Darpan Puraskar**, 2001
58. '**Jankibai Apte, Balikshram, Puraskar**, Ahamednagar (2002)
59. '**Ramshastri Prabhune Puraskar** for social justice – Satara, (2002)
60. '**Shram Seva Puraskar**' from Yashwantrao Chavan Maharashtra Open University, Nashik (2003)
61. '**Samajwadi Mahila Sanghatan Puraskar**. (1998)
62. '**Natu Foundation Puraskar**' for contribution to social work in Maharashtra, January '1996.
63. Late Shrimati '**Vimaltai Tidke Puraskar**. (1999)

64. '**Shamrao Babu Kapgate Smruti Puraskar**' for outstanding female social worker in 1995.
65. Maniklal Gandhi Charitable trust award for outstanding Woman Social Worker of Vidarbha 1991.
66. **Adi-Shakti Jeevan Gaurav Puraskar** (2002) Mahalakshmi Trust, Pune.
67. Selected as '**The couple of the year 1996**' for the annual issue of the national magazine 'The Week'.

7) Experience

A) A Public Health

1. Co-Director, SEARCH, 1985 onward, conduction epidemiologic and operational research in primary health care, providing health care to 50,000 rural and tribal population, training of health workers and mass education.
2. The Community based study of gynaecological problem in rural area is the first study in the world focusing on women's health beyond maternity care. This study initiated the programme of women's reproductive health all over the world specifically in developing countries.
3. Area of research - Women's reproductive health
 - Sexually Transmitted Disease and AIDs control.
 - Adolescent sexual health
 - Child mortality in rural areas
 - Tribal health
 - Alcohol and alcoholism.
3. Member, National Commission on Population, Govt. of India 2000
4. Member of Vidarbha Development Board. Appointed by Governor of Maharashtra.
5. Nagpur University Senate Member,
6. Panelist speaker in Technical Discussion on Women and Health in World Health Assembly 1992.
7. Member, Expert Committee on high dose EP combination, I.C.M.R., New Delhi.
8. Member – Scientific Advisory Group of I.C.M.R.
9. Member, Task force on health, National Commission on Women Govt. of India 1987.
10. Member Planning Commission's task force on Panchyat Raj in Health.
11. Member, Expert Committee on Norplant, I.C.M.R. New Delhi.
12. Consultant on Women's health matters to WHO, UNFPA, USAID, Population Council and various national and international organisations.
13. Worked for relief and research in population involved in Bhopal gas exposure.

14. Member WHO Review Committee on Measuring Reproductive Morbidity.
15. Member of WHO review committee on Antifertility vaccines.
16. Member of WHO's human Reproductive division's task force on dialogue between Scientists and women's health advocates.
17. Consultant to Foundation for Research in Community health on research into women's health.
18. Member of the Governing body of IIMR (Indian Institute of Health Management and Research).
19. Member of Governing body, Voluntary Health Association of India (year 1989)
20. Initiated and led public movement against alcohol in Gadchiroli district since 1988, which finally has spread to entire district.
21. Founder Member and full time worker of Voluntary Organisation Chetna-Vikas. Worked for rural development and community health for 6 years (1977-83).
22. One of the principal speaker in Tietze symposium in Rio-de-Janero, Brazil in 1990.
23. Served as a Consultant to INCLIN (International clinical epidemiology network) for Reproductive health.
24. Member of IWHAM i.e. International Women's health Advocates on Microbicides.
25. 10th Five year plan Maharashtra Health and Nutrition Committee Member.
26. Was nominated for Nobel Peace Prize in 2003 as a member of 1000 women world wide for peace prize.

B) **Clinical Experience :**

- 1) Working as consulting Gynaecologist SEARCH. 1986 onwards
- 2) Honorary Consulting Gynaecologist, Civil Hospital Wardha 1979-1983.
- 3) Consulting Gynaecologist Civil Hospital Gadchiroli, 1986 to 1990.
- 4) Lecturer, Dept. of OB-GY. Medical College, Nagpur (1975-76) and OB-GY Sevagram, 1977-78.
- 5) Registrar, Dept. of OB-GY, Medical College, Nagpur (1974-75)
- 6) Residency in Medicine (½ year) and OB-GY (1 year) (1973)

8) **Publications**

1. Simple Clinical Criteria to Identify Sepsis or Pneumonia in Neonates in the Community Needing Treatment or Referral : **The Pediatric Infectious Disease Journal** : April 2005;Vol. 24; No. 4 : pp. 335-341.

2. Background of the Field Trial of Home-based Neonatal Care in Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S3-S10
3. Methods and the Baseline Situation in the Field Trial of Home-Based Neonatal Care in Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S11-S17.
4. The Incidence of Morbidities in a Cohort of Neonates in Rural Gadchiroli, India : Seasonal and Temporal Variation and a Hypothesis About Prevention : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S18-S28.
5. Why Do Neonates Die in Rural Gadchiroli, India? (Part II) : Estimating Population Attributable Risks and Contribution of Multiple Morbidities for Identifying a Strategy to Prevent Deaths : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S35-S43.
6. Reduced Incidence of Neonatal Morbidities : Effect of Home-based Neonatal Care in Rural Gadchiroli, India : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S51-S61.
7. Is Home-Based Diagnosis and Treatment of Neonatal Sepsis Feasible and Effective ? Seven Years of Intervention in the Gadchiroli Field Trial (1996 to 2003) : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S62-S71.
8. Low Birth Weight and Preterm Neonates : Can they be Managed at Home by Mother and a Trained Village Health Worker ? : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S72-S81.
9. Management of Birth Asphyxia in Home Deliveries in Rural Gadchiroli : The Effect of Two Types of Birth Attendants and of Resuscitating with Mouth-to Mouth, Tube-Mask or Bag-Mask : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S82-S91.
10. Neonatal and Infant Mortality in the Ten Years (1993 to 2003) of the Gadchiroli Field Trial : Effect of home-Based Neonatal Care : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S92-S107.
11. Home-Based Neonatal Care : Summary and Applications of the Field Trial in Rural Gadchiroli, India (1993 to 2003) : **Supplement to Journal of Perinatology**, Vol : 25: Supplementary 1; March 2005 : pp S108-S122.
12. Maternal morbidity during labour and the puerperium in rural homes and the need for medical attention : A prospective observational study in Gadchiroli, India : **British J of OB & GY** : March 2004, Vol. 111, pp. 231-238.

13. The Gadchiroli Study of gynaecological diseases : **Reproductive Tract Infections and other Gynaecological Disorders**; Edited by Shireen Jejeebhoy, Michael Koenig and Christopher Elias. . Publisher : Cambridge University Press, UK. (2003)
14. Child Mortality in Maharashtra, **Economic and Political Weekly**, (2002), Vol. 37, No.49 : 4947-65.
15. Burden of Morbidities and the Unmet Need for Health Care in Rural Neonates – A Prospective Observational Study in Gadchiroli, India, **India Pediatrics** Vol 38 : (2001) : 952-965.
16. Effect of home-based neonatal care and management of sepsis on neonatal mortality : field trial in rural India, **The Lancet** Vol. 354 : (1999) : 1955-61.
17. A Community Study of Gynecological Disease in Indian Villages : Some Experiences and Reflections in '**Learning About Sexuality : A Practical Beginning**'. The Population Council and International Women's Health Coalition, New York (1996) : 223-237.
18. Rural women and reproductive tract infections. **Aids Action**. (1995) 26 :11.
19. Community education on action against alcoholism. **Health Action**. (1995) 11:8.
20. Management of childhood pneumonia by Traditional Birth Attendants, WHO bulletin, **Bulletin of World Health Organisation**, 1994, 72(6), 897-907.
21. Perceptions of rural women on white discharge in '**Listening to Women Talk About their Health Issues an Evidence From India**' Ford Foundation. 1994.
22. Pneumonia in neonates : can it be managed in the community ? **Archives of Disease in Childhood** 1993 ; 68: 550-556.
23. Government or People ? : Experiences of Research and Health Care in Gadchiroli : **People's health in People's Hands The Foundation for Research Community Health**;. Editor Dr. N.H. Antia, Kavita Bhatia. July 1993; pp 189-208.
24. India : Action against sale of alcohol : **The Lancet** Vol. 340 : Sept 19, 1992.
25. Diagnosis of causes of childhood deaths in developing countries by verbal autopsy : suggested criteria. **Bulletin of the World health Organization**, 70 (4) : 499-507 (1992).
26. Community participation in research and action against alcoholism. **World Health Forum** (1991), 12 :104 – 109.
27. Breath Counter for diagnosis of childhood pneumonia. **The Lancet** (1991) 338 ; 116.
28. Reduction in pneumonia mortality and total childhood mortality by means of community based interventions trial in Gadchiroli, India. **The Lancet** (1990) 336 : 201-06.
29. Against Liquor – Gadchiroli and Gorbachev. **Medico Friend Circle Bulletin**, (1990) 167 : 1-8.

30. Community Based Approach to Reproductive health Care : **International Journal of Gynecol. Obstet.** 1989 suppl. 3 : 125-129.
31. High Prevalence of Gynaecological Diseases in Rural Indian Women, **The Lancet** (1989) Vol. 333 No. 8629, pp 85-88 .
32. WCH Rather than MCH – **The Lancet**, Nov. 11, 1989.
33. Need for a Tribal Health Plan : **Health for Millions**, August 1989.
34. Participatory Action Research Leads to People’s Movement : **Health Action**, July (1989).
35. Why Women Hide Them Rural Women’s Viewpoints on Reproductive Tract Infection : **MANUSHI** (1989).
36. Voluntary Health Programmes Should Not Try to Become Economically Self Sufficient : **World Health Forum** (1986) Vol.7.
37. Other Side of Health Education : **Medico Friend Circle Bulletin**, (1982) : 72.
38. Epidemic of gynaecological diseases in women exposed to MIC gas Bhopal – (1995).
39. Nurses : The cursed Nightingales, **MFC Bulletin** (1981).

Books :

1. Two books published by **Granthali** Publishers Bombay. (1999) One book ‘**Kanosa**’ is about the perceptions of rural women and men regarding various issues of Reproductive health, and the other book ‘**Goin**’ (Goin means friend in tribal Gond language) describes the relationship of tribal women with various trees in Gadchiroli district.
2. One monogram “**Putting women First**” published in 2010 by Bhatkal and Sen through Stree Publishers. It describes in detail the different aspects of Women’s Reproductive Health and policy recommendations for improving women’s health.

