

CURRICULUM VITAE

Proposed position in the assignment: Senior expert for water and sewerage

1. Family name: BABAC
2. First name: Pavle
3. Date of Birth: 02.07.1965
4. Nationality: Serbian
5. Civil Status: Married
6. Education:

Date	Degrees and Institution
1984-1991	University of Belgrade, Faculty of Civil engineering, B.Sc. degree
1991-1998	University of Nis, Faculty of Civil engineering, M.Sc. degree with the thesis "Mathematical modelling of sanitary sewerage system of the smaller settlements"
2004	University of Nis, Faculty of Civil engineering, PhD. degree with the thesis "Hydrodynamic and hydrochemical characteristics of the aquifers in the intergranular porous rocks in constant conditions of the exploitation"

7. Language skills (Mark 1 to 5 for competence, 5 being the highest)

Language	Reading	Speaking	Writing
Serbian (mother tongue)	5	5	5
English	4	4	4
Russian	4	4	4

8. Membership of professional bodies:

Serbian Engineers Chamber, Montenegro engineers chamber

9. Other skills: (e.g. Computer literacy, etc.) Computer literacy (Windows, MS Office, AutoCAD 2000, EPANET, SWMM, HEC-RAS, BALBYKAN, SLAB, SCIPUFF, 3D - Groundwater Modeling with PMWIN, system for modeling groundwater flow and pollution, 3D finite - difference ground water flow model, ASM - groundwater model)
10. Present position: General Manager of "Balby international"
11. Years within the firm: 25,
12. Key Qualifications:

- experienced project manager that lead over 900 successfully implemented projects;
- has made more then 900 designs, case studies of municipal water supply, sewerage, water and waste water treatment plants, waste disposal area and environment protection design;
- has lecturing experience gathered at Forestry Faculty at Belgrade;
- high organizational and comunicational abilitiles;
- software designing skills (patent on BALBYKAN software)
- poses driver license for motorcycles, car and lorry
- poses sailor license (amateur skipper for 15 m vessel and professional OS category)
- air glider student

13. Specific experience in the region:

Country	Date from - Date to	Project
Srbija	2014	Technical control "revision" on the detail design of the waste disposal sanitation and remediation "Elixir" Prahovo
Srbija	2014	Technical control "revision" on the detail design of the waste disposal sanitation and remediation "Srpska fabrika stakla" Paraćin
Srbija	2013	Report of ground water resource for water supply in Bogatić
Srbija	2012	Technical control "revision" on the detail design of the waste water treatment plant "Rubin" Kruševac
Srbija	2012	Conceptual design of Photo voltaic plant in Dimitrovgrad
Serbia	2011	Technical control "revision" on the detail design of the waste water treatment plant "Swisslion" Vršac
Serbia	2011	Report of ground water resource for water supply in municipality Bačka Palanka
Serbia	2011	Design of sanitary protection area of ground water resource for water supply of Bogatić
Serbia	2010	Detail design of new pipe line in settlement Štrpce
Serbia	2009	Design for the building in the street Hauptstrasse 26 Bad Nauheim
Serbia	2009	Detail design of the main pipeline Ø200 from the settlement Malo Crniće - Batuš - Kalište to the settlement Crljenac
Serbia	2009	Conceptual design for the communal sewage and waste water treatment plant in the community Bašaid
Serbia	2009	Conceptual design for the communal sewage and waste water treatment plant in the community Banatska Topola
Serbia	2009	Conceptual design for the communal sewage and waste water treatment plant in the community Rusko selo
Serbia	2008	Final phase of the expertise for the making of a general plan in the settlement Bačka Palanka in the year 2008, with exactly defined zones of sanitary protection of the old and new groundwater resource "Ristića put", "Ristića put-east" and "Ristića put-west"
Serbia	2008	Mathematical - model for the general solution of the pipeline project for the water supply of the settlements in municipal region of Mali Zvornik
Serbia	2008	Detail design of the hydrotechnics facilities for the airport "Kikinda"
Serbia	2008	Detail design of the service facilities for the airport "Kikinda"
Serbia	2008	Detail design of the runway for the airport "Kikinda"
Serbia	2007	Technical documentation "Environment estimation impact study" object NIS Petrol, Jugopetrol, Installation "Aeroservis" in Surčin Book 1. I Analysis about danger of chemical accident Book 2. II Measures of prevention, readiness and responses on accident Book 3. III Resolving measures of impact consequences
Serbia	2007	Preliminary analysis 1. General hydrotechnical design of water treatment from the spring "[umica" - Kikinda - nanofiltration treatment concept 2. General hydrotechnical design of water treatment from the spring "[umica" - Kikinda - usage of the standard technology treatment concept
Serbia	2007	General design for the reservoir and pumping station Paštrić - Mionica
Serbia	2007	Conceptual design of sewerage for the park-forest Zvezdara area
Serbia	2006	Variation solution for water treatment plant in Kikinda
Serbia	2006	Summary of the detail design of the main sewer through Bogatić for the section from 0+000 km to 1+894.5 whose construction is foresaw in the year 2006, Municipality Bogatić, Project manager and leading designer
Serbia	2005	Hydrological modelling, balance and solution of the location "Stevančeva bara" - area organization of the old lake, Public Utility Company "6. OKTOBAR" from Kikinda, Project manager
Serbia	2005	Detail design of the pumping station and valve house within the new facilities for sanitary and technical correct water supplying of Kikinda, Public Utility Company "6. OKTOBAR" from Kikinda, Project manager and responsible design engineer
Serbia	2005	Specification report about rounding the terrain and facilities for the purpose of project realization "Water supplying and canalizing area - peak Kopaonik, Municipality Kopaonik, Project manager
Monte Negro	2005	Intake and drain pipe line for connecting the reservoir on location "Podličak - Kamenolom", US AID – CMD (USA), Project manager and responsible design engineer
Serbia	2005	Detail design for the reservoir 2 x 5000 m3 as a part of the water supplying

		system in Kikinda, Public Utility Company "6. OKTOBAR" from Kikinda, Project manager and responsible design engineer
Monte Negro	2005	Project BW1 - Detail design for the new reservoir in Budva V=2500 m ³ , location "Kamenolom" (Book 3: Alternated construction design at the request of the investor), US AID – CMD (USA), Project manager and responsible design engineer
Serbia	2005	Expertise on the possibilities of water supplying the settlements in the community Bačka Palanka from one or more location, Public Utility Company "KOMUNALPROJEKT" from Backa Palanka, Project manager and responsible design engineer
Serbia	2005	Technical review of the project - Rationalization of water consumption, Municipality of Kikinda, Project manager and responsible design engineer
Serbia	2005	Expertise on the possibility of building a plant for bottling water on the territory of Municipality of Ljubovija, Municipality of Ljubovija, Project manager and responsible design engineer
Serbia	2005	Detail design of reconstruction and construction for parts of water piping system for settlement Mokrin, Public Utility Company "6. OKTOBAR" from Kikinda, Project manager and responsible design engineer
Monte Negro	2005	Project BW1 location "Kamenolom" - Detail design for the new reservoir in Budva V=2500 m ³ (Book 1: Soil mechanics elaborate, Book 2: Hydroconstruction part, Book 3: Construction design, Book 4: Electric installation design), US AID – CMD (USA), Project manager
Serbia	2005	Technical review of Detail design for regulation of the river Lim in Prijepolje, Public Utility Company "SRBIJAVODE", Project manager and responsible design engineer
Serbia	2005	Conceptual design with pre-feasibility of the waste water treatment plant for the town of Bačka Palanka capacity of 2 x 50 000 equivalent residents, Public Utility Company "KOMUNALPROJEKT" from Bačka Palanka, Project manager and responsible design engineer
Serbia	2005	Conceptual design of sewerage in settlement Glašinci, Municipality Žitorađa, Project manager and responsible design engineer
Serbia	2005	General design of sewerage in settlement Glašinci, Municipality of Žitorađa, Project manager and responsible design engineer
Monte Negro	2005	Project BW1 - Conceptual design for the new reservoir in Budva V=2500 m ³ , USAID – CDM (USA), Project manager and responsible design engineer
Monte Negro	2005	Project BW1 - Detail design for the new reservoir in Budva V=2500 m ³ , Project manager and responsible design engineer
Serbia	2005	Conceptual design of the pumping station "Bogatić", Municipality "BOGATIĆ", Project manager and responsible design engineer
Serbia	2005	Detail design of the pumping station "Bogatić", Municipality "BOGATIĆ", Project manager and responsible design engineer
Monte Negro	2005	Project BW1 - measuring and analyses hydraulic parameters and diagnosis of the primary components for water supply system in Budva, USAID – CDM (USA), Project manager
Serbia	2004	Technical control - review of technical documentation for spa Vrujci, Spa VRUJCI, Project manager and responsible design engineer
Serbia	2004	General design for typical waste water treatment plant for a settlement capacity of 50 000 equivalent residents, Public Utility Company "BEOGRADSKI VODOVOD", Project manager and responsible design engineer
Serbia	2003	Detail design for new water reservoir V=500 m ³ in Preševo and link to existing water supply
Serbia	2003	General design for sewerage for Lapovo
Serbia	2003	General design sewage water refinement plant settlement Bačka Palanka
Serbia	2002	Technical solution of the protection zone of sanitary for attack underground water on the location "SUVI DO" and echo- safeguard
Serbia	2002	Technical solution safe river Ibar on the part "GAZIVODE" to underground water source "SUVI DO" on Kosovska Mitrovica
Serbia	2002	Detail design for sewerage in settlement Gračanica
Serbia	2001	Technical solution of improvement water supplying settlement group of Kosovska Mitrovica and community Zvečan
Serbia	2001	Technical solution for sewerage of settlement Zubin Potok and suburbs Ješa and Pridvorica, primary and second sewerage and structures on net and define attributes of future waste water treatment plant in locality of settlement Ugljare
Serbia	2001	Technical documents of urgent solution for water supplying for Preševo
Serbia	2000	Feasibility study for constructing the mini hydro power plant on the territory of the Štrpce municipality
Serbia	2000	Detail design of the regulation of the Miljoštica river

Serbia	1999	Water resources, water-supply of the settlements in the Štrpce municipality
Serbia	1998	Ecological status of the Prizrenska Bistrica VOLUME 1: Part 1: Bases, analysis VOLUME 2: Part 2: Register of pollutants Part 3: Suggestion for particular measures of protection of the Prizrenska Bistrica river from the pollution
Serbia	1998	Detailed design of the secondary net, pumping station and pressure pipeline of the sewerage system of the Bogatić settlement
Serbia	1997	Detail design of the waste disposal "Muradem" in Prizren VOLUME 1: Technology - mechanical part, remediation VOLUME 2: Construction part
Serbia	1997	Investigation and designing works of solving the problems of the Leskovac water supply 3rd Phase: Combined use of surface and ground waters for water supply of Leskovac, respecting the economical aspect
Serbia	1996	Investigation and designing works of solving the problems of the Leskovac water supply 2nd Phase: Protection of the ground waters, register of pollutants, conditions of the work of the ground water source as a reserve source - Part 1 - Quality of ground and surface waters Part 2 - Characteristics of the waste waters of potential pollutants of the ground water source in Leskovac Part 3 - Elements of the technical solution of the treatment of the waste waters of the potential pollutants Leskovac
Serbia	1996	Renewed construction of the ground water intake on the bank of Prizrenska Bistrica and detail design of the pumping station VOLUME 1: Renewed construction of the ground water intake VOLUME 2: Detail design of the pumping station "Car Dušan 2" Part 1: Construction and hydro - mechanical part
Serbia	1995	SEWERAGE SYSTEM OF NOVA PAZOVA VOLUME 1: Conceptual - technical solution VOLUME 2: Detail design - Part 1: Text VOLUME 2: Detail design - Part 2: Enclosures
Serbia	1995	Detail design of the carp fish pond
Serbia	1995	Detail design of the carp and trout fish pond
Serbia	1995	Expert's analysis of feasibility of connection of the "MALI ZVEČAN" settlement to the water pipeline network
Serbia	1995	Detail analysis of the influence on the environment of the waste disposal "GRMOVA" in Kosovska Mitrovica
Serbia	1995	Detail design of the constructions and technical measures for the normal performance of the ground water source of Bačka Palanka, capacity 125 l/s Part 1: Solution for providing missing quantities of water Part 2: Detail design of the tank Part 3: Technical solution of constructions and objects
Serbia	1995	Revitalisation of the ground water source "BRZAN" Kragujevac
Serbia	1995	Long term water supply of the Suva Reka settlement VOLUME 1: Conceptual design VOLUME 2: Detail design - Constructions, Part 1: text VOLUME 2, Part 2: graphics (enclosures: maps and pumping stations) VOLUME 2, Part 3: graphics (enclosures: wells, pipelines and tank)
Serbia	1994	Detail design of the water intake of the Poslište spring, within the regional water supply of Prizren and Suva Reka Part 1/1: Detail design of the water intake, filtration plant and pumping station of the Poslište spring
Serbia	1994	Water supply of the "Balkanbelt" plant and Suva Reka settlement - urgent solution
Serbia	1993	Detail design of the water intake on the location 40 wells near power plant in Prizren
Serbia	1993	Report on the review of "Additional constructions on the objects of the pre-treatment "Jezero" - Makiš"
Serbia	1993	Final report on the review of "Additional constructions on the objects of the pre-treatment "Jezero" - Makiš with certificates"
Serbia	1992	Final report: on revision of the detail design of reconstruction of the water treatment plant "Mediana" - Niš
Serbia	1992	Final report: on revision of the detail design of the water treatment plant "Gorina" on the reservoir "Barje" her Leskovac
Serbia	1992	Design of the hydrogeological investigations on the "Crvenka" sector (left bank of Danube) for the collector well of the "PREUSSAG" type
Serbia	1992	Detail design of the waste water treatment plant for the settlements in the Kikinda municipality

		VOLUME 1: Type (5000 and 2500)
Serbia	1992	Detail design of the municipal waste disposal "GRMOVA" in Kosovska Mitrovica VOLUME 1: Results of the investigations VOLUME 2: VOLUME 2: Technical solution: Part 2: Approach road Technical solution: Part 1: Technical solution for the waste disposal area
Serbia	1991	Conceptual design of structures in the system for using the [ara mountain water supply of Prizren and surrounding settlements VOLUME 1: Purification plant Radeša, Brodosavce, Biluša and Poslište VOLUME 2 : The intake of the "Poslište" spring VOLUME 3: Pipelines
Serbia	1991	Design of sanitary protection of structures in the water treatment system in Prizren
Serbia	1991	Pre - investment program for water supply, sewerage and rainwater drainage networks of Kikinda municipality - Volume 1 Pre - investment program of water supply - Volume 2 Pre - investment program of sewerage and rainwater drainage networks - Volume 3 Technical and economical parameters
Serbia	1991	Feasibility study for water supply, sewerage and rainwater drainage networks of the town Kikinda and surrounding settlements - Volume 3: Technical and economical parameters
Serbia	1990	Report on technical review of construction works of the water treatment system in the town of Prizren
Serbia	1990	Final report on technical review and technical approval of construction works of the water treatment system in the town of Prizren

14. Professional experience: xx

Date from – Date to	Location	Company	Position	Description
2001-ongoing	Serbia	Balby international	General Manager	Engineering consulting and construction company
1990-2001	Serbia	Balby international	Project designer	Engineering consulting and construction company
1997-1999	Belgrade, Serbia	Faculty of Forestry	Assistant	Lecturing hydraulics and hydrology

15. Other relevant information (e.g. Publications)

Publications: (in Serbian language)

- TREATMENT OF MUNICIPAL WASTE WATERS - Editor: Prof. Dr Dusan Babac civ. eng. Authors: Mr. Pavle Babac civ. eng., Miroslav Milovanovich tehnol. eng., Mr. Dusan M. Babac geol. eng., Zorica Pavlovich civ. eng., Dr. Aleksandar Babac medical doctor - Balby international - Beograd 1999.
- MODERN APPROACH IN DETERMINATION OF THE PROTECTION AREAS OF THE TYPICAL GROUND WATER RESOURCES IN THE REPUBLIC OF SERBIA - Prof. Dr Dusan Babac civ. eng. , Prof. Dr. Srbobran Djordjevich medical doctor, Tatjana Ratkovic civ. eng., Mr. Pavle Babac civ. eng., Mr. Dusan M. Babac geol. eng., Miroslav Milovanovich tehnol. eng., Milos Garic civ. eng., Dr. Aleksandar Babac medical doctor - Balby international - Beograd 1999.
- PROTECTION OF THE GROUND WATER RESOURCES WITH CONSIDERATION OF PRESERVING QUANTITY OF EXPLOITATION - Prof. Dr Dusan Babac civ. eng., Mr. Pavle Babac civ. eng., Prof. Dr. Srbobran Djordjevich medical doctor, Mr. Dusan M. Babac geol. eng., Miroslav Milovanovich tehnol. eng., - Balby international - Beograd 2000.
- published 15 scientific papers in the fields of water supply, sewerage, waste water treatment and waste disposal area
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Certification:

I, the undersigned, certify that to the best of my knowledge, these data correctly describe me, my qualifications and my experience.

Dr. Pavle D. Babac, civ. eng.

Name of expert

Signature

Date

2. 09. 2015.

Prof. Dr. Dusan P. Babac, civ. eng.

Name of authorised representative
of the firm referred to in para 2 above

Signature

2. 09. 2015.

Date